



| **Creative communities** | People inventing sustainable ways of living | **Edited by**

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Doors of Perception



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“Creative Communities. People inventing sustainable ways of living” is the first of two books resulting from the programme of activities EMUDE (Emerging User Demands for Sustainable Solutions), funded by the European Commission, the aim of which was to explore the potential of social innovation as a driver for technological and production innovation, in view of sustainability.

To this end it seeks to shed more light on cases where individuals and communities use existing resources in an original way to bring about system innovation. It then pinpoints the demand for products, services and solutions that such cases and communities express, and drafts lines that could lead to improved efficiency, accessibility and diffusion.

This first book focuses on the presentation of some of these cases and their providers: the creative communities.

The second book focuses on the possibility of these communities, supported by different enabling systems, becoming the drivers of new welfare and a new model of local development.



Emude was promoted and developed by a Consortium of European universities and research centres. In order to identify promising cases, it set up a network of observers, known as Antennas, encompassing teams of researchers and students from 8 European design schools: who acted as researchers and disseminators of Emude findings both inside and outside their own institutions.

Consortium

Politecnico di Milano, INDACO Department – co-ordinator
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 Netherlands Organisation for Applied Scientific Research, TNO
 Strategic Design Scenarios, SDS
 Doors of Perception
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 Eindhoven University of Technology, Department of Industrial Design, The Netherlands
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The Power of Individuals Working Together



Scientific data, common sense and intuition have told us for long that more needs to be done in order to achieve sustainable consumption and production patterns. Governments, business, researchers and civil society are taking action. While they are making their plans, running their projects and discussing the results achieved, they all know that they need to do better. The call of the street and the call of the World Summit on Sustainable Development, held in Johannesburg in 2002, are being heard in the board and meeting rooms. Sustainable solutions are slowly making their way up to enter mainstream decision making processes of business, governments and individuals.

Everybody has the power to act. Kofi Annan once said “Sustainable consumption is about the power of individuals”. The choices of everyone determine consumption patterns, production patterns, the degradation of natural resources, pollution and social progress. The sum total of trillions of individual choices in millions of life cycles of products and services is what we are talking about when reflecting on sustainable development.

People are surely doing their bit. Many want to make a difference, be it only by buying organic apples or fair trade coffee in the supermarket. People join waste recycling and energy saving schemes. Others take to the street or organize mass gatherings in an effort to wake up society.

Some individuals are starting to explore new systems to work and live together. They organize their own lives differently. They act. They show by doing that there are other ways to live a good life without at the same time threatening nature, other people or their own inner peace.

These people have been the object of investigation of the EMUDE project. Their projects have been collected in this book in the form of easily accessible and highly inspiring “case studies”. It gives us - global policy makers on sustainable consumption and production - an opportunity to learn from their common success factors and to be alerted to cross-cutting obstacles they encountered. It will help us to develop, initiate and test new policies, aimed at enabling and empowering individuals or “creative communities” to do better and to do more.

The EMUDE project has revealed the existence of an important driver for sustainable innovation: groups of individual citizens thinking out of the box. Setting the conditions for replication of their projects might indeed be a challenging task ahead for governments worldwide. And those engaged in exploring new structures of civil society should also carefully read the rich contents of this book. The market itself is normally quite alert and powerful in picking up new ideas, products and services, for which a need exists. We will see many creative communities transforming themselves into sustainable entrepreneurs, helping the business community to create globalisation with a human face.

For UNEP and individual governments who are working together in the Marrakech Process, which aims at developing a ten-year framework of initiatives on sustainable consumption and production, the lessons of EMUDE will need to be translated into recommendations. Where can regulations, financial instruments and voluntary initiatives help to inspire more creativity? And where can they help remove practical obstacles that hinder progress?

The EMUDE project has focused on Europe and can only hint at the existence of creative communities in developing countries. The existence of creative communities in both the upper- and middle class segments of developing countries, and of those among the poor both in cities and in rural areas, is undoubtedly an area that deserves further research. Unlocking this largely untapped potential is vital for a truly worldwide mobilization of creativity, which is so desperately needed for achieving sustainable development.

Earlier work of UNEP has revealed that the Global Consumer Class (including the Global South) increasingly shares the same consumption patterns around the world. “All I wanna do is have some fun. I got a feeling I’m not the only one” (Sheryl Crow) can be heard in MP3-players in Tokyo, Sao Paulo, Sydney, Paris, Cape Town and New York. The consumer society is here to stay. But these consumers also have similar ideals. They want to get rid of pollution and stop violence and they really hold that everyone is equal and deserves the same chances. Creative communities exist everywhere, and may not differ greatly, hence offering plenty of scope for learning from each other.

The vast majority of the world’s population has to struggle to survive on a daily basis. Klaus Toepfer said: “We should not be afraid to wish that everyone in the world became a consumer. The poor need more than food and shelter. They ultimately need to be able to make choices for their material and immaterial well being.” Connecting the poor to the world’s grid of creative communities is certainly part of that enormous task. They should become consumers and they should become producers.

This book shows cases, tells stories, and formulates visions and the beginning of theories. It is about individuals, it is about working together, and it will lead to new markets and tools. Let it be a rich source of inspiration for those readers who are willing to open their heart, to be curious and to think differently.

Paris, March 2006



Introduction

09

Anna Meroni

Introduction

12

Ezio Manzini

A laboratory of ideas. Diffuse creativity and new ways of doing

16 Cases

Housing 18

Eating 48

Commuting 74

Working 92

Learning 104

Socialising 120

142 Reflections

143

Pål Strandbakken, Eivind Stø

Utopian by design and/or by coincidence?

147

Isabella Marras

European creative communities and the “Global South”

151

Edina Vadovics with contributions from Ruben Mnatsakanian

Emerging creative and sustainable solutions in Central Eastern Europe

153

Helma Luiten

Replication of the cases: environmental considerations and technological demands

158 Annex

161

Luisa Collina

The network of schools + contributions from schools

166

Anna Meroni and François Jégou

The ethnographic approach

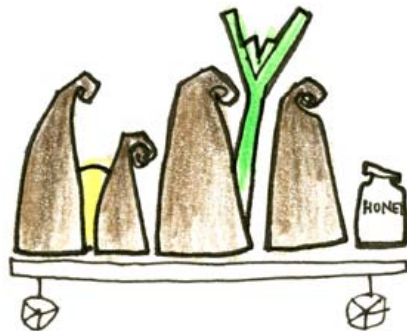
172

Paolo Cuccarelli

The Promising Cases Repository: using ICT for supporting research activities

178 Authors' biographies

180 Antennas: the network of school



Introduction

Creativity is the disposition of thought and behaviour that enables us to imagine and put into practice such solutions as: time banks, home nursery playgroups, car-sharing, ethical purchasing groups, producer markets, self-help groups for the elderly, shared gardens, eco-sustainable villages, vegetable gardens in parks, weblogs, co-housing, neighbourhood self management, home restaurants, local micro-logistics, community supported agriculture, tool exchange, elective communities, small producer networks...

Creativity on the field

This book does not set out to give yet another theoretical definition of creativity. Instead it seeks to define creativity through a series of innovative responses to the various problems that emerge in everyday life, or rather, through the results of these on the field. So the creativity we are talking about is on-the-field creativity (and therefore innovation) triggered by the real context of needs, resources, principles and capabilities.

These responses are presented in the book in the form of case studies that are not only interesting because they are innovative, but they are also aesthetically “beautiful”: there is something in the way they appear that invokes positive emotions and recalls the straightforward aesthetics of the useful. They are beautiful because they are colourful and they are authentically and surprisingly creative. They express vitality and spirit of initiative: they are the unthinkable made possible, the alternative getting itself into working order. And these cases are also “good”: whether intentionally or by coincidence (cf. essay by Strandbakken, Stø) they propose solutions in which individual interests converge with those of society and the environment, creating conditions for a more satisfying use of resources (human, environmental and economic), which restores, or bestows, meaning and value to everyday activities and therefore seems promising as a transition towards sustainability (cf. essay by Manzini).

All in all, these solutions just appeal to our fancy: those who put them forward are sometimes enthusiastic dreamers, and sometimes simply individuals motivated by practical urgency, but they are always satisfied with their own initiative and moved to untiring, incessant activity. From outside, such industriousness appears incredibly demanding, and often it is so. However, it was interesting to discover that precisely in what, to us, looks like fatigue, lies a good part of the deeper quality that our creative communities attribute to their activities. So it is not fatigue, but quality of experience, pleasure in relationship, pleasure in doing, recovery of a sense of togetherness and a source of real satisfaction.

This aspect of quality of experience would go unnoticed if the systems in question were not observed close hand, or better still from “inside”. Now that we have completed our research we can say that, whether by intuition or experience, the approach we chose for our case study proved to be the right one precisely because these aspects were brought to light.

Briefly, we chose on-the-field research using a quasi ethnographical method. A sizeable group of young “creatives by profession”: designers (students from 8 design schools in different European countries) armed with notebook and camera, descended on the places, met people, interviewed promoters and users, often tried out services, collected information... This was a demanding activity, but far more satisfying than desk research.

Ordinary people?

It’s surprising to see how many (apparently) “ordinary people” are able to make the extraordinary possible, if given the opportunity. During the course of our research we have often called these people “heroes” of everyday life. If you hear them talk, these people give no hint of the difficulty of their actions, rather they seem to do the most unusual things quite normally. Probably their true heroism lies here. What we have understood about them is that community spirit is the secret that moves them and fuels their actions; community both in terms of the group that supports, shares and recognises the value of what they are doing, and in terms of the sense of togetherness they aspire to. So, it is in the community or in community as a goal that the creative character of our heroes becomes fully apparent.

And so we come to another key point in our argument: this book seeks to debunk some of the clichés about creativity, and particularly that it is the domain of professionals. Our heroes are not “professional” creatives, neither are they members of a social elite invested with institutional roles, they are forward-looking people, capable of sharing their vision with others. If anything, they are “professionals of the everyday”, run-of-the-mill people with run-of-the-mill problems (ranging from care of the elderly to childcare, from the upkeep of the home to the purchase of food and household goods), but at the same time they are different because they are able to see and face these problems in a “slightly crazy”, authentically “creative” way, going beyond the obviousness of dominant ideas about how such problems are “normally” resolved. In short, they challenge what is taken for granted and think provocatively, adopting in doing so one of the “techniques” put forward by the guru of creative thinking: “Lateral thinking”, says Edward de Bono, “seems close to madness to the extent by which it distances itself from the rules of logic...”.

In what exactly does the creativity of these communities, and the innovations they generate,

10 consist? To be creative we must turn upside down current ways of thinking and preconceived ideas about services and our own public and private role in everyday life. Above all, we must be able to look at problems from different perspectives, and change our point of view. This ability depends on personal aptitude, the origins of which we do not wish to investigate. Observing creative communities, we can see certain common attitudinal characteristics: a non-rhetorical view of reality, a positive even cheerful attitude, and an intrinsically entrepreneurial spirit (and courage).

We cannot know exactly where the ideas behind these solutions came from, but from interviews with their organisers we understand that, more often than not, there is no more than a problematical context behind them to which people have responded naturally, in their own way. Of course, principles, ideology, beliefs, and specific experience have often contributed to a considerable extent, but for everybody, at the base of everything, was the will to not just accept the way things had always been seen and done, but to look beyond the traditional organisation of everyday life, interpreting limits as opportunities, limitations as stimuli and people, without exception, as resources.

Psychology teaches us that to activate creativity, it is not enough that there is a problem to resolve. It is essential that the individual perceives a discordance between his own way of acting and interpreting reality and that of the social system he is part of (Inghilleri 2003). In other words, he must have a vision of how things could go, be sufficiently motivated to follow it, and feel able to do so alone or with the support of others. In short, it is essential to be imaginative, determined and self-confident to change the rules and roles in society.

In this case too, we are seeing some of the techniques of creative thinking being put into practice: the terms of a problem, i.e. their relationship (cause and effect, priority, limitations.....), are being spontaneously or deliberately turned upside down in order to reformulate it, and the chance elements or circumstances (the context) are being used as opportunities to think up a different solution, instead of being seen as obstacles.

The heroes in our communities have gone beyond themselves, creating a combustion between intuition and experience and finding that the impossible can be possible, if we start thinking it is. The courage lay in acting, overcoming the inertia of living in conditions that are not really satisfactory but that are apparently easier and undoubtedly less demanding. The discovery was that the quality of life does not only lie in the results obtained, but in the way of doing things: it is possible to act in a situation driven only by the desire to be, or the enjoyment of being, there and for the pleasure of doing something we are able to do.

The variegated and multiform collection of cases presented in this book, each characterised by a lesser or greater invention, tells us of a different way of interpreting quality of life, associated with proactive behaviour, with decision making, with a diffuse tendency to innovative action, bringing to the forefront what is an innate potential in every human being: creativity.

Happy to do

Social psychology upholds that in rich countries, in spite of materialist pressure, subjective well-being is related to a belief in interpersonal relationships: the capacity to bring people together around an idea, to get people moving, to get together to resolve a problem, all of which are characteristics that are clearly expressed by creative communities. They are therefore

a way of building community values and also of instilling a sense of personal well-being. Here, we wish to underline that an attitude of this kind is within the reach of everybody, it does not concern only large enterprise but also daily activities, and it occurs when we stop seeing ourselves as “consumers” and discover that we are able to determine our own lives. Self-determination, our free choice to do something and really feel that we are changing our situation, brings genuine satisfaction and self-fulfilment, but to bring these solutions about and keep them going requires a heavy investment of energy by the community. So, if people are to keep investing time, attention and enthusiasm such solutions must give rise to good, positive subjective experiences. What experiences are we talking about?

Once again, this book seeks to make qualities evident that are not at all obvious in the meaning and subjective value of relationships with people and artefacts. Of course, not even in this case is it possible to generalise, but we can say on the basis of our findings that for a growing number of individuals the quality of the experience lies in the fatigue we were talking about, the effort of achieving a result (not only in the result itself), and the richness lies in the unfolding of convivial social relationships.

Latouche (2004) notes that to bring about this kind of experience, some social groups implement “relational strategies” that contrast with current development logic and contemplate the most far-fetched economic activities, not (or to a lesser extent) professional, but based on the “art of making do”. An art that finds expression in the formation of innovative social, economic and work networks that correspond to what we call diffuse creativity in everyday life. These networking relational strategies presuppose an active way of interpreting the services, where the roles of client and producer, of user and provider merge in the co-creation of value and benefit. In this way we have solutions that are not only innovative in terms of their idea of who will and how to take charge of resolving problems, but are also innovative because based on the principle of collaborative networking between several individuals, in an economy of reciprocity. Such solutions that can be defined as co-products or open products in technical design language (Cottam, Leadbetter 2004), meaning that they can only be completed by the contribution and participation of all involved. Creative communities tell us that the value of co-creation lies not only in the economic advantage that they sometimes enable us to achieve, but also and above all in the fact that contributing to the achievement of a result leads to emotional involvement and a profound, long-lasting sharing of aims and means. Analogously, statistics tell us that people who feel they play an active part in a social network are usually healthier than people who are isolated.

So, we can conclude that in spite of the greater energy investment required by the people involved, networking relational strategies have the dual advantage of being able to produce positive, meaningful experiences both for the community and for the individual.

Beautiful and possible

Although we have several times talked of “heroes” when referring to the organisers of the solutions presented in this book, we wish to conclude that it is not necessary to be such to live better, consuming less and generating sociality. Efficiency, saving resources, respecting the environment and creating bonds of solidarity prove to be advantageous in every sense, not only in terms of value options but also in terms of general convenience dictated by common sense and necessity (cf. essays by Strandbakken, Støe di Luiten). Just as for quality of individual experience, the effort to implement virtuous practices to save resources can give

rise both to immediate, quantifiable, material benefits (savings in time and money) and at the same time to long term environmental benefits, once again a dual advantage.

How is it possible to support the heroes of creative communities?

Supporting their actions with activities and instrumental platforms, means helping them act more fluently and efficiently, eliminating disturbing factors and maximising satisfactory ones. Effective support would enable even those who are not heroes to overcome inertia and decide to take part in activities similar to those reported in this book. The first step towards supporting creative communities is undoubtedly their recognition: identifying and communicating their reality is a useful initial gesture in sanctioning their existence and bringing them inside our collective imagination. The choices made by these people may be imitated or they may provoke opposition but either way they are not unimportant. Obviously these solutions are precise localised responses to equally precise problems, but they can be generalised both in their ideas for services and in the “entrepreneurial model” they put forward. They present a picture of spontaneous and diffuse entrepreneurship that does not respond to a global logic based on values, principles and rules generated elsewhere, but is motivated by and matched to local systems and is consequently potentially self-regenerating (Latouche 2004; Cianciullo, Realacci 2005).

Finally, they propose a variety of “life styles” that share the same sense of responsibility towards the quality of their own lives and that of the context they live in, lived in a positive and propositive way. All together it is a pleasure to see such an optimistic panorama of Europe.

How are these solutions seen by those who do not live in the European countries where they were found? What is the reaction of those who come from the countries of Central Eastern Europe or the Global South? In these countries where, for various reasons, the social fabric has not (yet) fragmented as it has in Western Europe, but where there is marked social and economic inequality and needs are often of a primary nature, the motivations that underpin the solutions presented in this book may appear at times implausible and at others entirely normal, according to the extent to which perspectives differ when looking at the problems (cf. essays by Marras, Bala e di Vadovics).

Diffuse design

This is a design book. Certainly it is not the kind of design book that first springs to mind, just as the creativity we are talking about is not what is traditionally recognised in people and artefacts. From the contributions that follow, a way of interpreting design emerges that is moving away from products towards services and strategies; when we ask ourselves how it is possible to support our creative communities, we are asking a design question, where design is seen as an activity that aims to make innovation (whether social, technological, production or relational) practicable and desirable. Design can help creative communities not to withdraw into isolation, but build up an overall framework that we can all directly or indirectly refer to, and can work towards reaching a balance between demands arising from different living contexts and people’s ability to deal with them. In this way they can encourage action and confidence in achieving results (Manzini, Jegou, 2003).

Design can contribute to creating the hard and soft infrastructure that establishes the conditions for a creative context: “hard” conditions like places, cultural concessions, facilities,

technology and equipment; and “soft” conditions like network systems and people to people contacts. (Landry, 2000). So, we are talking about contributing to the quality of interaction required between the many individuals involved in the solutions. This means shifting the focus of design from results to the processes that bring them about, and so to what is materially and organisationally required to achieve them. Not as a justification but to strengthen the point, we observe that both marketing and economics are reorienting themselves from result to process, in answer to the growing attention paid by certain consumer groups not only to the quality of the product but also to the quality of the process that produced it. In other words, to its true story, to work ethics and to context identity.

This is a design book also because it talks about design: how else would we want to define the activity of planning geared to creative communities? It is a diffuse design just as its characterising creativity is diffuse: social behaviour from which professional designers have much to learn, rich in stimuli for anyone looking at reality with curiosity.

Finally, this is a design book because it came out of designer sensitivity and it aspires to increase such sensitivity even in those who do not professionally deal with design, stimulating debate on these new forms of creativity and social innovation.

In the pages that follow we present 56 case studies, mainly described through photographs and notes taken on the field by the youngest researchers who took part in this collection: technical imperfections do not mar their beauty which, rather, lies precisely in their frank, documentary nature. A series of detailed reflections then bring us to a better understanding of these cases with the help of experts from various sectors. Finally, experts explain what lies behind the scenes regarding the research activities, the protagonists and the tools used to complete our task.



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A laboratory of ideas. Diffused creativity and new ways of doing

To foster the transition towards sustainability we must look beyond mainstream positions, behaviour and opinions and know how to recognise, in the complexity of signals that society sends us, those that are most promising. In other words, those emitted by certain minorities who have been able to set up on a local scale radical innovations in ways of being and doing things. Once identified we must foster them and facilitate their diffusion.

Sustainability as discontinuity

Within the next few years, we will have to learn to live (and to live better, in the case of most of the inhabitants of this planet) consuming fewer environmental resources. And we will have to do so by establishing new social undertakings at all levels, from the local to the planetary, giving rise to a new sense of proximity and distribution among the human beings inhabiting this small, dense, and today more than ever depleted planet. In our opinion, this is the working sense we should attribute to the concept of 'transition towards sustainability'.

The grounds for this statement are painfully evident to all (or, at least, to all those who do not close their eyes to reality). However, its implications might require further explanation, since they entail coming to terms with certain forms of systemic discontinuity in which, as a general rule, we are not used to thinking.

The concept of living well while at the same time consuming fewer resources and generating new patterns of social cohabitation is related to an idea of wellbeing (and, consequently, to a specific economic and industrial model) that is diametrically opposed to the one which industrialised society has until now engendered and propagated throughout the world and which, put in a nutshell, can be expressed with the following equation: more wellbeing is equivalent to more consumption and less social quality. This pronounced difference proves a stark fact: it is simply impossible to take large steps towards sustainability if we limit our actions to improving already existing ideas and ways of doing things. Each step towards sustainability must involve a systemic discontinuity with pre-existing situations.

How can this discontinuity be achieved? This is not the place for an exhaustive discussion on how complex systems evolve and, particularly, on how systemic discontinuities are produced. We will simply state - since this is the theoretical basis of everything that is discussed in this article - that the groundwork for great systemic changes, for macro-transformations, is laid by micro-transformations, i.e. by the radical innovations introduced into local systems. We will also point out that recognising and observing these micro-transformations makes it possible for us to get a first-hand glimpse of the new systems that, at a given moment, could stem from these changes.

A blocked system?

In view of the ever-increasing evidence of the problems generated by our current way of life and production, contemporary society emerges as a blocked system: corporations and politicians claim that they can do nothing about it given that "people" do not want to change while, on the other hand, people and communities, when considering the possibility of transformation, state that they cannot change because "corporations" and "politicians" do not present them with alternative solutions. Designers, too, find themselves trapped in this paralysing gridlock, caught within a mechanism that seems to leave nothing to the imagination barring the creation of new and useless gadgets or, in the best of cases, the introduction of gradual improvements into a system which, as we now know, is intrinsically unsustainable. In brief, given the current state of things, the world seems to be heading in a direction that is as disastrous as it is non-modifiable.

To break free of this deadlock it is necessary, first and foremost, to embrace a different representation of reality; we must no longer consider "people", "corporations" and "politicians" as "standard" entities but see them for what they really are, i.e. communities and groups of individuals with different and often contradictory points of view.

Once this vital step is taken, the world will continue seeming a very worrisome place, but its profile will be that of a much more diverse, more dynamic and less blocked reality than the one engendered by standard values. If we go beyond these, we will see that, although there are much more perturbing phenomena than the "average", there are also occurrences of a different kind that point to the concrete and definite viability of other ways of being and doing things. These anomalous behaviours, these unconventional ways of thinking are, or could be, the seeds that could engender, context permitting, the plants capable of generating the new ideas of wellbeing, production and economy needed so badly today.

A laboratory of ideas

If our way of looking at things changes, what will emerge is a society that is (also) a great laboratory of ideas and innovations for everyday life: ways of being and ways of doing that

Some of the examples we find around us today include: types of housing where, to improve the quality of life, spaces and common services are shared (as in co-housing); the development of productive activities based on local resources and skills which are also part of wider global networks (as is the case of certain products typical of a specific local area); a variety of initiatives aimed at promoting a healthy and natural diet (from the international slow-food movement to the spread, in many cities, of a new generation of farmers markets); self-managed services for the care of the very young (such as microcrèches, small kindergartens or nursery schools promoted and managed by parents) and the elderly (such as the living-together initiatives: where young people and senior citizens share housing). New forms of social interchange and favour exchange (such as the local exchange trading systems – LETS - and time banks); systems of mobility that present alternatives to the use of individual cars (from car sharing and car pooling to the rediscovery of bicycles); fair and direct trade networks between producers and consumers (such as the direct trade initiatives that have already been established around the globe); and the list could go on, as can be seen in other chapters of this book.

Creative communities

It must be pointed out here that all the cases making up this motley panorama of social innovation have one crucial thing in common: they are all radical innovations of local systems, i.e. discontinuities with regard to a given context, in the sense that they challenge traditional ways of doing things and introduce a set of new, very different (and intrinsically more sustainable) ones: organising advanced systems of sharing space and equipment in places where individual use normally prevails; recovering the quality of healthy biological foods in areas where it is considered normal to ingest other types of produce; developing systems of participative services in localities where these services are usually provided with absolute passivity on the part of users, etc.

Moreover, all of these promising cases share another distinguishing feature: they are the outcome of initiative taken by individuals endowed with special project skills who set themselves specific objectives and find satisfactory tools to attain them; specially creative and entrepreneurial people who, without expecting to trigger general changes in the system (economy, institutions, large infrastructures), manage to reorganise the existing state-of-things producing something new. On the other hand, if, as the French mathematician Henri Poincaré stated, “creativity means joining pre-existing elements in new useful combinations,” then we can definitely call these active minorities ‘creative communities’.

Additionally, these creative communities have many common traits: they are deeply rooted in a place, they make good use of the local resources and, directly or indirectly, they promote new ways of social exchange. At the same time, they are linked to networks of similar initiatives being undertaken in different places, which enable them to exchange experiences and share problems at an international level (thereby turning them into cosmopolitan rather than merely local entities). Finally, and this is the aspect which most interests us here, they introduce new solutions that bring individual interests into line with social and environmental interests (which means that they have a high chance of becoming authentically sustainable solutions).

These creative communities and the promising cases they engender teach us a very important lesson: that it is already possible to take steps in the direction of sustainability. And they do this by offering us in advance specific examples of what could become “normal” in a sustainable society, fuelling up social debate and giving rise to shared views on this subject. At the same time they reflect, implicitly or explicitly, a demand for certain products and services, pointing to new market opportunities for the development of sustainable solutions.

It is interesting to note that cases and communities of this kind can be found in all “urban” areas: each obviously with its own particular characteristics but also sharing many characteristics in common. Despite the fact that these initiatives are still a minority, as we have already pointed out, they are spreading and acquiring the profile of a large cosmopolitan workshop: a dynamic and motley group of individuals and communities that are putting a lot of effort into constructing specific hypotheses of potential futures.

The role of design

To sum up: fostering the transition towards sustainability is a question of establishing a ‘virtuous circle’ encompassing social innovation (which we recognise here in creative communities and in the new ideas and solutions they generate) and technological and institutional innovation (that can be implemented by the actors who, through their decisions, can advance the possibilities of success of promising proposals). On the other hand, setting up this virtuous circle requires first and foremost the development of the communication, design and strategic skills necessary to recognise, reinforce and transmit, in an adequate manner, the ideas and solutions generated at a social level, transforming them into original working proposals and endowing them with greater potential in terms of large scale dissemination, and to find ways to institute them in the most efficient manner.

Having reached this point, it is time to make a detailed analysis of the role that could be played by design - and with this term we mean to encompass the entire design community, i.e. the group of professional, economic and cultural entities that make up this community, with special reference to the schools of design - in this process. Take the idea of the virtuous circle which we have just described. Surely design should use design-specific skills to be actively involved in the establishment of this circle and give visibility to promising cases, highlighting their most interesting aspects, drawing up a map of the existing state-of-things and building scenarios of potential futures; interpreting the questions which arise from promising cases; conceiving and developing systems of products, services and information to increase their efficiency and accessibility.

If this is, in a nutshell, what design should do, then the next question we can ask is whether design is capable of carrying it out. Personally, we believe that it is. However, in order to play this role, design must update its traditional cultural and functional legacy. Moreover, the very idea of what a designer is in our day and age must change.

We must learn to see designers as social actors in a society in which, as contemporary sociology points out, “everybody designs” and in which, as we can see clearly in this book, a host of active minorities are inventing new ways of being and doing things. Given that they occupy a place in this society and that they are exposed to all of its characteristics, designers

should accept the fact that they can no longer aspire to a monopoly on design, since we are living in an era in which everybody designs. They should accept that today design is not only executed in design studios, but everywhere. And yet, designers can continue playing their specific role. It is precisely because contemporary society is the way that it is that the role of “design professionals” acquires even greater importance. Designers can come to the fore in the great “diffuse” design arena, becoming “solution providers”, contributing their specificities, such as their capacity to produce visions of what is possible (i.e. the ability to imagine something that does not exist but could potentially exist) and set in motion strategies to help them materialise (i.e. concrete steps to transform potential visions into real solutions).

Designers with new skills

These peculiar traits, in unison with the characteristics that distinguish contemporary society and the social innovation subjects we have discussed here, require a series of relatively new skills, even for designers: generating collaborations among diverse social actors (local communities and companies, institutions and research centres); participating in the construction of shared visions and scenarios; co-designing articulated systems of products, services and information.

If, as is frequently said, the transition towards sustainability must be seen as a social learning process and ground for diffuse design ability, the designer increasingly takes the role of facilitator in the learning process, and of support for diffuse design skills. In other words, his field of action moves further and further away from the figure of a traditional designer towards that of an actor operating to make orientated events happen and make sure interested subjects participate, and do so creatively. He becomes a process facilitator who acts with design tools i.e. by generating ideas on possible solutions, visualising them, arguing them through, placing them in wide, many faceted scenarios presented in concise, visual and potentially participatory forms.

A new, different and fascinating role for the designer emerges from what has been said here. A role that does not substitute the traditional one, but that works alongside it opening up new fields of activity, not previously thought of.

The first step on this ground is to take the social innovation as a kick off point and use one's specific skills and abilities to indicate new directions for product and service innovation (in practice this involves moving in the opposite direction from that more frequently taken by designers i.e. where, starting by observing a technical innovation the designer proposes products and services that are socially appreciated).

The second step designers must make is to consider themselves part of the community they are collaborating with. To be and act as experts participating peer-to-peer with the other members of the community in the generation of the promising cases they are working on, and their evolution towards more efficient and accessible systems.

When things are put in this way, the professional profile of a designer tends to appear rather differently from the historically consolidated form we are used to. The classic idea of a designer is of an operator who, case by case, refers his activities to a final user, working for

or with a firm. In the new scenario, the designer tends to become an operator who acts within a more complex network of actors (that may certainly include firms but not exclusively) where his main interlocutor, his actual client, may be an institution, a local authority or, as in this case, creative communities.

Agents of sustainability

So, the programme of activities that led us to focus on the creative communities presented in this book lies in this context. Envisaging that designers can and must play the role we are talking about, and that design schools are the places where this new way of doing things must emerge and take shape, it was natural to take design schools as interlocutors, and particularly as “antennas” to identify, amplify and transmit promising cases. Leaving a more precise description of the purpose-built network of schools to another part of this book (cf. the Annex), we think it useful here to underline the extent to which this choice has in fact proved correct. In fact, the young designers who took part in the programme not only proved highly enthusiastic about these issues, but were also particularly sensitive towards a form of innovation that is, at the same time, both behavioural, organisational and technological. In other words, the experience of this programme of activities has demonstrated that designers can be particularly sensitive in detecting (and capable in describing) promising cases of social innovation. In facts: they are trained to consider at the same time: new user demands, innovation in the supply of products, services and systems, and the complex phenomena that link them together.

If we then consider young designers in particular, as was done in this case, we can add that they have the mental elasticity to look in new and initially unforeseeable directions. That is: in the way we must do in order to see examples of radical social innovation.

In conclusion, we must say that design schools are places where this kind of exercise not only can be done but it must be done. And for several reasons. To train a new generation of designers able to recognise such solutions and develop their implications for design projects. To develop new tools suitable for this purpose, but also, and maybe most importantly, to give the schools themselves the role of agents for sustainability that they should have. The role of promoters and facilitators of a huge social learning process, which is so much needed today.

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➔ housing 18

- 20 Aquarius - Social elderly community of age 55+
- 22 De Kersentuin - Sustainable Housing and Living
- 24 Earthship, Fife
- 26 Findhorn Ecovillage
- 28 Jardin Nomade - Nomadic Garden
- 30 Loan Gardens
- 32 Materjalid.net - Used construction material recycling
- 34 Milieuvriendelijk Tuinieren - Environmental friendly gardening
- 36 Model Eco - Friendly Hamlet
- 38 Mööblikom - Furniture re-designing studio
- 40 Neighbourhood Shares
- 42 Nieuwlande - Villagers active involvement
- 44 Prendi a casa uno studente - Lodge a student at home
- 46 Oranssi - Housing company

➔ communing 74

- 76 +BC Cycling Association
- 78 Andiamo a scuola da soli – Walking bus
- 80 Bicycle Flea Market
- 82 Cyclo-Pouce
- 84 MCS – Milano Car Sharing
- 86 MFG Mülheimer Fahrrad Gruppe – MFG Cycle Association
- 88 Minimo Impatto – Minimum Impact
- 90 Mobiele Fietsenmaker – Mobile Bicycle Repairman

➔ eating 48

- 50 Biomercatino - The Little Organic Market
- 52 Chmielnik Zdroj Ltd - Alfred food and drinks delivery
- 54 Cream o'Galloway dairy farm
- 56 GAS Gruppo d'Acquisto Solidale - Group purchasing organisation
- 58 Gemüsebox - Vegetable Box
- 60 Huiskamerrestaurant Schuif 's Aan - Living Room Restaurant
- 62 Les Jardins de Cérès - Cérès's garden
- 64 Local Food Link Van Group
- 66 Natural Food-system near the roads
- 68 Ökosahver - Eco-pantry
- 70 Orti del Parco Nord - Parco Nord Vegetable Gardens
- 72 Slow food in Poland

→ working 92

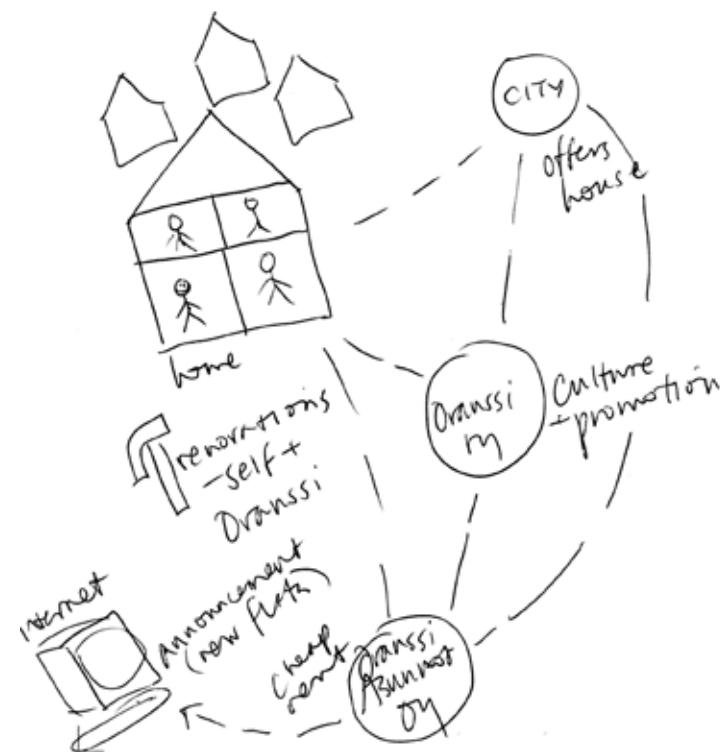
- 094 Ayrshire LETS (Local Exchange Trading System)
- 096 Banca del Tempo - Time Bank
- 098 CICP Centre International de Culture Populaire - International centre of popular culture
- 100 The sheep project
- 102 Työ & Toiminta - Job and Action Association

→ learning 104

- 106 Artist involvement in creative education
- 108 Cafezoïde - Playground café
- 110 Coach House Trust
- 112 Comenius Kindertuinen
- 114 La Boutique Pédagogique - Training Shop
- 116 Nidi in Casa - Nurseries at home
- 118 NUBLU Minilasteed - Mini kindergarten

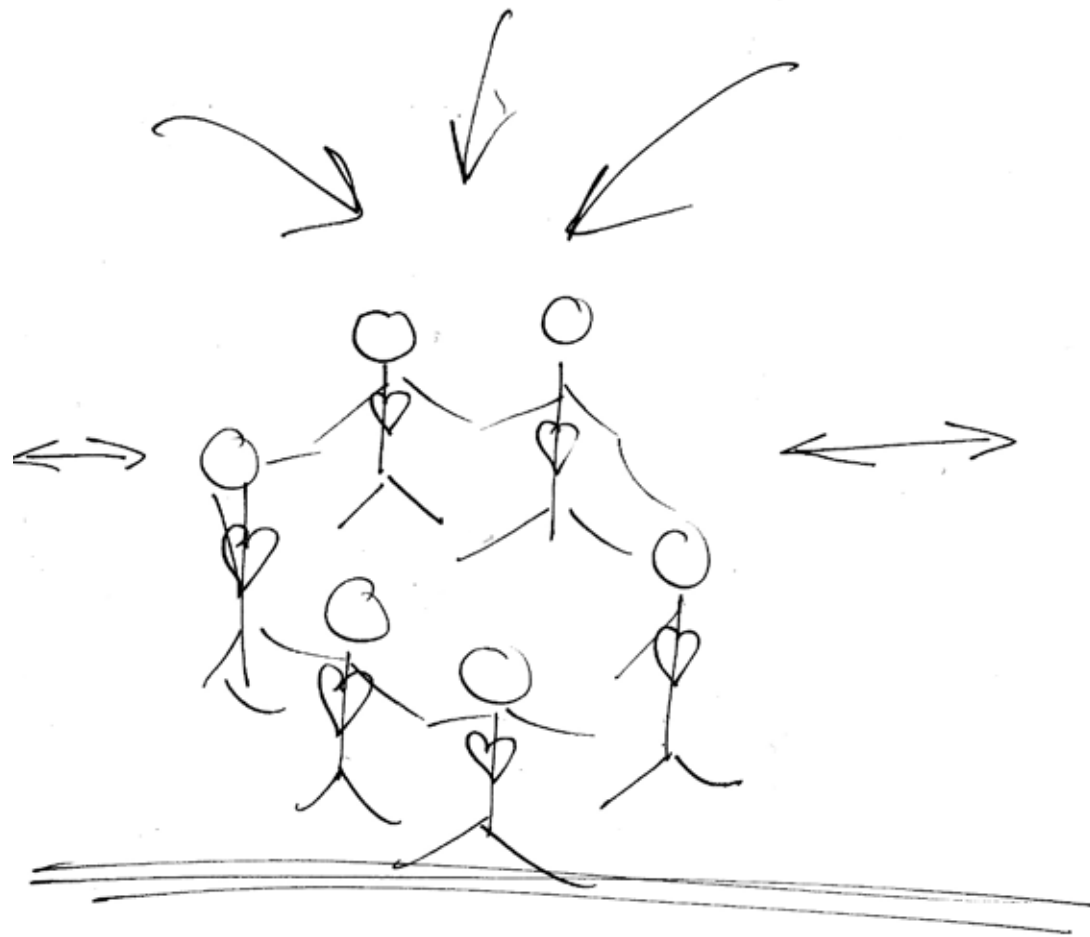
→ socialising 120

- 122 Bracka Street Festival
- 124 Buchticket - Book Exchange
- 126 Club Liberté
- 128 Exchange corner in radio Krakow
- 130 Happihuone - 'Oxygen Room' cultural greenhouse
- 132 Meerhoven Senior Club
- 134 Omaabi - Self help community
- 136 Raciborowice Senior Club
- 138 Weblogs
- 140 www.foryouears.com - MP3 distribution company



gives what he intends to receive
 This is what Joseph drew
 when accepting the values
 of the community.

housing



Educated people
usually. from all
and from all walks

- ① People aware of it
looking to follow a
path. Canning for g
- ② Listening / understand
honesty and trust.
- ③ Peaceful / Spiritual
Meditation spaces

People over 55 live in a resource-sharing community suited to their diverse needs and lifestyles.

The Netherlands, Eindhoven

Aquarius – Social elderly community of age 55+

By Aquarius Association

The solution

Aquarius is a community where elderly people spend their days in a socially active environment. About 45 older people live there and each couple has their own private home and garden, but also uses a communal space and large communal garden. The inhabitants help each other out as much as possible. A committee organises the community: one of its tasks is to select new inhabitants. People can apply if they are aged between 55 and 65, to make sure there is always a mix of younger and older residents.

Context

In 1984 a group of elderly people who did not feel comfortable living alone, but even less comfortable living in a home for the elderly, took the initiative to establish a community for the elderly in Eindhoven. These people wanted a housing environment that was better adjusted to the needs and wishes of their age. Some of these people lived on their own and felt lonely. Other people felt insecure in their own houses and wanted to get a fell safer feel.

Current situation

The founders of the community initially spent a lot of time investigating postive features of other senior communities to implement in their own. Since it started in 1990, not much has changed,except for the arrival of a few newcomers and small practical improvements to the community. The inhabitants rent their houses from an Eindhoven housing society, which owns the buildings. They also share the rent of the communal area. Committee work is voluntary The main garden is maintained by a gardener who they also pay for collectively.

The benefits

Society. Living in Aquarius encourages active social contact and helps keep inhabitants' lives as meaningful as possible, in a safe, friendly environment. Members probably remain active and independent for longer and the need for nursing of senior citizens is reduced for society in general. Aquarius encourages the distribution of giving and receiving aid over the retirement years.

Environment. As most of the activities take place within Aquarius, transport intensity is minimised.

Economy. The economics of Aquarius are comparable to normal life. Inhabitants rent a house and the activities are organised voluntary by fellow inhabitants. Mutual co-operation saves money for the people and social activities are affordable.

The experience

A peaceful, well-run common garden acts as a transition zone and place to meet others. A communal area for activities is a perfect combination of public and private space. Helping neighbours and living close together engenders a feeling of safety and being cared for.

Design challenges

Creating communal spaces in the buildings would allow inhabitants to organise more kinds of activities together. Creating the opportunity to share equipment and services with easy and voluntary access.



“Aquarius is like a student house for elderly people. People there seem to be socially connected but also able easily to maintain their privacy. Many people told us the arrangement is the perfect compromise between living on your own and living in a nursing home.”

A community creates the conditions for environmentally friendly living.

The Netherlands, Eindhoven

De Kersentuין – Sustainable Housing and Living

By De Kersentuין residents association
www.kersentuין.nl

Solution

De Kersentuין is an environmentally, socially and economically sustainable community in a recently built suburb of Utrecht. The residents drew up plan for this sustainable neighbourhood themselves, bargained with the city, and contacted architects to help them. In a matter of years, a neighbourhood of 94 buildings was created; it benefits from shared facilities, solar power systems, special thermal isolation, a balanced ventilation system, the possibility to extend houses as families get bigger, lots of green in the neighbourhood, a shared garden, neighbourhood-help and car-sharing. Its residents are very self-sufficient, and arrange lots of initiatives – such as hand crafts, a shared carrier cycle, carshare, etc - from which both inhabitants and the rest of the neighbourhood now benefit.

Context

A group of people felt the need for an environmentally friendly living space, a kind of development not provided by the state. The only way to get a socially and environmentally sustainable place to live was to plan it themselves. Seven people started planning the neighbourhood. After a year and a half, the city of Utrecht agreed to co-operate. By this time, the number of people planning the project - its future inhabitants - had grown.

A location was found – Leidsche Rijn, a new neighbourhood in a suburb of Utrecht.

Current situation

De Kersentuין came to life in December 2004. Now it is an active community in a mature stage of development. The community now opens up and informs other people and organisations interested in the initiatives. There are no plans to expand De Kersentuין, but the inhabitants hope that the number of similar initiatives will keep growing, and new schemes will be started by people like themselves.

The benefits

Society. Fewer cars in the neighbourhood leading to a more child-friendly place; a diverse group of inhabitants; lots of activities to bring and keep people together; social contact within the neighbourhood; innovative initiatives; a feeling of being part of a whole.

Environment. Resources are used efficiently and sparingly. There are, among others: a car-sharing project; many green areas maintained by both inhabitants and hired workers; shared facilities, including environmentally friendly washing machines; and optimum use of natural resources such as solar cells for energy and rain water for domestic use.

Economy. The inhabitants pay a contribution and a fee for their parking place to the association; pay rent to 'Portaal', the housing association; pay maintenance costs for the owned houses to the owners' association; and pay for use of all the services (handcart, shared cars). By organising certain services themselves and by sharing facilities they save money. In future, it might even be possible for the community to be paid by the power company for any extra energy they produce from the roof-top solar cells.

The experience

The pleasure of taking care of, and feeling responsible for, their own and the common environment. Pride in making and maintaining a real sustainable neighbourhood.

Design challenges

Creating a platform for sharing ideas and opinions.

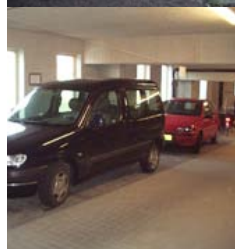
Authors

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Yanick Aarsen, Emiel Lagarde, Dick Rutten, Niko Vegt



Benefits for the community:

- Car sharing - 16 people/families share two cars thus decreasing car use
- Community centre - residents organise parties, meetings etc.
- Common garden - improves the quality of the outer space and contact with neighbours
- Launderette - a cheap way of washing clothes
- Carrier cycle - a way of shopping without a car
- Handcarts - for easy transport of goods
- Climatic comfort - all houses have individual ventilation systems which can be adjusted according to the number of inhabitants, thermal isolation and use solar energy.



People learn to build their own homes and live in eco-efficient, natural buildings.

United Kingdom, KInghorn Loch Fife Earthship, Fife

By Michael Reynolds, Sustainable Communities Initiatives
www.sci-scotland.org.uk/earthship.html

Solution

Earthship houses offer people the opportunity to build their own homes and make a conscious decision to live lightly on the earth. Each home is a passive solar building, made from natural and recycled materials, is powered by renewable energy, such as wind, water and solar power, catches its own water supply from rainwater, and treats and contains its own sewage in planter beds. It is a concept and can be adapted for any climate worldwide. The purpose of Earthship is to inform people of the simple ways in which they can reduce their impact on the environment. The construction of Earthship houses (reclaimed tyres filled with compacted earth, with a glazed south-facing wall) allows thermal mass, maximum heat-retention and insulation. This is particularly appropriate for the Scottish climate, the wettest climate in which an Earthship has been built. The project is being monitored to assess the feasibility of using reclaimed tyres as a building material in the construction of mainstream housing.

Context

The Earthship is located on the edge of Kinghorn Loch, beside Craigenfalt Ecology Centre. Kinghorn itself is a small town with little commerce. The construction programme started with an intensive eight-day building programme with American Earthship builders, including Earthship pioneer Michael Reynolds, and 11 trainees from across the UK. Since then, more than 200 volunteers have helped complete the Earthship over weekends and work experience days from the Sustainable Communities Initiative, which provides experience opportunities to learn building skills required in Earthship building. Volunteers can be involved for a day, or for as long as they wish, however the majority of users are visitors who want to learn how to make their own lives more eco-friendly.

Current situation

Construction of Scotland's, and the UK's, first Earthship, began in July 2002 and opened to the public in August 2004. The project is very flexible, and is constantly being improved. Although construction is complete, the surrounding land (including greenhouses and a vegetable patch) is still evolving, and the volunteers are learning more as the seasons change. The project relies on donations of money, labour and materials, although it also applies for funding from appropriate environmental bodies, a list of which can be found on their website. Only one other Earthship project exists in the UK, and as yet they are relatively low-profile.

The benefits

- Society.** Because the project gives people the opportunity to build their own homes and the necessary experience, through the workshops, it disseminates technical competence in eco-building.
- Environment.** The buildings themselves have little impact on their environment and are powered through renewable energy.
- Economy.** People can decide to start building or restoring their house according to the eco-design principles without having to refer to professional consultants.

The experience	Design challenges
Pleasure in taking care of the environment and feeling responsible for it. Pride in being able to build one's own house.	Making the eco-system available and affordable for domestic use. Creating a platform for sharing tools and skills for people who want to contribute/build their own house.



A sustainable community, harmlessly integrated into the natural environment.

United Kingdom, Findhorn, Scotland Findhorn Ecovillage

By Findhorn Foundation
www.ecovillagefindhorn.com

Solution

Findhorn Eco Village combines local organic food production, ecological building, energy systems, and cooperative, social economies to create a fully sustainable community: it is an ecologically respectful built environment, providing a good example to local rural communities. It provides a sustainable way of life for residents, demonstrates co-creation with nature, and supplies a place to educate in living sustainability. The Findhorn Community is known internationally for its experiments with new models of holistic and sustainable living. Cooperation and co-creation with nature have always been tenets of the community's work, ever since it became famous in the late 1960s for its remarkable and beautiful gardens grown in adverse conditions on the sand dunes of the Findhorn peninsula.

Context

There is an increasingly urgent need for positive models that demonstrate a viable, sustainable future for humans and the planet. The Findhorn Foundation, established by the community in 1972, is a major centre of holistic education, conducting programmes for more than 4,500 residential visitors a year from more than 50 countries. Today it is the heart of what has become one of the largest holistic communities in the world and is the centre of this rapidly developing eco village. Since 1981 the foundation has been involved in the development of the Ecovillage Project as a natural continuation of the community's work with nature. A number of other organisations within the community work in partnership with the foundation to help create and develop the Findhorn Ecovillage Project.

Current situation

Eco Village began in 1982: the next major development phase for the Findhorn Community will be expanding the village with hundreds of new, non-toxic eco homes. The community has grown and expanded since 1962, and is now deeply rooted and stable. The foundation has received great recognition from the local enterprise board, which now appreciates that it generates £5 million worth of household income in the area and supports over 400 jobs. It also acknowledges the social, educational, cultural and environmental benefit to the area. The foundation is a not for profit charitable organisation. Some figures from annual report 2004:

- 75% of the foundation's revenue (£1,091,484) comes from educational income
- net assets in 2004 were £2,242,000, and after costs the surplus was £82,000.
- the main expenditure was staffing (£355,000) followed by rent, fuel and maintenance costs (£201,000).

The benefits

- Society.** Holistic living means establishing a direct, harmonic relation between nature and man and promotes tolerance and respect in the society.
- Environment.** Findhorn integrates local organic food production, ecological building, and energy systems in a fully sustainable community.
- Economy.** New tools for low-energy living have emerged, as have new business models that enable technical innovations to be disseminated.

The experience	Design challenges
Pleasure from being part of a pilot project of sustainable living.	Making an eco-system available and affordable for domestic use.

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Arianna Madiotto, Sophia Westwick



Residents transform an abandoned plot into a shared neighbourhood garden.

France, Paris Jardin Nomade - Nomadic Garden

By Association Quartier Saint Bernard AQS
www.qsb11.org

Solution

This run-down eyesore was transformed into a dynamic, locally run community garden, meeting and events space. The 270 square metre shared garden is a platform for a multitude of activities; it inspires interaction between generations and involvement with local schools. The Jardin Nomade offers a free and open space where locals of all age groups can meet and have fun. A monthly meeting is held by the Association du Quartier Saint Bernard (AQS) to exchange information, organise events and deal with any problems. Claudine Raillard, a professional gardener, performs the general management and supervision of the garden, draws up contracts, distributes individual garden plots, gives gardening advice and programmes activities, undertakes environmental research (such as water collection) and organised the brick architecture (hut) project.

Context

The Jardin Nomade (JN) is in a quiet residential part of Paris, between two busy streets to the east of the Bastille. Despite the influx of young people and tourists attracted by the lively shopping, café and bar activities, there is still a strong local spirit in the neighbourhood, fiercely supported by local associations such as the AQS. On the initiative of local residents, supported by the AQS, JN was developed as a community garden, built on a site which had been abandoned for almost a decade. Local residents and families undertake the daily care and cultivation of the vegetable garden, and local schools provide environmental education activities for the children.

Current situation

After several years of trying and a change of municipal leadership, JN came to life in 2003. From an empty plot, the first flowers and vegetables were harvested in 2004. The garden was blooming! The JN is now authorised to remain on site until 2010. JN has inspired the design of the Main Verte system - an environmental charter created by the Ville de Paris parks and gardens department which underpins the protocol for use of the garden, and sets out rules for environmental behaviour. The charter has served to inspire other similar projects in Paris and periphery. The garden has matured and the success of the neighbourhood dynamic widely recognised. Originally designed to be moved on once the city-owned plot is reclaimed (a multimedia centre is scheduled to replace the garden in 2010), locals hope that the city will make the garden permanent. This seems more and more likely. City Hall loans the site, provides infrastructure, servicing and equipment. JN provides management, supervision and gardening advice, and distributes the 54 garden plots. Each cost 21 euro each, of which 50% goes to JN, and 50% to City Hall.

The benefits

- Society.** JN inspires inter-generational interaction, involvement with schools (which can extend activities outdoors to a safe, local city venue) and associations, and creates a healthier environment. Claudine Raillard (AQS) is devoted to community action and increasing environmental awareness through city gardening. Teenagers are taking an interest in the garden since young graffiti artists painted the mural on the back wall, making the garden visible from far away. Even the elderly and unemployed are finding roles and exchanging expertise.
- Environment.** The Main Verte (Green Hand) charter supports such initiatives as part of Paris city-wide policy for sustainable development; this encourages local consultation/participation, ‘greening’ the city, etc. The charter states that all sites must respect the environment, develop biodiversity, and encourage actions to develop environmental and civic responsibility, especially in the young.

Economy. AQS used growing boxes designed by students. City Hall may sponsor a series for use in other projects. Windmills/decorations were developed by a designer with local children from plastic waste. Association AKARAS constructed a hut on site with locals, to demonstrate brick architecture. Main Verte has inspired 18 working projects and 30 proposals for future sites.

The experience	Design challenges
Pleasure in taking care of one’s own and common environment and feeling responsible for it. Pride in making and maintaining a better neighbourhood. Expressing oneself in creating original garden designs.	Using used growing boxes designed by students in other projects. Developing decorations by designers with local children.



Everyone, including passers-by, gains from greening the city, increased environmental awareness in children and teenagers, and the emergence of inter-generational and intercultural exchange. Healthy, outdoor nature activities for all have evolved. The dilemma is that JN has become a victim of its success - there are now too many users for too few growing plots!



Public green makes a neighbourhood more beautiful and welcoming.

The Netherlands, Utrecht Loan Gardens

By Nieuw Utrecht Association

Solution

Loan Gardens is about the maintenance of public green by the neighbourhood's residents. There are a lot of public green spaces in Overvecht: residents wanted to use these particular areas to give the neighbourhood more identity. Residents who want to garden, first ask permission from the community centre, which provides the information they need. When permission is granted residents receive a management contract, and some funding, which makes the inhabitant fully responsible for the maintenance of a piece of public space. Now she/he can start gardening. An association provides advice, gardening courses and plants for the inhabitants, and the district office and students of nearby Wellant College help with the planting.

Context

Overvecht is a suburb built in the 1960ties in Utrecht. It consists mainly of appartement buildings rented by people with low incomes and from different cultures; the area tended to be drab and grey, and lacked a positive identity. Another problem was that residents tended not to know each other, even in their own appartement block, and felt no responsibility for their neighbours.

Current situation

Loan Gardens came to life in the 1980s. The general idea is not new, but was a new concept for this neighbourhood, giving it an identity and solving the problem of lack of social contact in the neighbourhood. From the Loan Gardens initiative, initially taken by an artist of the neighbourhood, new services have been developed. The Loan Garden service itself has improved, and housing corporation Portaal has created a new division, focusing on social circumstances, which aims to improve the neighbourhood. Inhabitants mostly buy the plants and tools themselves, with the district office or the housing corporation providing funding when necessary. The district office has a district budget which is also available for the gardens.

The benefits

Society. Since the residents started doing things together, communication barriers have diminished sharply. Gardening provides an opportunity for a Dutch woman to talk with a Moroccan man, etc. People have started feeling more accepted in society, improving their daily lives. The fear of the unknown has disappeared – for example, residents now know that one of the hang around youngsters, who previously they perceived as threatening, is in fact the son of Mr Chamli, their neighbour.

Environment. The environment gets an identity, because every gardener or residents' committee adds a garden design. It also means a cleaner environment, with both gardeners and non-gardeners looking out for litter.

Economy. The local authority can save on public space maintenance, now the green spaces are better managed.

The experience

Pleasure in taking care of both individual and common environment, and feeling responsible for it.
Pride in creating, and maintaining, a better neighbourhood.
Expressing oneself in creating original garden designs.

Design challenges

Creating services and infrastructure to manage problems collectively.
Generating platforms for sharing instruments and skills.



How valuable used construction materials and components are re-used.

Estonia, Tallinn

Materjalid.net – Used construction material recycling

By Materjalid.net
<http://materjalid.net>

Solution

This project teaches people about old and used materials so that they can be re-used, enriching the new environment. It collects, removes, stocks and transports valuable used building and construction elements, ranging from door handles and postbox labels to bricks, stairways and roof details. Materjalid finds out about potential reclaimable materials from construction or real estate companies, who are demolishing old buildings to develop new projects, or members of the public interested in a sustainable lifestyle. Project manager Valdur Lillemets organises the transportation and stocking of materials and posts information about new findings on the website. The organisation both sells the elements, via the website or from the stock area, and runs workshops about renovation. People are taught to lengthen the lifespan of objects that have served us well rather than throw them away.

Context

Tallinn and other Estonian cities are rich in original, preserved wooden housing. But the intensive period of construction and renovation that started following independence in 1991, and following the shift from public to private property, has had a strong influence on people's taste and preferences. Now, everything that is new and imported is attractive, and the old and homemade is not worth considering. This attitude has resulted in several culturally and historically important buildings being destroyed, and the waste of valuable materials.

Environmental thinking has developed in the opposite way to Western Europe, only gaining attention in the last few years. Fortunately, there are organisations that promote sustainable thinking and resource-saving. One of these is the Information Centre for Sustainable Renovation (SRIK), whose main project is materjalid.net.

Current situation

Materjalid.net was started in the beginning of 2002 by SRIK and Tallinn Cultural Heritage Department, driven by Tarmo Elvisto, who is a passionate promoter of sustainable thinking and renovation. The concept of recycling used materials and elements was created with support from renovators and other specialists, who form a strong and supportive community. Although this kind of project can be found in other European countries, especially in the Nordic region, recycling is still rare in old Soviet countries. The project initiated in Tallinn can be considered as a pilot, and members of materjalid.net will open facilities for stocking and preserving materials in other Estonian cities in the near future.

The benefits

Society. New groups interested in sustainable renovation and recycling of used materials are emerging thanks to workshops regularly organised by Materjalid.net coordinators. Participation in these workshops encourages personal involvement in the renovation of homes, and encourages participants to look after their own environment. Nevertheless, more active promotion via mass communication would increase awareness of using old materials in renovation. Only a very small percentage of people are aware of sustainable renovation, and the option of living in the city's original wooden housing areas.

Environment. Recycling used materials is directly connected to sustainable thinking and resource conservation. Using old materials eliminates the need for any extra energy or production resources, and they are generally produced using traditional techniques, which aren't harmful to the environment.

Economy. New components cost more than used components. In fact, saving money is very often the main reason why young families buy used materials.

The experience

Pleasure of adapting valuable building components from the past to enrich one's own house.
 Learning to restore valuable parts of old buildings.

Design challenges

Similar centres should be set up all over Estonia to cover a larger area, and awareness of recycling historical building components encouraged systematically and vigorously via mass communication.
 The project encourages people to think sustainably and to make maximum use of existing resources.

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 Ülle Jehu



For people interested in renovating their own homes, Materjalid.net is perfect. Once they have attended the lecture on sustainable renovation techniques or bought a used component, they will probably be involved with sustainable thinking for the rest of their lives.

Typical users of the project are young families, renovating their apartments themselves in a district of old wooden houses, and want to do it cheaply, stylishly and with originality.

Amateur gardeners learn to reduce the use of herbicides while keeping their garden healthy.

The Netherlands, various locations

Milieuvriendelijk Tuinieren – Environmental friendly gardening

By DLVGroen&Ruimte
www.milieuvriendelijktuinieren.nl

Solution

Environmentally friendly gardening maintains the garden the way nature would do, by, for example, using decomposing plants as nutrition, and battle diseases by using insects. The website www.milieuvriendelijktuinieren.nl and the association VELT (Vereniging voor Ecologisch Leef- en Teeltwijze) encourage environmentally friendly gardening, by providing information, publishing newsletters and brochures, and maintaining a knowledge bank. VELT is a membership organisation, organises meetings, and has an example garden which the members maintain collectively. Amateur gardeners also visit each other now and then to see their gardens and exchange knowledge.

The background context

Most gardens are less environmentally friendly than they might appear. People often use machines and chemicals, such as herbicides and fertilisers, to keep the plants healthy and growing well. It is possible to achieve a healthy garden without using chemicals, but this knowledge of ecological gardening is not widely shared.

Current situation

The Milieuvriendelijktuinieren project – financed by the government and executed by DLVGroen&Ruimte – started in 1995 and was finished in January 2005. The VELT association has been running for several years, has 13,000 members, and is still growing. The web site still exists, but unfortunately is not updated anymore.

The benefits

Society. Most people have been raised to be accustomed to intensive agriculture, with its heavy use of fertiliser and lack of respect for nature. Environmentally friendly gardening enables people to understand the natural lifecycle better.

Environment. This method is good for the environment, as no fertilisers or toxic chemicals are being used. The plants are healthier, because they are exposed to bacteria and fungus, and thereby have their own resistance against them, recreating natural selection and ‘survival of the fittest’.

Economy. Gardening could become a more popular hobby, providing an opportunity for a new range of products and services. For small gardening the costs of adopting environmentally friendly methods are pretty low, by using, for example, compost made from waste from the same garden.

The experience

The taste of ecological and healthy food grown by yourself.
The satisfaction of giving a personal contribution to sustainable development and making the world a healthier place.

Design challenges

Creating platforms of services and tools to support non-professional farmers and gardeners.
Developing amateur networks to share experiences and skills.

Lettuce and leeks are seasonal winter vegetables, which people can eat instead of artificially cultivated vegetables.



In environmentally friendly gardening crop rotation is essential. One cycle lasts six years, with six types of plants cultivated in a specific order.

Ine has just started this method of maintaining the garden, and her first impressions are positive. She used to throw all the leaves and waste away; now she has reserved a place in the garden where the waste can become compost.

Poland, Zawoja Przyslop

Model Eco-Friendly Hamlet

By Association for Sustainable Development 'Przyslop'
www.przyslop.zawoja.pl

Solution

Pupils, parents and teachers of the Number 4 Elementary School in Przyslop decided to expand it into a tourist information and environmental education centre to prevent its closure. It now includes an environmental education centre whose activities include organising courses and ecological education events. The project makes available a variety of existing but previously separate resources: products by local craftspeople, natural riches, cultural monuments, the Amber Trail route and the monastery wind power-station. Now, products are easily accessible, as they are sold in a special shop, the Sklepik pod Magurka. Tourists walking the Amber Trail can also visit newly marked-out paths (the Educational Trail and the Trail of Local Chapels), stay the night in one of the agro-tourist hostels, and buy souvenirs from one of the ecological shops. The Association for Sustainable Development, which has its headquarters in the school, comprises people who most actively want to solve the problems in their area, and work to improve quality of life while respecting the local cultural and natural heritage.

Context

Zawoja Przyslop is a village at the foot of Babia Gora mountain. Residents were inspired to develop environmental projects by an ecological windmill erected by Father Wilk from a nearby monastery. The 'Model Eco-Friendly Hamlet' project, carried out by the Association for Sustainable Development in co-operation with the Barefoot Carmelite Monastery, aims to create a modern hamlet using renewable energy, in which the residents save water and energy, separate and recycle all their garbage, and create a clean environment, while bearing in mind their traditions and their roots. Based on pre-existing ecological investments (wind power stations, school-time garbage clean-ups, solar panels and hot air pumps), a plan was developed to introduce this sort of innovation to individual households. The first task is to identify the most forward-thinking 'good householders' and encourage them to change the heating systems in their homes. Once they see the economic advantages of the changes, the idea is that the pioneering house-owners inspire others to do the same.

Current situation

The building of a wind power-station in 1993 changed the hamlet's destiny. The residents created the Association for Sustainable Development in the year 2000. The idea of an ecological hamlet was already known in Poland and around the world, and the development and transfer of these ideas to other locations is quite possible. Zawoja Przyslop's leader wants to spread such activities

A small rural community is revitalised.

around the whole region and even create an organisation called 'The Small Hamlets of Great Europe.' Association members find sponsors for the project development. The residents cover the costs of guests who arrive for consultation purposes of a given project. People largely work as volunteers, but the creators of the project and census takers are paid. It is worth emphasising that with the school saved, the teachers could keep working and earning.

The benefits

Society. People get socially engaged, local residents have activities, the school is maintained, teachers keep their jobs, and children can learn in a friendly, intimate atmosphere close to home. The greatest drawback is that it clearly divides the residents into two groups: active and passive, which can divide rather than unite the society.

Environment The scheme promotes environmental defence and saves water and energy, by introducing sustainable energy systems.

Economy. The cost of the ecological installations is recouped over time, the children don't have to pay for transport to school, and the school earns lots of money at the festivals. Some of the active residents sometimes get one-off payments, if, for example, they come up with a project.

The experience

Involvement in activities which result in the positive development of the village.
Being part of a pilot project which can spread to the whole region.

Design challenges

Improving access to and implementation of the ecological system to produce energy and manage resources.
Developing marketing.

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Estonia, Tallinn

Mööblikom - Furniture re-designing studio

By Mööblikom
www.mooblikom.com

Solution

Mööblikom is a shop where people bring their old furniture to be given a new look and find a new owner. The shop sells both bespoke and ready-made furniture, all made from pieces that would otherwise have been thrown away, and also repairs furniture. The pieces are mostly from the 1960s or before. The main motivation for the founders is environmentalism, but they also make a small profit.

Context

When people move into a new home, they often cannot use their old furniture but it may be perfectly suitable for other people. The aims of the project are to wake people's consciences, and make them think more deeply about how they live. Basically it costs the same to restore an old chair as to buy a new one, but by saving one chair you also save the materials for the new, now un-needed, chair.

Current situation

Mööblikom started in December 2002, and believes it is unique. It would like to expand, and take advantage of the increase in environmentally friendly thinking, as well as consumers who want something a bit different. Any profit comes from the sale price, minus time, service and materials. Mööblikom has 50 to 100 clients in a month, with more in the summer and fewer in the winter.

Old furniture is given a new lease of life.

The benefits

Society. This service promotes the creative re-use of goods, meanwhile developing, and maintaining, craftsmanship skills.

Environment. Recycling old furniture reduces consumption of new furniture and increases a product's life cycle.

Economy. The cost of restoring old furniture or buying a restored one is similar to buying a new one.

The experience

Pleasure of finding a unique, even personalised, piece of furniture.

Design challenges

Developing the skills to re-manufacture furniture.
Spreading the culture of creative re-use.
Designing furniture that can be restored and re-configured to the people's taste.



Juta is a 25-year-old lawyer, who found out about this service by chance. She needed a new bed with unusual dimensions, in a particular colour and for a good price. Mööblikom was able to make her just the right bed! She finds Mööblikom a brilliant solution because she got something 100% right for her and unquestionably unique.



Inhabitants improve living conditions in their neighbourhood.

The Netherlands, The Hague Neighbourhood Shares

By The International Institute for the Urban Environment (IIUE), NV Woningbeheer and the department of Nature an Environmental Education of the City of The Hague
www.urban.nl

Solution

Residents have taken over responsibility from local authorities for certain maintenance tasks in their neighbourhood. A residents’ association decides, together with the local authority, what work needs doing, formulates projects and organises them among local residents. The local authority pays the association or group that takes on a project work. The local authority and environmental organisations give residents practical advice while doing a project.

Context

The idea of resident involvement emerged from a discussion group called the Denktank (thinktank). This panel of resident and local authority representatives continues to have monthly meetings where they share ideas about how to improve the neighbourhood.

Current situation

In the first half of 2004 the planning of Neighbourhood Shares started and, in autumn, the first activities were organised. It was initiated by the International Institute for the Urban Environment, NV Woningbeheer (a company organising communal maintenance projects for houses in private ownership) and the department of Nature and Environmental Education of the City of The Hague. It is one of the first examples in the Netherlands of such an initiative being taken on a local level.

The benefits

Society. Residents are stimulated to take care of their own neighbourhood, to start initiatives themselves and to actively create a nice and positive environment to live in.

Environment. By tending gardens and tidying streets, the project has made this part of The Hague a more pleasant place to live. In addition environmental awareness is created.

Economy. The system saves money for the community. As well as the responsibility for neighbourhood maintenance, the local authority also transferred the municipal budget reserved for these tasks to residents’ associations. A neighbourhood maintenance fund has been created which is managed by the residents; shareholder meetings decide how to invest the money in upgrading the neighbourhood.

The experience	Design challenges
Pride in maintaining the beauty and cleanliness of the neighbourhood.	Creating a technological platform for sharing tasks and managing activities.



Villagers improve their living circumstances and the health of local social networks.

The Netherlands, Hoogeveen

Nieuwlande – Villagers active involvement

By Local Interest group, 'Plaatselijk Belang', and Municipality of Hoogeveen
<http://members.lycos.nl/vandersleen/index.html>

Solution

The aim of the project was to improve living conditions in the village. As a result of consultation among the villagers, and the formation of a committee, the village became a nicer and better-organised place to live. Eighty per cent of the residents participated in a survey, conducted by the inhabitants themselves, to describe assets and suggest improvements. A consultation group was started, and workgroups that discuss various problems came up with solutions. A 'village development plan' was subsequently established as the basis of ongoing collaborative projects. In principle, all inhabitants (ca. 1300) are now involved in planning and maintenance work.

Context

Nieuwlande is a small village in the east of the Netherlands. Its residents did not have much contact with each other. After the area's administrative boundaries were re-shaped, Nieuwlande became part of the municipality of Hoogeveen; this gave residents hope for some improvement in their village. But after four years nothing had changed; then the Local Interest group 'Plaatselijk Belang' took the initiative to send an angry letter to the municipality of Hoogeveen.

Current situation

The development plan was established in 2002/2003, and is working well because of a high level of resident participation in Nieuwlande. The results of the plan are visible, and validated by the winning of an international award. Each solution that comes out of the workgroups of the village development plan has to be approved by the municipality of Hoogeveen, which then provides the funding if necessary.

The benefits

Society. Residents gain both as individuals, by feeling more involved in what goes on in their town, and by feeling they can make a difference collectively to the future of their town. Because so many people are involved, communication in the village has improved, creating a better village to live in.

Environment. All the inhabitants are now aware of any community problems, and the sense of responsibility towards the environment has strengthened.

Economy. Because the inhabitants, not the local authority, explore and articulate solutions for actual problems, what gets done is always both necessary and approved by the entire village. This makes the decision process a lot more efficient, saves money, and reduces the number of wrong decisions, thanks to the extensive research undertaken by work groups.

The experience

Pride in improving living circumstances in their village, maintaining it and being involved in deciding about the development of the village.

Design challenges

Creating a platform for sharing ideas and expressing opinions, also involving the young people living in Nieuwlande.

Authors

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people



village



shops



facilities



Intergenerational house sharing helps students find cheap, family-style accommodation.

Italy, Milan

Prendi a casa uno studente – Lodge a student at home

By Associazione Megliomilano and Provincia di Milano
www.meglio.milano.it

Solution

Megliomilano realised that independent elderly people could provide young students with low-cost accommodation in exchange for a little household help. A campaign generated a lot of offers from elderly people who had at least one room free in their house; many students also submitted requests. A psychologist was employed to visit the houses, interview students and elderly people, and match the two together. Megliomilano keeps track of everybody involved through weekly feedback, gives both parties free legal assistance and support from a psychologist and organises monthly meetings with all users of the service.

Context

Large European cities like Milan have a huge demand for student accommodation; in 2003, nearly 20,000 places were needed in the city. An increasing number of elderly people living alone need a little help with everyday activities. In addition, room prices in Milan are some of the most expensive in Italy, forcing students to live in nearby cities and to commute to college. As the Milan universities cannot offer a solution to these problems, students often decide to study somewhere else, and Milan loses out both culturally and economically. Meanwhile, increasing numbers of elderly people need help to live independently in their own homes.

Current situation

Megliomilano's campaign was launched in June 2004. A pilot project of the first 12 intergenerational house-shares started on November 2004, in collaboration with the Politecnico di Milano. Intergenerational house sharing had already been successfully developed in Piacenza and Como, two small towns in Italy. The problem in Milan is on a different, much bigger, scale - similar to Barcelona and London which run similar schemes.

By 2005, 30 intergenerational house-sharing cases were under way, all monitored weekly for feedback. The cost per room varies from 150 to 250 Euros per month, paid directly to the house owner. MeglioMilano provides the resources, with a little funding coming from a private company. As the service is still at the pilot stage, there are not yet any financial figures to study.

The benefits

Society. The service gives an immediate solution to two big problems in Milan: the lack of accommodation for students and the need of company and a little assistance for elderly people living alone. At the same time it reduces the generation gap, and provides new ideas for dealing with problems of elderly people. Two problems are emerging: sometimes the elderly people are using the students as nurses, which was never the aim of the service. A female bias is evident: elderly people look for female students, and students look for female elderly people. This reduces the opportunities for males, both elderly and students.

Environment. Reducing the number of student commuters has the potential to reduce traffic, pollution and overcrowding on public transport. Sharing of buildings, rooms and facilities reduces the need for heating per person, and produces a more efficient use of the buildings.

Economy. There are clear economic benefits for both users of the service: The elderly people get financial and practical help; while students get access to low-cost rooms and so can afford to live and study in Milan and enjoy the cultural life of the city. The providers are currently using funds from the private sector and their own resources, but this will not be enough for much longer.

The experience

For the elderly: to have, everyday, someone to provide supportive care that they can rely on. For the students, it seems like finding a new grand-father or grand-mother.

Design challenges

As populations age, large numbers of households in Europe will contain elderly people who have unused rooms. The Milan system of matching these people with roomless students is one response; another could be a service that enables older people to pool resources in other ways and among themselves, not just with students.



Elderly people use the service because they are tired of living alone. They often need the company more than the money and enjoy having young people around: that makes them feel younger. Young students, keen on social issues, love the idea, especially considering the high cost of accommodation in Milan. There are two main aspects to keep in mind: the elderly people need to remain independent (and can't depend on the students, who are only meant to be giving a little every-day help) and male and female users should both have equal access the service (female students and hosts seem to be the main participants).

How young people live independently, yet communally.

Finland, Helsinki Oranssi – Housing company

By Oranssi
www.oranssi.net

Solution

Oranssi renovates houses for young people looking for a more communal way of living. Inhabitants participate in the renovation from the beginning, and maintain the houses afterwards. Neighbours know each other and are active in taking care of communal maintenance. Oranssi flats are as cheap as the cheapest council flats (for which there are long queues), and residents are allowed to renovate their flat as they wish and to participate in their house community, with its socialising as well as repair and maintenance work.

Members, who must be under 24, need to take responsibility for the work involved and to be prepared for a more communal way of living. The original members have become valued experts in traditional wooden house repair techniques, which they pass on to new residents. Unemployed young people can also get temporary work placements and young carpenters can do their practical training there.

Context

There is a shortage of houses for the young people of Finland. This has come at a time when people are starting to look for more communal ways of living, for company and security. Oranssi emerged in Helsinki during a deep recession about ten years ago. Rents (and deposits) in the city were, as now, very high, with very little ‘cheap’ housing available. Youth employment was, and still is, a problem. In 1990, a group of people, all under 20, began squatting in protest at this situation, taking over abandoned industrial residential buildings, only to be evicted a few days later by the authorities. Eventually, the city offered them two empty wooden houses that had been squatted and needed renovating. In exchange for cheap rents, the group took over the renovation. A system evolved whereby the city offered the group empty residences, and young residents moved in and renovated them. Oranssi became well-known, so numbers grew quickly from 20 to 600.

Current situation

Oranssi was registered in 1990. At the moment it maintains about 80 apartments, with about 110 residents, in Helsinki. The Oranssi Youth house at Herttoniemi has evolved into an open-minded culture centre and a lively meeting point. The group does not want to grow too large or take on any new houses at the moment. There is, however, a new phase planned whereby Oranssi will design and build a new set of houses from the ground up. The Oranssi association is run by one paid staff member and volunteers, and is financed by RAY (a gaming association raising funds for social organisations). Oranssi Housing Ltd is a private

registered firm that owns all the residential buildings and handles the rent contracts. Residents pay for their own renovations while Oranssi Housing pays for the larger collective renovations and maintenance.

The benefits

Society. Young people can afford Oranssi housing and are not therefore threatened with homelessness or cold, isolated council living. Unemployed young people can get work placement experience on a renovation site and learn valuable skills. Helsinki residents are inspired by the members’ active participation to create their own opportunities.

Environment. Residents, neighbours, and others learn the value of older buildings, especially wooden houses, and members learn important skills, such as construction techniques, alternative energy choices, etc. The material waste is reduced. One problem is that Oranssi is perceived as too marginal and ‘hippie’ by more conservative, older members of society.

Economy. The residents learn the direct relationship between cost and value: ‘The more you do yourself the cheaper your rent becomes’. Cheaper rents and employment opportunities mean fewer social security payments. The return on investment is very high, as the buildings gain in value when renovated and maintained to a high standard. The city authorities benefit as they do not have to cover the cost of renovation or demolition. Challenges in the future may be retaining the renovation skills needed, and attracting and retaining those with a good head for business.

The experience

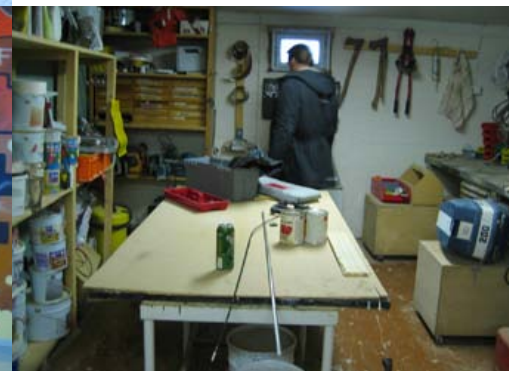
Participants learn how to live independently from the family but surrounded by people willing to create a community. People also learn how to restore and mend their own home.

Design challenges

To develop services to encourage more people to build or restore houses themselves.



The Oranssi philosophy:
 'If it isn't broken it shouldn't be fixed, but if it is broken it's most likely possible to repair it'. The success and failure of Oranssi will depend largely on the key people involved in the organisation.



Chaudhury jurevilljast.

Varem di kirjast, mülline kaup, mis
talust pärit, kuid enam nola pole.

Mõni aord lüga kallid.

See ei ole uõ. pop. ma teeksin nola kü
võ. uua.

Võis olla teadlikumalt võlpe praaditud.

Iga aadela algus saadavad isik meeli
oma praaditud kaubaga.

Kõikides sai arutatud, kuid need enam ei
oleinud. Põhikülles, penespendage lidans.

Kad on suvatatud porgandi loastud.

Süsteem toimib nuidu päris hästi.

Drubis võis ehk olla arutatakse, kuidas
ise aord üle eadress

Kahva saab maasta rohe aatle võt arvoga

IL PM
MS MC
PVDN
OBL

eating

questo è atteso in stagione
 solo per un mini 'zo
 no è nato a metà
 anno-



EVERYTHING IS CAREFULLY AND
 ECOLOGICALLY PACKED INTO
 HANDY BOX

People living in a town access high-quality organic food directly from producers.

Italy, Milan

Biomercatino – The Little Organic Market

By VAS Verdi Ambiente e Società
<http://vaslombardia.org>

Solution

Biomercatino is a street market that gathers together small local organic producers from the Lombardia and nearby regions. Around 45 stands of producers and retailers sell certified organic products like vegetables, fruits, cheese, sausage, honey and olive oil. Crafts, non-treated cotton clothes, herbal products and books about culinary and natural medicine are also sold. The stands, of all shapes and sizes, are assembled by the retailers who must also clean the area afterwards. VAS, an environmental protection association supporting a healthy and environmentally responsible lifestyle, promotes the market by co-ordinating the work of producers, retailers, artists, craftsmen and volunteers. It also obtains the necessary permits from the public administration, supervises the market and communicates the initiative to the public by sending press releases to newspapers and radio stations.

Context

Biomercatino came from an initiative by VAS Lombardia in reaction to the increasing threats to food safety, like the introduction of genetically modified seeds, the use of pesticides and the monopolisation of food production. Its aim was also to put producers and consumers in direct contact to encourage trust and shorten the food chain.

Current situation

The monthly Biomercatino started in April 2003. Today it is in a phase of optimisation, and is increasing the direct involvement of local institutions; it is also increasing its range of products and services, adding value to the existing goods and helping spread the values of the initiative. It is searching for partners in order to become a larger operation, selling the complete range of food requirements. VAS doesn't have the resources to put forward new ideas and identify improvements all that effectively. In general, Biomercatino is trying to refine its management system through the implementation of a database, more efficient communication and the possibility of using paid labour to organise the market, despite the current model of volunteer work.

The benefits

Society. Biomercatino promotes an urban healthy lifestyle by enabling city inhabitants to be better informed and to buy organic and safe food directly from farmers. It also contributes to the survival of local producers, promotes a conviviality not found in city supermarkets and re-connects city and countryside.

Environment. The production of organic food, avoiding the use of genetically modified seeds and pesticides and following organic and seasonal cultivation techniques, reduces pollution, preserves the landscape and safeguards biodiversity. As all the food in the scheme is grown locally, the reduction of food transportation radically reduces the environmental impact of the food chain.

Economy. The market, which gets only minimum support from public institutions, provides a new and alternative retail channel for small organic producers and retailers. Farmers can earn more for their work and consumers can find organic food at competitive prices compared with other specialist shops or supermarkets.

The experience

Knowing and trusting the producers met in the farmers market.
 Improving personal knowledge about food products and using it to make the best choices.

Design challenges

Creating places and circumstances to enable farmers to sell their own products.
 Creating multi-channel and multi-media communication platforms to connect producers and consumers directly to each other.
 Designing dedicated packaging and logistics to be used in the network by small producers.



'How is it possible to be sure about the seriousness of organic production? By visiting the actual places of production, which is possible if you get to know them in the Biomercatino'



Fresh mineral water and organic food are delivered to the home for a reasonable price, while helping small producers of quality food sell and deliver directly.

Poland, Strug Valley and various towns

Chmielnik Zdroj Ltd – Alfred food and drinks delivery

By The Agro-Industrial Association of Strug Valley

Solution

Chmielnik Zdroj company helps the people of the Strug Valley, giving work to the local people and providing city customers with healthy, cheap, natural products. It buys local products and arranges local people to deliver the goods in a delivery network. 10% of the proceeds go to local charities. It began by distributing mineral water, and in time expanded its product line to include vegetables, fruit, honey, bread, poppy seeds, soups and pasta. The line is expanding to include additional products before holiday periods. Customers place their orders by telephone or online, and the goods are delivered to your home either weekly or fortnightly. The company has two bases and 160 vehicles, with which their products are taken to four provinces (Krakow, Rzeszów, Tarnów and Lublin) and 70,000 customers.

Context

The Strug Valley, around 20 km from Rzeszów, has many small farms using traditional farming methods. There are also mineral water deposits. The region has a high unemployment rate as a result of urban factory lay-offs. The first independent telephone and internet co-operative in Poland came into being here, as a result of co-operation between local self-government and an American foundation. This successful undertaking encouraged further initiatives to be taken up. Chmielnik Zdroj was started to support the development of activity and to combat high unemployment and alcoholism. The Agro-Industrial Association of Strug Valley helped to improve the idea, which provides jobs and promotes the traditional farming lifestyle.

Current situation

What is unique about the Chmielnik Zdroj company service is the distribution of vegetables and other food products all from the same organic source. After expanding its line from mineral water to drinks, juices, fruits and vegetables, semi-finished products like poppy-seeds, and prepared products, like bread, the company is starting to produce some of the products. For example, there is now a bakery next to the company, and the zurek soup, which used to be made outside the region, is now made within it. The goods are paid for on receipt. The distributors receive a steady wage, increased by a commission, paid by Chmielnik Zdroj, depending on the quantity of the quota reached. In periods where the demand is lower, the number of people employed stays the same, doing work, for example, in water production.

The benefits

Society. Guaranteed employment for people living on farmland, support for traditional and healthy methods of making food, and promotion of its advantages. The dialog with clients through the shippers bringing the goods improves the services by knowing customer needs, and the system stimulates entrepreneurship and helps the development of other forms of village efforts, such as agro-tourism, eco-tourism and handicrafts.

Environment. It supports traditional country lifestyles, as well as traditional produce growing and animal breeding with no chemical agents, and on a small scale. It also promotes natural products made in a traditional way, such as honey, which also encourages the delicate eco-system to flourish, as the bees pollinate the flowers. The consumption of fresh seasonal food reduces the need of energy for cooling and freezing.

Economy. The service is often used by families for its easy and quick access to essential products. The prices are competitive with the shops, as the number of middle men is reduced. Even if the prices are similar to those in the shops, Chmielnik products have the advantage that customers know where they come from and that the quality is good. The company receives many orders for mineral water. Their work and consumers can find organic food at competitive prices compared with other specialist shops or supermarkets.

The experience

The luxury of receiving food to your home, and feeling confident about its provenance.
Being in touch with the surrounding region and getting the best from it.
Pleasure of eating 'out of the box', and selecting food according to quality and seasons.
Behaving ethically.

Design challenges

Creating multi-channel and multi-media communication platforms to connect producers and consumers directly to each other.
Designing dedicated packaging and logistics to be used in the network by small producers.



People experience the value of biodiversity in food chain.

United Kingdom, Dumfries and Galloway, South Scotland Cream o’Galloway dairy farm

By Cream o’ Galloway
www.creamogalloway.co.uk

Solution

Cream o’ Galloway Dairy Farm is an organic dairy farm launched to increase biodiversity and enhance visitors’ experience. It produces a small quantity of high-quality organic product: it makes ice cream from the milk and opened the farm to the public to educate people on sustainable farming and quality. It also produces some of its own electricity via a community windmill which generates 15kWh, recycles all farm and tourist waste, composts food scraps for use as fertiliser. It has a strong believe in reusing by repairing, and goes out of its way to source recycled materials. The farm gives visitors information about the business. There is also an excellent adventure playground (inside and out) for children, built by the farm workers.

Context

In 1992 the owners of this family dairy and stock farm met and decided that in order to secure the future of the farm and the four families living there, moves needed to be made to diversify and add value to farm produce. They realised that intensive agriculture was continuing in a way that could not sustain itself. At the time farming was heavily subsidised by the government. Now farmers face charges for over-production.

Current situation

The visitor centre and the sustainable model is one that could easily and effectively be implemented elsewhere. The visitor centre shows how sustainable and organic farming and can be beneficial, how it works and how to provide excellent customer service. Plans for the future include diversifying into organic lamb and pork and joining with other farmers in the area to run a cooperative abattoir.

The benefits

Society. The Cream o’ Galloway dairy farm educates people about the importance of biodiversity, organic faming and quality of food. It’s done in a fun way, providing the visitors with a pleasant experience around the farm, the countryside and the method of food processing.

Environment. The farm produces milk according to the organic scheme and it has created woodland areas without the use of pesticides. It also produces part of the energy needed and has recycling/ waste treatments.

Economy. The courage of such quality rural entrepreneurship brings indirect support to such small, local based, activities, encourages the public towards more conscious and quality consumption. The local economy of the area benefits from the visitors coming to the farm.

The experience	Design challenges
For the farmers, the pride of carrying on traditional work, and rediscovering its importance. Discovering traditional products and food from their original environment, while making an ethical choice.	Designing services, events and places where the local traditional products are presented. Develop marketing.



'It is a very stressful business to run as they are constantly trying to improve what they do in a society obsessed with cost and profit...'



1992, husband + her met + decided to diversify farm. this family farm. 4 families relied on farm for living. husband saw that farming was changing. Post WWII was heavily subsidised as gov. wanted Britain to be able to feed itself incase of another war. Intensive farming more + more but couldn't sustain itself. Eventually decided on making ice-cream from milk + opening farm to public. Decided to go for quality not quantity by going organic.

How people buy quality, ethically produced food directly from producers.

Italy, Milan

GAS Gruppo d'Acquisto Solidale – Group purchasing organisation

By GAS Lambrate
www.retegas.org

Solution

A Gruppo d'Acquisito Solidale (GAS) consists of a group of people with the same beliefs in sustainable and ethical consumption who decided to collectively buy large quantities of essential basic products such as pasta, olive oil, from small local producers and distribute it among themselves. In this way, shopping is both cheap and convenient, and provides the satisfaction of knowing where the products come from, that they're supporting small producers of quality products and respecting fair trade by paying the right price. There is no additional cost for packaging or advertising products and logistics are optimised. The group meets regularly to decide which producers best fit their selection criteria of benefiting both producers and users. A list of products and quantities is organised and, based on this, the group orders the products directly from producers.

Context

Conventional models of purchasing food do not show how it is produced and distributed, or give any guarantees of respect for human rights and the environment. Consumers are increasingly dissatisfied by the products offered by large distributors such as supermarkets (which normally exclude small producers from their trade), and are looking for quality, transparency and traceability. They would like to actively find out about the background of the product rather than being a passive consumer. Consequently alternative forms of shorter supply chain are emerging.

Current situation

GAS was initiated in 1994 and is still developing. The Milan groups are slowly increasing, but are still limited in number as they develop locally, mainly comprising friends sharing the same vision. They want to make sure that each new group has the same values as the first and, considering that people have different points of view or values, the concept is hard to spread rapidly. They don't want to dilute the core values of fair trade and human rights.

GAS is an informal association, with members doing their part voluntarily without a specific set of rules, but with responsibility and with respect for others. Also inside the groups, all the processes and developments are discussed in a relaxed atmosphere, with all opinions considered.

There is no strict organisational structure, and it runs on a family-friend basis, where all the costs are shared evenly and accordingly. Members place their order through email/phone and pay in cash.

The benefits

Society. Being together with friends in a relaxed atmosphere, discussing which product to buy that fits the group's objectives of avoiding exploitation, and being high quality and of known origin, generates a feeling of satisfaction. The small number of people in each group makes communication easier.

Environment. There is less packaging waste, less need of energy for cooling and freezing (food is fresh and seasonal) and less pollution from delivery, as the products are bought in bulk. Some of the products are organic so benefit the ecosystem.

Economy. A side-effect of GAS's action is improvement in family economy, because of the economies of scale in buying food. It also helps small local producers to survive, giving them an alternative distribution channel to the supermarkets.

The experience

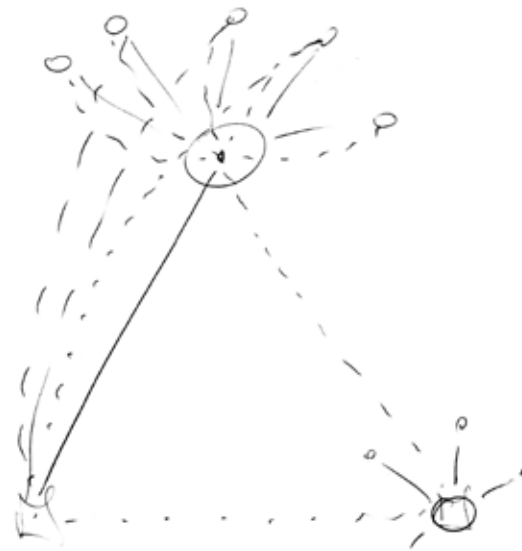
Regularly spending time with other people to discuss products and producers.
Finding new farmers and products to include.
Behaving ethically.

Design challenges

Creating multi-channel and multi-media communication platforms to connect producers and consumers directly to each other.
Creating a platform of technical services to support local small farmers and food producers.
Designing dedicated packaging and logistics to be used in the network by small producers.

Authors
Politecnico di Milano, Italy.
Luigi Boiocchi, Annjosephine Hartojo

GAS members tend to be well educated and politically active. These intellectually engaged people have decided to go against the current mass-market trends and face consumption problems in an alternative way. They try to act on their principles to reduce exploitation, pollution and global consumption by meeting with friends and neighbours once a month to work out where to buy basic goods and how to distribute them to reduce environmental impact. The message they want to spread to society is to pay attention to what we buy.



Fresh, organically grown, reasonably priced vegetables are delivered to the door, together with recipes, and opportunities to visit the farm.

Germany, Cologne, Bonn & surroundings

Gemüseките - Vegetable Box

By Apfelbacher Gemüseabo
web site: <http://www.bioland-apfelbacher.de>

Solution

The Apfelbacher Gemüseките delivers a box of local vegetables and fruits weekly, giving several options: a basic assortment with only vegetables, one with additional fruit, a single box and a family box. It is also possible to order special vegetables and fruits, bread, cheese and tinned meat. The basic vegetable box costs about 12 euros. The products are fresh and seasonal, and grown locally. Customers are often surprised to find unknown vegetables or fruit in their box: products that they would have never bought otherwise, because they don't know how to prepare them. For this reason, a list of recipes is included in the vegetable box.

Context

It is quite difficult to buy fresh, organic vegetables and fruit for a reasonable price in big cities. Moreover, the existing markets do not offer vegetables and fruits that don't assure the shop a certain profit, or that are not easy to grow or handle. This reduces awareness about food varieties and leads to the loss of knowledge about traditional 'grandmothers' vegetables'. The Gemüseките service was conceived to address these issues.

Current situation

The project was started in 1995 by the Apfelbacher family, a couple of farmers adopting ecological methods of production because of a deep belief in sustainable growth. Today the enterprise employs, in addition to the owner, between two and five for farming and managing the service, and has around 400 clients. In the Cologne area there are two organisations offering similar services, but the Apfelbacher Gemüseките is the most experienced and most organised. Without any marketing or advertising, Apfelbacher Gemüseките is still growing, showing that customers do want organic quality food.

The benefits

Society. The service fosters awareness of tradition, taste and the natural seasonal availability, and has made people realise that organic food can be affordable. The Apfelbacher family also helps to spread knowledge of organic farming and its importance for sustainable development by inviting primary school classes for visits to the farm.

Environment. The production of organic food, avoiding the use of genetically modified seeds and pesticides and following organic and seasonal cultivation techniques, reduces pollution, preserves the landscape and safeguards biodiversity. As all the food in the scheme is grown locally, the reduction of food transportation radically reduces the environmental impact of the food chain and reduces the need of energy for cooling and freezing (food is fresh and seasonable).

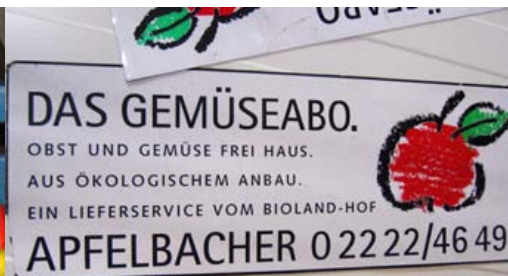
Economy. The case study demonstrates that ecological production can be economically sustainable: 20 years ago, when the Apfelbacher family started farming organically, there were about 30 other small farmers surrounding of the village. Today only the Apfelbacher family (and one extensive farmer) survives, thanks to the high quality of the products and the creation of a direct, innovative link to the consumers.

The experience

The luxury of receiving food to your home, and feeling confident about its provenance. Being in touch with the surrounding region, getting the best from it.

Design challenges

Creating multi-channel and multi-media communication platforms to connect producers and consumers directly to each other, and to network producers. Create a platform of technical services to support local small farmers and food producers. Design dedicated packaging and logistical solutions for small producers in the network.



Camilla orders on the farm website, and the farmers prepare a box with the vegetables and fruits that she asks for.



Weekly, one of the farmers travels with a little truck around the city to deliver the boxes for the clients.

If she is not home, the box is left in front of her apartment.

People who love cooking use their skills to cook for a larger group.

The Netherlands, Oosterhout NB

Huiskamerrestaurant Schuif 's Aan – Living Room Restaurant

By Maaïke Hengel, Wouter Hengel
<http://home.planet.nl/~huiskamerrestaurant>

Solution

The 'Living Room Restaurant' provides people the opportunity to go out, have a good but affordable meal and meet other people in a home setting. After reserving a place via email or phone, people can come and sit at the host's dining table. After a short chat between all the guests, dinner is served, comprising two appetizers, main course, dessert and unlimited drinks. Guests can choose the background music and help with cleaning the table between each dish. The hosts sit at the ends of the table and switch places between courses so they can talk to everyone there. The evening lasts as long as the guests and hosts want, and costs 15 euros.

Context

Many older people are cut off from society, and often miss being able to cook for and entertain their children and family, once the children leave home. The people who started the scheme want to make friends, be socially active and create a support network. They love to cook and want to offer a cheap alternative for people who like to go out to dinner.

Current situation

Maaïke and Wouter started the initiative in February 2005, and other similar "restaurants" have also started recently.

The couple will keep going with the project as long as they like it, they are quite happy with the current set up and are not looking for any changes or expansion.

The benefits

Society. The Living Room Restaurant's benefits are mainly to individuals, rather than groups, as it enables people to make new friends. The evenings are arranged in a way that almost nobody knows each other at each party.

Environment. There are no significant benefits to the environment.

Economy. The hosts make no profit, but nor do they make a loss. Most of the benefit is on a social level. They shop in regular supermarkets and they do not need a restaurant licence as it is a small-scale initiative.

The experience

Demonstrating one's own skills and capabilities.
 Meeting new people with an open attitude in a cheerful environment.
 Being pleasantly surprised by the culinary ability of neighbours, and discovering their home.

Design challenges

Creating access to people's experiences in a living room restaurant, so that others can start their own living room restaurant.

Authors

TU Eindhoven, The Netherlands
 Ivo Stuyfzand, Eric Toering, Mathijs Wullems



People interested in a healthy lifestyle and preserving the environment obtain organic food from local farmers, and also support their production.

France, Paris

Les Jardins de Cérès – Cérès's garden

By Les Jardins de Cérès, Association
www.jardins.ceres91.net

Solution

Les Jardins de Cérès is a consumer group which wants local farmers to produce food organically. To do this, the group orders the produce in advance, before it is even planted, and guarantees to buy the crop. The association is inspired by the AMAP (Association pour le Maintien d'une Agriculture Paysanne) system, well known for some years in southern areas of France. An AMAP is basically a group of customers (organised by the farmer) who buy goods from one particular farm. In this system the customers adjust their demand to what the farmer can offer seasonally.

Members of Les Jardins des Cérès have persuaded a cereal farmer, with about 250ha, to use one part of his farm to grow organic potatoes – the simplest crop. The members of the association help the farmer during the process – they cleaned the 400-year-old cellar and created storage places, and helped plant, tend and harvest the potatoes – and in doing so develop a close relationship.

Context

Palaiseau is a small town in the suburbs of Paris, which has becoming more and more built up, with shopping malls and industrial areas eating into farmland over the past few years. Several groups formed to protest against these developments. Isabelle Morgan, living in Palaiseau, joined a demonstration organised by a group campaigning against the construction of a new shopping centre on a huge stud farm. She realised that just protesting was not offering any solution, so she contacted existing associations to increase the impact of their actions. During this process she heard about the CSA (Community Supported Agriculture) in the USA and saw the model as a solution to the problem. Looking for similar organisations in France the group found the AMAP. After contacting several farmers in the region, Isabelle and her friends met Emmanuel Vandame, a farmer willing to try such a venture

Current situation

Les Jardins des Cérès was founded in December 2003. For the first year of its existence its 150 members ordered a batch of three tons of potatoes, which were grown on the Plateau de Saclay close to Palaiseau. The process created a social network, where people share their environmental convictions, experiences and ways of life. The farmer was paid in three parts: first third in advance to pay for the plants and the tools; the second third half-way through production, and the third part when the potatoes were harvested. The price for one kilo was evaluated in advance by taking the average price of organic potatoes. The association doesn't get any external financial support.

The benefits

Society. Through creating a direct producer/consumer link farmers get to sell their products for a good price and work under better conditions, and customers can buy high-quality locally produced products for a good price. By improving the economic situation of the farmer these organisations may well slow down the industrialisation of the countryside. The members very much enjoy the social network, and are very aware that the project needs social connections in order to work. Knowing the producing farmer is also a benefit for both consumer and farmer.

Environment. The project offers an alternative to industrialisation in the area of Palaiseau, while supporting and developing local organic agriculture. By offering the farmer a good price for his produce the association enables him to earn a living, so he is not forced to sell his land for development. The project supports keeping green areas around the town. The farmer, who used to only grow cereals in a conventional way, is now interested in expanding organic cultivation step by step. Also, by promoting a direct producer-consumer-link the association reduces the distance produce is transported

Economy. Any economic benefit in the first year was mostly for the farmer, as the association paid the 'shop-price' for the potatoes to help the farmer buy the necessary tools, get to know the organic process, etc. Over the coming years they will steadily decrease the price so that consumers also benefit economically.

The experience

Supporting a local farmer in using natural methods of cultivation.
Being in touch with the local area and getting the best from it.
Taking part in the farming activities, and getting back to nature.

Design challenges

Creating multi-channels and multi-media communication platforms between producers and consumers.
Designing dedicated packaging and logistic solutions for a network of small producers



Not satisfied by his work through conventional farming methods, Emmanuel Vandame, the farmer, was close to closing his business. With the project he saw a chance of making his living without subsidies from the state, working in a more human context and helping him try organic farming. 'We are going to double the cultivation area ... community-supported agriculture is on its way.'



Local food from small local producers is delivered to the home thanks to a shared van.

United Kingdom, Skye, Scotland Local Food Link Van Group

By Skye & Lochalsh Food Link Van Group
www.foodlinkvan.co.uk

Solution

Local Food Van Link, in association with other groups, helps increase local food production by distributing produce around the local community. Skye and Lochalsh Food Link is a voluntary association of local producers, caterers, retailers and consumers with an interest in promoting fresh, locally produced food. A shared van links the network and distributes local produce all over the island. The group was initiated in April 2000 by a couple of local producers who decided that rather than delivering every product themselves, they would use a van to drive a set route twice a week, picking up the orders from the producer and delivering them to their customers. By doing so, not only could they save on petrol but also ensure the delivery of local produce all over the island, creating a more sustainable community. The solution both ensures the future of local food producers by distributing their goods, and promotes important aspects of economic and environmental community life and the health benefits of locally grown fresh produce.

Context

Food distribution was made difficult by the large distances between producers, retailers and consumers, decreasing the availability of local food produce on the island. To improve this situation, the food link van was initiated on a voluntary basis in 2000, with a try out period of six months. Following its success, Food Link Skye and Lochalsh was incorporated in 2003 as a non-profit making company to manage the award-winning foodlink van and secure its future as a viable local distribution service.

Current situation

Within the last five years the food link has vastly increased the amount of local produce staying within Skye and Lochalsh from £8,500 to over £60,000. The van group comprises approximately 15 producers and 40 customers spread all over the island. The funding it received in 2003, allowed the group to buy a larger van which enabled them to deliver even more produce and help the van to become self-sufficient. At present, the van runs on Tuesday and Friday, normally between March and October. The customers pay the price of the produce they order, and a 10% levy is paid by the producer to the company. This money is used for petrol, van maintenance and pays the wages of the van driver and the marketing co-ordinator.

The benefits

Society. The Food Link Group aims to build strong sustainable networks between local producers and consumers in order to stimulate local food production. They believe that there are sound economic, environmental, health and community benefits to be gained from sourcing food directly from where it is produced. The Skye environment is said to produce some of the best quality food in Britain, free from pollution, genetic modification and other harmful substances.

Environment. The use of one shared vehicle for a group of 40 farmers clearly minimises congestion and pollution. Detrimental environmental impacts of conventional agribusinesses can be avoided through the promotion of small-scale local production that underpins the notion of healthy and communal living on the island. The consumption of fresh and seasonal food reduce the need of energy for cooling and freezing.

Economy. The scheme's future aim is to both reinforce the notion of self-sufficiency through local produce and increase cooperation between producer and customer on the other. Making such high-quality food available to local people and visitors encourages aspects of local and family economy and ensures the future of sustainable agriculture on Skye.

The experience

The luxury of receiving food to the door, with confidence about its provenance.
The feeling of being in contact with the surrounding region and getting the best from it.
The feeling of belonging to, and pride in, the network.

Design challenges

Creating multi-channel and multi-media communication platforms to connect producers and consumers directly to each other.
Creating technical services to support farmers and food producers.
Designing dedicated packaging and logistics to be used in the network by small producers.
Developing place marketing.



The main benefits of the van, for customer and consumer, are the convenience of delivery, and the strong feeling of confidence among the network participants, trusting the high quality of freshly harvested seasonal goods.



People living in the city get in touch with a farm and provide themselves with high-quality natural food.

Estonia

Natural Food-system near the roads

By Various Estonian farmers

Solution

These farmers sell their products – mostly fresh milk, cheese, honey, vegetables and berries – to passers by on the road. While the drivers started first to ask for some milk or some eggs, now the farms have found their favourite clients (mainly from the city) and in time the drivers have found their favourite farms and products too. As the word spread, buying food at the farms became more popular, and in time the favourite clients have become family friends, who are welcome to see the animals and develop a feeling for farm life. Every customer has to have their own transport and packaging, or they can bring back packaging the farm gave them before. For farmers this selling channel is a needed income.

Context

Half of Estonians live in towns, and often own a summer home or have relatives in the countryside. Commuting to the countryside is done by car as public transport infrastructure is not very well-developed. Tallinn-Haapsalu road is one of the main roads for this kind of journey, and has a lot of farms along it. Farmers in Estonia often have problems with selling their production through wholesalers, because the prices are too low. With this, and EU bureaucracy, smaller farms have stopped producing goods. At the same time a lot of city people are losing their connection with natural lifestyles, and their knowledge about country life and how natural food is produced.

Current situation

This kind of relationship between passing city people and farmers is well established, and a common tradition all over Estonia. But as it started in the Soviet era, the practice was secret and unofficial, and no research has been done into it. Sometimes the farmer and consumers communicate by phone or online, which makes the process easier and enables the farmer to prepare the necessary products.

The benefits

Society. The natural food system brings city and country people into contact with each other. It entertains people of all ages, and gives city dwellers a chance to participate in farm life. It creates a new circle of communication lasting many generations where participants support each other, morally and materially.

Environment. Farms close to big roads can continue farming and make a living. Organic farming by small farmers keeps nature in balance much better than big enterprise activities, and cares for the forests, fields and animals. The products are more natural, less processed and use less chemical treatments, which is very important for nutrition in general.

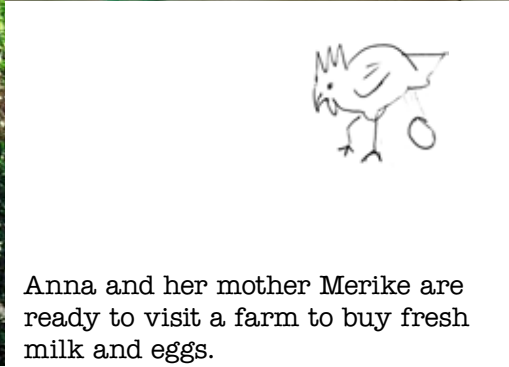
Economy. Economic benefits are evident for both producers and consumers. As it is a shorter chain, with the customer paying the farmer directly, prices are much lower than at the market, but better, for the farmer, than wholesalers. There are also savings on transport, packaging, time, selling points and storage.

The experience

The adventure of visiting the farms, and discovering people and products. The fun of searching for a farmer to buy from. Behaving ethically.

Design challenges

Creating multi-channel and multi-media communication platforms to connect producers and consumers directly to each other. Develop infrastructure and services to support farmers direct selling in the farm. Design a proper communication system along the roads.



Anna and her mother Merike are ready to visit a farm to buy fresh milk and eggs. Anna has a jar for the milk. They are greeted by a family dog. They are taken to where the cows and goats are kept. Anna takes milk from the milk-barrel, where it is put after milking. As well as buying foods, she can feed the animals and get to know the new-born goats. Merike gives in cash for the foods.



People are helped to adopt an ecologically pure and healthy lifestyle, balancing man and nature.

Estonia, Tallinn, Tartu

Õkosahver - Eco-pantry

By Õkosahver
www.sahver.ee

Solution

Õkosahver sells certified organic food via different services and channels. The food box, one of the most popular products, contains 10 different types of food (mainly vegetables, but also honey, bread and herbs) from local organic farms, is enough for the basic weekly needs of a family of four, and can be ordered by phone or online. Subscribers receive e-mails on the content of the food box and, depending on their area, receive the box to their doorstep on Wednesday or Thursday. Õkosahver's mission is to inform the consumer about how eco-food is produced and its advantages. Customers can also buy the organic food at its shop.

The number of clients varies according to season, consumption goes up in the spring, but is around 600 on average.

Context

There are two concepts behind the idea: that many people want to eat natural, locally produced food, even in urban areas; and that small farmers can not compete with huge industrial-scale producers, so it is vital for them to find alternative retail channels. These same producers are often involved in the organic farming movement that started with the establishment of the 'Estonian Bio-dynamic Association' in 1989 (in the Soviet era). Its rapid rise began in 1999, thanks to the growing public interest in organic farming.

Current situation

Õkosahver started in 2003, and runs in two cities – Tallinn and Tartu. It is the first company in Estonia to retail and wholesale certified organic products. The organic food box service is quite a new idea in Estonia, and at the moment is the only example of this kind of initiative in all the Baltic states.

It has connections with seven or eight organic farms, and employs three people. Until the company can afford to employ more people, it will not be able to get more customers. To get more customers, Õkosahver feels it needs to expand its product range, but as the Estonian climate doesn't allow fresh vegetables to be grown all year round, possible expansion may have to use canned food.

The benefits

Society. As organic agriculture takes more physical work and can only partly be mechanised, it provides work for people who otherwise would be unemployed, keeps small farms alive and sustains country life. Õkosahver also, informs people about the benefits of ecological food and lifestyle.

Environment. The production of organic food, avoiding genetically modified seeds and pesticides and following organic and seasonal cultivation techniques, reduces pollution. It also preserves native species and the original landscape, safeguarding biodiversity. The reduction of food transportation from other regions radically reduces the environmental impact of the food chain.

Economy. The solution provides a new and alternative retail channel from small organic producers directly to consumers, which cuts the costs for both. In addition, growing organic food is economically responsible in Estonia, because of the characteristics of the existing farms and countryside.

The experience

Pleasure of eating 'out of the box', and selecting food according to quality and seasons.
Being in touch with the surrounding region and getting the best from it.
Behaving ethically.

Design challenges

Creating multi-channel and multi-media communication platforms to connect producers and consumers directly to each other.
Developing concepts for food-shops as multiservice food points.
Designing dedicated packaging and logistics to be used in the network by small producers.



Typical users of the service are young families with children. After becoming aware of what they should feed their babies, mothers start to pay attention to what they eat themselves. 'Happy vegetables' are also a solution for allergic people, and consumers who want organic food because of their principles. Consumers also like the service idea where a set of basic food products is brought to their doorsteps.



People over 60 raise vegetables and fruit in town, spend time together, and enjoy the open air.

Italy, Milan

Orti del Parco Nord – Parco Nord Vegetable Gardens

By Consortium Parco Nord
www.parconord.milano.it

Solution

Vegetable Gardens is a service provided by a consortium of six local authorities around the Parco Nord park in the Milanese suburbs. Under the Vegetable Gardens participants can rent an allotment very close to residential areas to grow their own fruit and vegetables.

The service is open to pensioners, housewives and the unemployed over 60, and gives them the chance to socialise and enjoy outdoor activities. Users can grow whatever they wish, but have to maintain their part of the garden and look after common spaces. Once in a while they are asked to participate to meetings and training seminars. Rent, on a six-year renewable contract, includes a storage chest, concrete tiles for paths, water, and disposal of non-compostable waste.

Context

Parco Nord is a big semi-urban park very close to residential areas. As many other parks, it suffers from a lack of maintenance, and has huge unused spaces that could be devoted to many other uses. The consortium that manages the park wanted to both solve the problems of the park and find a solution to the isolation experience by many people, especially pensioners, especially in urban areas which lack public spaces or facilities for children, teenagers and the elderly. A few years ago, parts of the railway embankments had been given to retired people to farm: this inspired the idea of dividing up parts of the park to and giving them to potential urban farmers.

Current situation

The scheme started in 1996 and has stood the test of time. It has incorporated lessons learned from the many similar initiatives in Milan and elsewhere in Italy and the world, under which an estimated 200 million urban farmers cultivate for 700 million people. Although the concept is widespread, Parco Nord's system is unusual in having a public competition to be given an allotment. Once a farmer is in, they pay a very low rate (around 26 euros per year) for use of the garden and dedicated services, but they have to buy seeds and plants themselves.

The benefits

Society. Caring for their own garden gives participants entertainment, improved family finances (thanks to the production of vegetables) and the opportunity to remain active and be useful. The social advantages are re-vitalisation of the city, by introducing new day-to-day activities, and regeneration of public space, by managing the public area of the vegetable gardens. The one limit is that it is only for elderly people.

Environment. It creates a well-kept area of parkland near the city, and by producing some vegetables for local consumption reduces the demand for food from further away. It encourages the use of organic home waste as compost and promotes a culture of natural food.

Economy. It improves and maintains the quality of a green area for low cost, and may stimulate small-scale local enterprise: gardening shops, selling or rental of gardening tools, or co-operatives of professional gardeners.

The experience

The satisfaction of growing fruit and vegetables themselves.
Meeting other people with the same passion for gardening.
Enjoying open-air activities.

Design challenges

Creating services and tools to support non-professional farmers and gardeners.
Creating networks for enthusiasts to share experiences and skills.



IL PROGETTO È ATTIVO IN SEI ANNI
IN MESSE CON ANNI '80
QUANDO È NATA LA PRIMA
DEL PROGETTO.



Poland, Krakow, Warszawa Slow food in Poland

By Visana Consulting Group
<http://vcg.pl>

Solution

Working with a group of producers without their own wide-scale distribution network on a wider scale, Visana came up with its own brand 'Soplicowo i okolice', simultaneously creating a logistics and distribution network. Now promoting the idea of 'slow food' Visana trades in organic produce, traditionally farmed. It co-operates with local producers, offering better sales opportunities for their products in exchange for production under the 'Soplicowo i okolice label'. This gives also city consumers access to high-quality products from a trustworthy source.

Context

On one hand, consumer awareness of quality is growing. Visana's target group in Warsaw attaches importance to traditional taste and, with little time for cooking, eats out in restaurants offering regional cuisine or buys ready-made product with 'home-made' associations. On the other hand concern about biodiversity in agriculture is increasing.

Current situation

The scheme, run by Visana Consulting Group, has been going since August 2003. Warsaw is the main market, with Krakow included recently as well, but the target is to cover the whole of Poland. To increase sales, the company may take over co-operative production companies, or investing in new product lines. These would have significant impacts on the profit margin, the prices of raw material purchases, and production quality control. When the company started, shouldered their own investment, which allowed for the basic needs of the company to be paid for. At present, the company is surviving off dividends. Costs include office rental, storehouses, accountancy, staff salaries and transportation (rental costs and petrol). With the opening of the European Union borders and the large interest in Polish food in the West, the company is planning to enter the European market in the space of the next few years.

The benefits

Society. A new lifestyle is created of healthy and traditional food, and consumer awareness and concern for the source and quality of products. In this way Poland is slowly starting to follow the West in supporting small regional food producers, particularly original, traditional and healthy food that are unfortunately threatened with obsolescence.

Environment. Visana's products are made from natural ingredients and grown in environmentally friendly conditions. The soil is fertilised with natural composts, and the fruit and vegetables contain no pesticides. This encourages traditional farming methods with fertilisers that do no harm to the environment.

Economy. There are currently 13 producers, working under the common 'Soplicowo i okolice' brand, and around 40 distributors in Warsaw alone, with all the participants profiting from the co-operative venture. Producers and distributors split the risks and profits evenly. The company is employing more staff, the production firms are expanding, by investing in a machine park, and as confidence grows, new ideas emerge all the time.

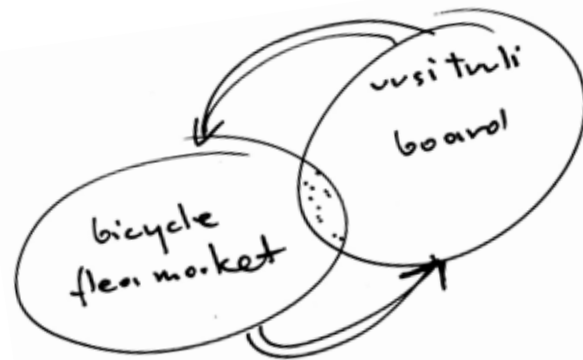
The experience

Rediscovering traditional food.

Design challenges

Creating services, events and places to present and taste local traditional food.
Conceiving a platform of technical services to support local small farmers and food producers.
Designing a visual identity for the brand which still allows the individual producers their own identity.





MEET FRIENDS, SHOPPING ETC.



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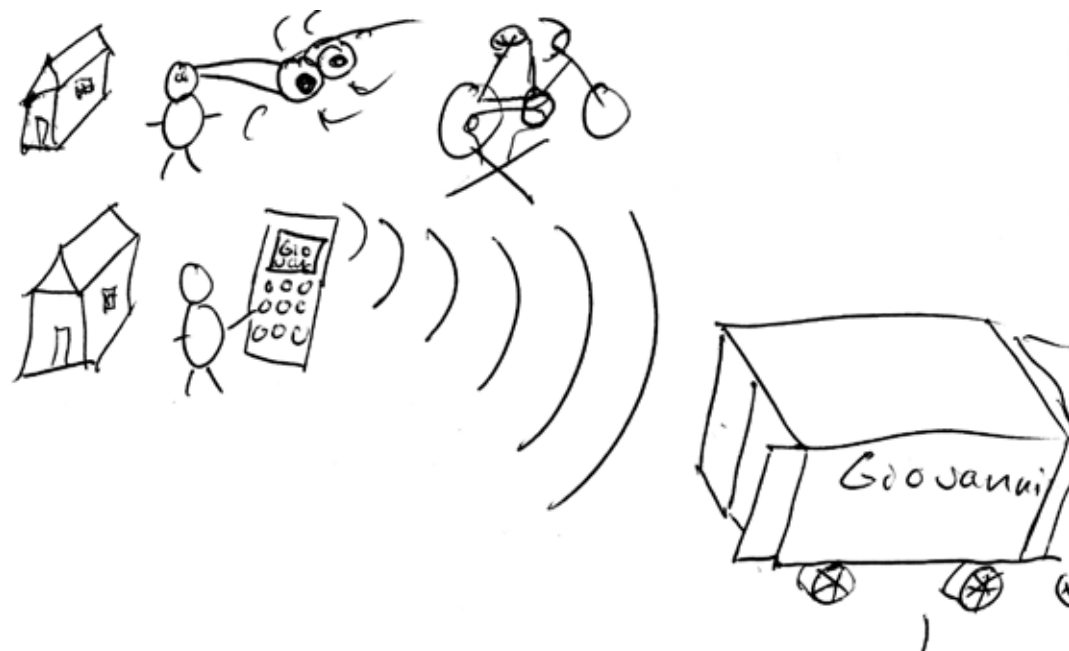
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Bikers learn to maintain their own bikes and are helped to commute by bike.

Italy, San Donato Milanese, Milan +BC Cycling Association

By +BC Association
www.piubici.org

Solution

+BC (standing for the Italian for ‘more bicycles’) is an association of bicycle experts (supported by the Municipality of San Donato Milanese), inventors and enthusiasts who encourage the culture of cycling in the city by supplying services like hiring second-hand bicycles, technical help, maintenance and creativity workshops, parking facilities and bicycle security. It also organises cultural activities and provides consultancy services on sustainable transport. +BC’s services are open to all – there’s no system of membership. The +BC workshops are managed by the users, under the supervision of an expert mechanic.

Context

The scheme is concerned with developing and disseminating innovative models of integrated mobility to reduce environmental, economical and social problems in the city. +BC has two main locations: one in downtown Milan, mainly dedicated to maintenance activities; the other one is at the San Donato Milanese metro station to encourage people to use bicycles instead of private cars.

Current situation

+BC has been running since 2003. The idea of a bicycle station with added services has existed in northern Europe for many years, but in Italy the idea of combining a bicycle parking lot with renting, maintenance, repairing, indoor parking and courses and events is a novelty. The scheme is unique to both Milan and Italy.

The benefits

Society. The solution empowers people by helping them to start using bicycles instead of using cars, and teaching them how to repair their own bikes. Cycling contributes to a better environment and healthier lifestyle.

Environment. Integrating transportation – bicycle and subway – can help solve traffic and pollution problems in large cities. +BC also helps to extend the life of old bicycles by repairing (or teaching to repair) and selling them.

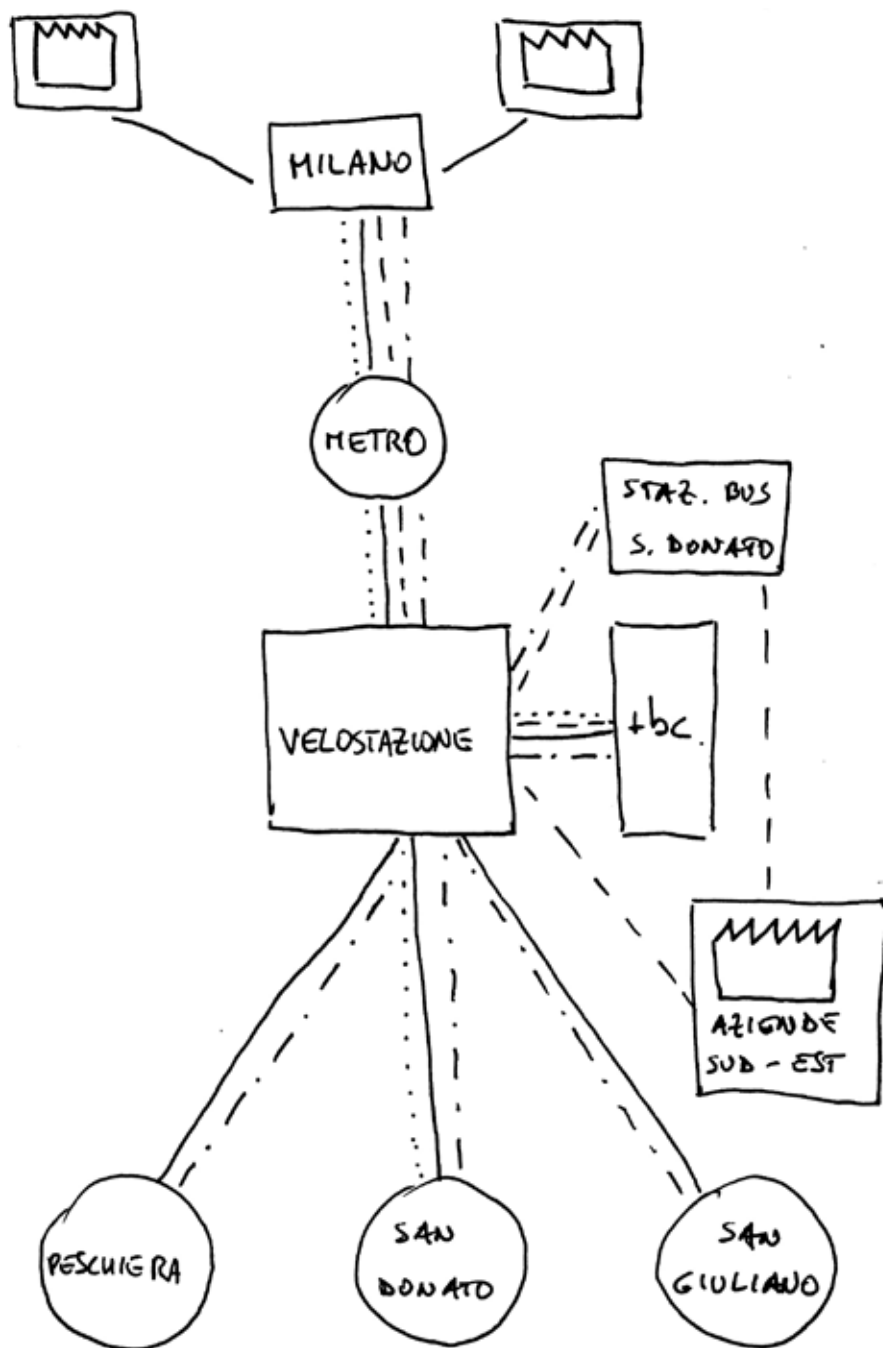
Economy. The service enables users to maintain their own bicycles for a low price.

The experience

Feeling part of a community with the same passion for sport and lifestyle.
Behaving in a sustainable way.

Design challenges

Designing bikes easy to dismantle and re-assemble, and a proper set of standard spare parts.
Creating open workshops where people can undertake repairs supervised by experts.



Giuseppe lives in San Donato and takes the subway to his office in the centre of Milan. Before the existence of +BC he used to drive from home to the metro station by car and always had problems parking near the metro station. When +BC was created, he decided to take part in the service: he picked up his old bicycle from the garage and took it to +BC to be repaired. Now he uses his bicycle instead of using his car, simply leaving the bike in the +BC station.

Children get to school by themselves, enjoyably and safely.

Italy, Milan

Andiamo a scuola da soli – Walking bus

By School of via Bottego, Milan
www.iwalktoschool.org

Solution

The walking bus encourages children to walk to and from school in the safety of a group, under the supervision of one or more adults. Safe routes are created and become a fun part of children's daily routine. They meet their friends, talk and play, and share experiences outside the school. Gradually this builds up the children's autonomy and personalities. It is also good exercise, and frees up time for the parents, who would otherwise have to take the children to school. What's more, it improves children's road safety awareness, improves pedestrian safety, and creates friendlier neighbourhoods as people get out and interact with one another. Finally, it reduces traffic pollution and accidents involving child pedestrians.

Context

Walking bus is an initiative by some teachers at an elementary school in Milan to improve the health and the well-being of children. In Milan, a large part of daily traffic congestion is caused by taking children to and from school by car. However, it's difficult for children to walk on their own, because of unsafe roads and pavements often being blocked by parked cars. The walking bus protects and organises the groups of children.

Current situation

The pilot project began in 2000 and finished in August 2004. Now, the programme continues with volunteers from grandparents, friends and teachers. The system is based on an idea first proposed in the USA and UK, which had the same or other kinds of problems in implementation: little support from the public administration and bad infrastructure. In Milan the solution has been enriched with many activities inside and outside the school, such as cultural and art festivals, board games and art work which have increased the neighbourhood's respect for children and the environment. Nowadays, there are very few costs.

The benefits

Society. Walking to school means that people don't use their cars; this reduces traffic, accidents and pollution, and eases congestion on public transport. On a social level, the system recreates the sense of neighbourhood that existed a long time ago but has been lost in big cities. Developing this system could see schools as promoters of new ways of living, involving the whole community and increasing its responsibility towards children.

Environment. This system reduces traffic jams, air and noise pollution near schools and makes the streets more pleasant to live in. It also reduces fuel consumption, thus improving the environment.

Economy. This solution both gives parents time to do other activities, and saves money on fuel.

The experience

The children have the fun of going to school together on a daily urban adventure. Elderly people who help have the satisfaction of feeling useful in society.

Design challenges

To create communication tools and infrastructures to help children become independent and skilled.

Children are the main users of this scheme, and like it because it gives them the chance to socialise with each other outside school. They would like to adopt the solution permanently, getting more and more autonomy over the five years of school.

Its success is due to the interest from the school's director and teachers and to the curiosity of children about doing new activities with new people. But there are problems: parents are still scared to let children walk to school alone and public administration doesn't support this project.



8:00am
the meeting point in square
Constantino



8:08am
the first children arrive and slowly
the group increases



8:15am
the 'red' group moves



8:23am
the group arrives at school

Finland, Turku Bicycle Flea Market

By Uusi Tuuli ry
<http://www.estelle.fi/uusituuli.php>

Solution

The Bicycle Flea Market repairs and resells donated bicycles. Funded by Uusi Tuuli ry it is run by volunteers, mostly unemployed, who are willing to work for the common good, and want to maintain their repair skills. The flea market began by selling everything, but was not profitable. Pepe, one of the volunteers, came up with the idea of a bicycle flea market which takes donated bicycles from all over Turku, and stores them in a basement before they are either repaired or dismantled for spare parts. Volunteers work two to four hours every weekday. Sometimes they are joined by people sent by the Unemployment Office, who are taught how to use tools and repair bikes, and leave three months later with a new skill. Repaired bikes are displayed next to the entrance. New owners are given a one-month warranty.

Context

Turku, population 170,000, is the cultural centre of Finland. The many students, who live in the city only during academic term time, want an ecological and cheap method of transport. Meanwhile, there are lots of unemployed people, many of them immigrants, who need work. Voluntary work is sometimes the only way to maintain their skills or keep them in touch with society. At the moment there is only one Bicycle Flea Market. The scheme solves two problems: it revives bikes that people otherwise discard, believing it cheaper to buy a new one than repair the old one; and helps clear the spare bikes left in communal parts of apartment blocks when their owners move out.

Current situation

The scheme has been working well since 1990. In Finland, where bicycling is popular and bicycle prices high, recycling bicycles is not new now and happens in most cities. However, using voluntary work is unique to Turku. The main aim of Bicycle Flea Market is to make enough profit to maintain the fair trade promotional shop Estelle. The flea market only makes 10,000 to 15,000 euros per year, too little to pay even one person. About 75% of the profit goes to maintain Estelle, with the rest used for buying spare parts, and paying bills.

People interested in ecological transport get cheap bicycles.

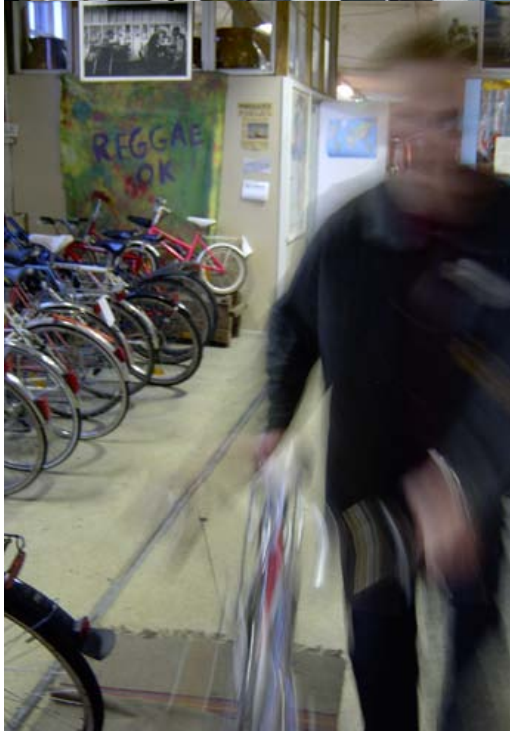
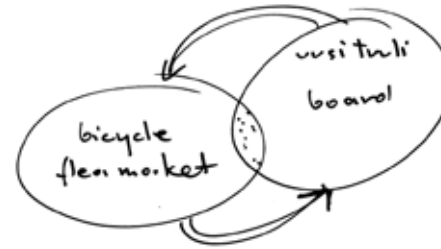
The benefits

Society. It helps to develop or maintain manual skills and enable workers to feel a valuable part of society. Those who choose to work here are willing to learn and teach others. They also don't pay any tax.

Environment. Uusi Tuuli's philosophy is to make the world better in simple ways, such as bicycle riding, kite flying or sailing. It promotes ecological transport, reduces waste and turns abandoned bikes into valuable products.

Economy. Customers benefit from a cheap bike with a warranty. It helps Turku students save money on public transport, and commute in an ecological way.

The experience	Design challenges
Feeling part of a community with respect for the nature and the environment. Behaving in a sustainable way.	Designing bikes easy to dismantle and re-assemble, and a proper set of standard spare parts. Creating open workshops where people can undertake repairs supervised by experts. Better integrating mobility system with public and private transportation systems.



Anyone can come and donate a bicycle.
It will be stored in the basement...
...repaired or dismantled into spare parts...completed and resold to someone in need.
Another sold bicycle will be added to a long list.



How the use of bikes in large towns is encouraged.

France, Paris Cyclo-Pouce

By Cyclo-Pouce

Solution

Cyclo-Pouce delivers products by bike to disabled people, elderly people and local companies. It offers bike recycling, repair and rental to individuals and local associations, and gives courses in mechanics and traffic codes. Its main purpose is to improve the wellbeing of people in the city: ‘La vie est plus belle en vélo’. In collaboration with Jet Handicap Evasion it developed a new bicycle for transporting disabled people.

Context

Today, CP is Paris-based, on what Parisians call the ‘Petite Ceinture’, an unused railway track running around the outer edge of the city, which was given to the association in 2000 in an agreement with Paris City Hall (19th), SNCF (French railway company) and CPCU (French urban heating). At the time there was no electricity or water available. CP promotes bikes in Paris, seeing them as a way of integrating people in the urban fabric. It employs people who are ‘unemployable’ who have difficult backgrounds, such as drug addicts.

Current situation

CP was developed 10 years ago by 16 very different people who shared a passion for bikes. The aim was to create an association using bicycles to improve the lives of people with social/physical difficulties. CP took four years to develop, studying existing needs and projects, economic/legal requirements and bureaucratic problems. CP finally started in 2000.

In the future, CP would like to establish itself in other French regions. The Paris site is nice at weekends, but can become quite abandoned in the week or on rainy days (weather is a big factor in this activity). CP expects to create stronger links with disabled associations like APF (Association des Paralysés de France), which would extend client awareness of special services offered. Meanwhile CP has participated in events like ‘Championnats du monde d’athlétisme’, ‘Descente des Champs-Élysées’, ‘Défi de l’exploit’ and in professional encounters. The number of CP users is growing, thanks to the variety of services presented, a professional attitude and an open-minded spirit. CP is already well-organised, with employees, working schedules, timetables, and a growing number of clients. But it wants to grow further and increase its range of services to the handicapped. This will need bigger financial investment, wider promotion, and dissemination to other Parisian areas. Four people work full-time, with five volunteers. The workers come from ‘Nouveaux emploi, nouveaux service’, supporting ‘unemployable’ under 30s.

The benefits

- Society.** CP has developed several activities with schools and social associations, educating and promoting the bike as a complementary method of urban transportation. It employs people with difficult backgrounds, creating new jobs.
- Environment.** CP has obviously a strong connection with the environment, proposing and facilitating a non-polluting method of city transportation. It recycles old or unused bicycles by repairing them and making them available to everyone, especially schools. It also promotes bicycle use to the young.
- Economy.** The money earned by the CP is used to buy new materials and bicycles, and to pay for rent, water and electricity. The most profitable activity is bike rental, then bike repair and then product selling. These profits allow CP to offer services to the disabled, which is expensive, mainly because the products offered are prototypes developed in the CP workshops.

The experience	Design challenges
Feeling part of a community of people with the same passion for sport and way of life. Behaving sustainably.	Designing bicycle-based vehicles for those with disabilities. Designing multi-use accessories to make biking easier. Creating open workshops where people can undertake repairs while supervised by experts.



‘What we need is to go out and enjoy Paris and have fun by taking advantage of the nearby Cyclo-Pouce.
There is one of the most famous cycling tracks in Paris, 20km of beautiful sightseeing on the Seine’



83



Pouce

City residents have the use of a car whenever they need it, but without owning one.

Italy, Milan

MCS – Milano Car Sharing

By Legambiente, MCS
www.milano-carsharing.it

Solution

MCS is a self-service car rental system which enables residents to use a car without the expense and hassles of owning one, and saving money. It is an alternative solution to the problem of urban commuting, based on easy access to a car whenever it is needed. The concept could be an intelligent solution for such cities, as Milan, with lots of problems caused by traffic. The first objective of car sharing is to teach people that the car is not a status symbol and that it can be used only when you really need it. Once users have subscribed, they get an MCS card with a personal code on it that allows them to make reservations via the call centre or the website. They can choose the car and the garage to collect and deliver the car. The garage records the kilometers driven by each client, and charges them at the end of the month.

Context

Like many other big cities, Milan has the problems of traffic jams, pollution and lack of parking, especially during rush hours, mainly caused by private cars. Mostly people prefer to own a car rather than use public transportation or alternative transport. In other major cities in Europe, alternative transport solutions such as car sharing have been available for many years and in some cities, such as Berlin, are very popular. Nowadays the costs of owning a car are very high. It would often be cheaper to pay for the car only when you use it, and for the time you use it. Also it can be time-consuming to find parking and maintain the car. The car-sharing concept deals with these issues.

Current situation

Legambiente introduced the car-sharing service to Milan in September 2001. It started with three cars, a garage and a website; by 2005, the MCS had several vehicles in three different categories and 13 parking areas. There are more than 200 members using the service each month. The scheme is working well, in the opinion of the users and organisers, but the system could work even better on a larger scale. What is missing, on the practical side, is some technological investment to optimise the service and some support from the public administration; on the communication side it needs more promotion which could really change people's mind-set about private commuting. Annual membership costs between 70 and 100 euros, the hourly rate is 1.80 euros from 7:00 to 24:00 (it is free between 24:00 and 7:00) and the cost per km is 0.32 euros per km, including the fuel.

The benefits

Society. Society gains an innovative, economic and ecological system as an alternative to the traffic problems caused by private car ownership. On an individual basis users save money, time and stress and gain awareness about the costs (money, environment, use of public space) of using cars. Ideologically Car Sharing might remove some of the status aspect of private cars.

Environment. The cars chosen for the MCS system are low-emission and fuel-efficient, so are less likely to pollute the environment. They are also compact to take up less parking space and avoid obstructing roads and sidewalks. MCS parking areas are strategically located near public transport hubs to encourage commuters to use the existing public transport infrastructure, and thus reduce pollution.

Economy. For people driving fewer than 10,000 kilometres in a year, using the MCS system works out as 4,000 euros cheaper per year than owning a car.

The experience

Being part of an elite of trend-setters, trying to improve city life.
Having a range of cars to sample.
Behaving in a sustainable way.

Design challenges

Developing technical services to support community sharing.
Designing cars suitable for easy and frequent personalisation.
Developing low-emission cars.

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Mario Aloï, Mine Gokce Ozkaynak



Paths and services for urban cyclists are enhanced.

Germany, Cologne Mühlheim

MFG Mülheimer Fahrrad Gruppe – MFG Cycle Association

By Mülheimer Fahrrad Gruppe

web site: [http:// http://www.muelheimer-freiheit.net/mfg](http://http://www.muelheimer-freiheit.net/mfg)

Solution

The goal of MFG (Mülheimer Fahrrad Gruppe) is to increase bicycle traffic in the Mühlheim district of Cologne, where 143,000 people live. Believing that the bicycle is the ideal urban vehicle for short distances, the association wants more acceptance from both the city administration and car drivers, and improved safety and comfort for cyclists. MFG collects reports of broken bike paths, abandoned bikes, etc, sends an email to city officials, and posts the problem on an online forum. It gets one or two phonecalls a week. The City of Cologne is responsible for taking away old bikes and servicing the paths, but is often slow in acting, especially in the outskirts like Mühlheim. MFG both works with the bicycle commissioner of city hall and, sorts out small problems itself. The roughly 10 members of MFG meet once a month to discuss administration and tasks. They spend most of their time inspecting bicycle ways.

Context

Cologne is crowded with cars and public transport, resulting in pollution, danger for children and congestion. One answer to this problem is bicycles. Although there are 550,000 bicycles on the streets of Cologne, cyclists do not get much attention, as they are politically unimportant.

Current situation

The scheme has been running since 2002, based on the concepts of other organisations interested in the environment and cycling: ADFC, VCD and BUND. In the small area it is responsible for, it works very well, but wants to expand to cover more of Cologne. The response from local people is good, and MFG contacts get articles about their projects published in the local press. The members of the MFG work voluntarily, and devote a lot of time to it. Funds come from sponsorship, and advertising by local bicycle dealers on the MFG's website.

The benefits

Society. By involving local people in taking care of the bike paths and infrastructures, the scheme engages people with their district, creates a sense of community and promotes bicycle use.

Environment. The MFG encourages the use of the bikes for commuting, making cycling in town safer and more pleasurable. In addition, taking care of the paths keeps the urban environment nice and clean. With its work, MFG shows how civil action can prevent vandalism.

Economy. The scheme is self-funding, based on sponsorship and advertising on the website. Through their work, members of MFG provide great support to the local municipality in managing the public space, saving public money.

The experience

Pleasure in taking care of the common environment and feeling responsible for it.
Pride in improving the neighbourhood.

Design challenges

Creating places where residents can discuss the problems of the community.

Cologne is really a 'bike city'...



Ben, as it often happens, uses his bike to go to his university.
 One day he sees a dangerous hole in the bike lane.
 So, he calls the MFG to tell it about this problem.
 Someone at MFG takes care of it, calling the mayor's bureau, to convince them to repair the street.
 Sometimes it works, and the works begin...



Italy, Milan

Minimo Impatto – Minimum Impact

By Alessandro Galli, Minimo Impatto
www.minimoimpatto.it

Solution

Minimo Impatto is a service for private sellers and buyers of used sporting goods. It provides an exhibition space, a shop, where items are held on consignment for a given period, and supports trading management. Bicycles are the most traded items. The aims are to encourage the use of bicycles, and, to quote the service organiser, 'to learn the real value of money compared to the importance of one's own contemplative time'. The system works like this: sellers, who have to be registered (to prevent the sale of stolen goods), bring what they want to sell; agree a selling price with the shop, and a percentage commission to the shop; sign a year-long contract; and receive the money, minus the agreed percentage, once the item is sold. It's a new way of selling used goods and also acts as a repair shop.

Context

The idea behind the trading of these second-hand goods is about how to extend the lifespan of products, allowing people to enjoy sport without spending a lot of money, and decreasing waste. Minimo Impatto is located in the north of Milan, a quite run-down area not well-served by public transport. The idea came to founder Alessandro Galli while cycling in Australia few years ago. Before this trip he had worked as a manager in a multinational firm, but found this didn't give him the time he wanted for thinking, travelling or cycling. He decided to change his life and do something to improve his quality of life. This project combines his love of bicycles and the idea of recycling, and makes him enough money to go travelling. Buying something second-hand but perfectly good means you have to work less and have more time to enjoy more time off, at the same time as reducing waste and improving the areas where cyclists go.

Current situation

Minimo Impatto started in September 2003. The idea was to replicate the Northern European second-hand model, specialising in sports goods. Before the shop could open, six months of studying laws and bureaucracy were needed, as this system had never been used before in Italy. Selling is seasonal: in summer bikes and rollerblades; in winter skis and snowboarding items. There is no charge to use Minimo Impatto: the selling price is divided between the previous owner of the goods and the provider of the service.

People exchange used sporting goods.

The benefits

Society. As 80% of the buyers are on low incomes, the service means they can enjoy sports and activities without large expenditure, and can sell the items when they do not need them any more. For those concerned with recycling, this kind of service encourages the organisation of groups sharing the same ideas and spreads a deeper consciousness about the quality of life.

Environment. The major benefit to the environment is the extending of a product's lifespan, and consequent use of fewer natural resources. It also increases bicycle use, reducing pollution.

Economy. The service promotes the ability to spend less but experience more. We have more money and technology but less time. If people want to spend time and money experiencing nature, sports and travel, they don't need to spend much money.

The experience

Feeling part of a community which respects nature and the environment.
Behaving in a sustainable way.

Design challenges

Designing bikes that are easy to dismantle and re-assemble, and a proper set of standard spare parts.
Creating open workshops where people can undertake repairs supervised by experts.
Better integrating mobility systems with public and private transportation systems.

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Politecnico di Milano, Italy
Marta Gianighian, Nelson Issa, Davide Nava



After years of work in the commercial and managerial area, Alessandro Galli decided to leave his usual world a few years ago and go on a coast-to-coast biking trip in Australia. While he was riding bicycle he decided to join together all the ideas he likes.

He loves sport, especially biking; he likes the Northern European way of re-using things in order to have more money to spend on travelling and other ways of experiencing the world around and oneself; he is sensitive to environmental problems like waste and pollution, and to social problems such as the lack of contemplative time.

He thinks that every 10 years it is necessary to stop and deeply think about what we are doing, and how we are spending our life. And to change something if the answers are not acceptable...



The Netherlands, Brunssum

Mobile Fietsenmaker – Mobile Bicycle Repairman

By Giovanni Putzu mobile bicycle repairman
www.mobielefietsenmaker.nl

Solution

The novelty in this service is that a bicycle repair man visits clients at home and fixes their bike instantly, which is much easier than getting to a repair shop with a broken bike! Giovanni – the founder and repairman – has kitted out a bus to become a mobile workshop, for about 15,000 euros.

Context

There used to be at least one bike repairman in nearly every Dutch neighbourhood, but as bicycles have got more reliable, their workload reduced and they closed down. Nowadays there are much fewer such handymen, and the market has been taken over by larger companies. It therefore takes longer to get a bike repaired, and it can of course be difficult actually getting to the repair company.

Current situation

The project has been going for three years, and has attracted a lot of interest. At the moment Giovanni is the only provider of the Mobile Bicycle Repairman service, but he is ready to recruit other repairmen and give them busses to work in other districts. At the same time, a franchising company 'Fietsnet' is preparing a full-scale national project to provide this service (with about 150 vans) all over the country.

The benefits

Society. Providing an easy way for people to have their bikes fixed stimulates people to use their bikes more.

Environment. Renovating the bikes prolongs the life cycle of the product.

Economy. Users get their bikes repaired conveniently for a good price. The popularity of the service means the provider fulfills a clear need.

The experience

Meeting and talking to Giovanni.
The luxury of a home service.

Design challenges

Designing bikes that are easy to dismantle and re-assemble and a standard set of spare parts.
Designing suitably light and green mobile repair vans.
Designing software and equipment to optimise the logistics of the service.



Henrik is about to leave on his bike when he realises he has a flat tyre. Remembering an advertisement for the mobile bike repairman he calls Giovanni, who comes over to Henrik's home.

After discussing the problem, he takes the bike into his van to fix it instantly.

All the tools he needs are in the van. Giovanni shows Henrik the receipt, and gives him some advice and a contact card.

The customer satisfied, Giovanni leaves for his next customer.



the 2nd

Motherboards
- Gold
then "junk"

30-35 daily

small companies
repairmen
come here for
spare parts

ers - can be anyone
unemployed, retired, working
families, elderly

because they don't have any money
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United Kingdom, Ayrshire
Ayrshire LETS (Local Exchange Trading System)

By Ayrshire LETS

Solution

A Local Exchange Trading System is a concept based on the mutual exchange of services and skills among the members of a community. There are currently 40 members from around Ayrshire actively trading anything from catering through to plants and plumbing. The currency is ‘thistles’, with the standard rate being 30 thistles per hour, which equates to £6. This is a typical LETS scheme of which there are 18 in Scotland. They encourage innovative forms of trading (from gift wrapping to plumbing) and encourage trading between individuals and community businesses, reduce banking and interest charges, and provide community projects with access to low-interest capital.

Context

All over Europe feelings of isolation are increasing, as are the desire to become part of the community. Offering professional and non-professional skills to exchange gives the chance to start meeting people not only for business purposes, but also with the aim of building an atmosphere of mutual trust and exchange.

Current situation

This is a relatively young LETS scheme which is still improving and maturing. The original project started in 1976, when a group of Friends of the Earth members decided to start a LETS scheme in Ayr to counter the increase in non-local trade and consequent declining sense of community, and the associated environmental impact of large-scale business. Starting up costs and subscriptions are around £20 per member. Other than that, all trading is ‘free’ in normal monetary terms. Sometimes traders pay for materials etc. LETS schemes suffer from having a ‘critical mass’: 50 members is optimum, but 150 is too large. Traders cannot get to know each other so are less likely to trade. The LETS model is easy to replicate, and a pack is available explaining how to start up a scheme.

The benefits

- Society.** Social benefits include an increased sense of community and the illustration of the value of each individual, which are excellent for encouraging inclusive communities, providing internal support and empowering people.
- Environment.** Sharing skills, products and knowledge reduces (in many cases) material consumption. Products are reused. Environmental benefits also include those associated with localised trading (less travel, fuel etc.).
- Economy.** A LETS proposes an alternative economy based on time instead of money: it creates a different framework of meaning and value for human activities, which can generate problems in the legal recognition of this scheme of exchange.

The experience	Design challenges
Meeting neighbours in exchanging services. Building relationships is more important than saving time. Being part of an inclusive scheme where everybody's contribution is valued and welcomed. Contact with sustainability-minded people interested in innovation through social aggregation. The value of trust.	Developing low-tech and high-tech platforms for managing the exchange of skills and goods among the community. Improving communication in the neighbourhood. Developing regulations to guarantee the exchanges.



uses - can be anyone
unemployed, retired, working
families, elderly
join because they don't have any money
or want equality
Sustainable minded people - environmentalists
teaching - not commercial/industrial
interested in making things inclusive
there are also some mental health groups
who join to

Local residents help each other out through the mutual exchange of skills.

Italy, Milan, Niguarda Banca del Tempo – Time Bank

By Banca del Tempo Milano Niguarda
www.banchetempo.milano.too.it

Solution

Time Bank manages the exchange of people’s spare time and competences, like the northern European LETS (Local Exchange Trade System). Every activity, help or product has a price in hours. People can ask someone for help with a problem and pay back with their own time instead of money. When somebody receives a service or help they have a debt equivalent to the amount of hours spent, which they can repay by offering something that costs the same time or, if more, some hours credit. Members join the association by filling a form saying what they need and what they could offer in exchange. The request is then put in the Time Bank’s list of announcements and communicated to all the members through a website, a weekly e-mail and a paper note posted in the main centre for the people without a personal computer.

Context

In big European cities such as Milan, people are no longer surrounded by family and need different kinds of help and assistance in everyday life. People can sometimes find solidarity in their own neighbourhoods, but it’s hard to get problems solved in a professional way. Many people are willing to offer their time, but others are too shy to ask for it, or worry about how they’ll repay the favour. Barter solutions like the Time Bank are emerging to help out.

Current situation

The Time Bank of Milano Niguarda was founded in 1999 and is in an area rich in local associations and cultural centres. Around the Niguarda Hospital there are also a lot of elderly and socially isolated people. There are many Time Bank-style organisations around the world which operate in different ways. Creating a network between different Time Banks in the same city would enable each centre to use its strengths to solve more problems and link more people. The Niguarda scheme works well, mainly due to the dedication of people who work for the Time Bank, but there is not much organisation of archives or databases, nor is there enough communication about the service. Italian law says that local councils can support and promote Time Banks (for example by paying the rent). Every member of the organisation staff works on a voluntary basis, with office expenses paid for by the 14 euro registration fee.

The benefits

Society. Time Bank gives great benefit to society. People can receive help but, more importantly, everyone can find something to give to others in mutual exchange, with everyone having the same value in terms of what they can offer.

Environment. Time Bank holds sales, where people bring their old stuff and sell it in exchange for hours. In this way, every old and unused object can turn into something positive instead of being thrown away. Products exchanged like this have their lifespan lengthened, and shared tools get much more use.

Economy. Time Bank can improve domestic finances, as no money has to be paid for services. But the money is less important than the feeling of solidarity.

The experience	Design challenges
The improved relationships with neighbours by exchanging services is more important than the saving of time. Being part of an inclusive scheme where everybody’s contribution is valued and welcomed. Contact with sustainability-minded people interested in innovation through social aggregation.	Developing low-tech and high-tech platforms for managing the exchange of skills and goods among community members. Improving communication in the neighbourhood. Developing regulations to guarantee the exchanges.

Luigi Tomasso (coordinator of the service):

'Time Bank is often studied, by researchers, the press, the TV or the radio, only for the functional and utilitarian side of our trade. Or they focus on some inevitable folk character.

'Unlike them, this analysis captures some very important ideas about our problematic relations, our need to manage our activities better and to communicate the opportunities we offer.'



Technical, logistical and material help for human rights associations.

France, Paris

CICP Centre International de Culture Populaire – International centre of popular culture

By Centre International de Culture Populaire
www.cicp21ter.org

Solution

The first aim of CICP was to support associations working on international solidarity, but it now supports several other associations. They all work in areas relating to human rights. The CICP rents out to these bodies offices and/or mailboxes, meeting rooms, places to project movies, and tools to organise their activities. The associations share the equipments. Every new association has to be accepted by the other associations in the CICP. Once an association is accepted, the CICP respects its objectives, points of view, political choices and ways of thinking, and doesn't intervene in their work.

Context

The CICP was founded in 1976 by the Centre d'études et d'Initiatives de Solidarité Internationale to enable associations working on international solidarity without any state support, and struggling against all sorts of domination (political, economic or cultural), by giving them the technical, material and logistical support they needed for their work. It is now in a three-floor building in the 11th arrondissement of Paris, adapted by an architect to accommodate various associations in a sort of 'co-housing' system. The CICP provides the space for meetings and events, organises the maintenance of the building, helps communication inside the 'community' and offers audiovisual equipped meeting places.

Current situation

The CICP now has about 80 associations as members: about 30 have their offices in the house and the others have mailboxes. The CICP functions without any state funding. It pays its workers with the rent from the associations. The associations can earn their own money too by renting rooms to other organisations for a short period.

The benefits

Society. Grouping many associations in one place creates a kind of family atmosphere, which encourages deep informal debates. People coming to the CICP are surprised to find so many bodies in the same place, as most of the time they are looking for only one of them. They discover the real meaning of this space.

Environment. It produces all the environmental benefits of 'co-housing': it reduces the transport for meetings and reduces energy consumption by sharing spaces.

Economy. The CICP gives a bit of leeway on rent demands if an association is having a financial problem.

The experience

Motivation from working with people with the same mission in society, and sharing knowledge.
Enjoying an animated working environment.

Design challenges

Building or renovating buildings especially for business co-housing



‘This case shows that an interesting system like co-housing can be transposed in an other context. We think it is a good exercise to imagine how a way of working can be used in another context, to verify that it really is a sustainable system and not just a lucky strike that can’t be reproduced. We really think that this sort of structure can be reproduced in several different contexts’

Poland, Nowy Sacz

The sheep project

By A group of farmers from Nowy Sacz, local restaurateurs and others

Solution

A Work fund co-finances the purchase of small flocks of sheep, ensuring sufficient meat and wool, with ongoing monitoring, training and program promotion. Its primary goal is to limit the effects of unemployment in village areas through creating shepherding self-employment and places of work in shepherding homesteads. It also wants to create an integrated economic model of shepherd production, increase the social and professional activity of village residents, supply the market with valuable and healthy food, and prevent the mountain landscape from becoming spoilt. The scheme was started by a businessman: he bought the first flocks and gave them to owners of pasture that had become overgrown following a decline in sheep farming. He organised the market for the meat, milk, wool and skin.

A restaurateur from Krakow promotes the mutton dishes. The project revives tradition, encourages eco-lifestyle, produces healthy, nutritious food, preserves the area’s scenery, develops tourism and prevents unemployment in the area.

Context

There is a long tradition of sheep breeding in Polish mountains, but following sheep farming control, sheep herds were greatly reduced in number. Pastures once used for herding were invaded by new species of plants. The collapse of sheep herding resulted in an increase in regional unemployment. Nowy Sacz is a quite mountainous region, with high unemployment. The villagers faced long-term unemployment, due to their low qualifications and lack of professional experience. It was essential that steps were taken to give them prospects for social/professional work, to combat their increasing inactivity, unwillingness and apathy. An equally important matter was restoring the Beskid landscape. The grazing of sheep has a fundamental impact on this, as it allows upkeep of the mountain pastures and meadows, preventing their overgrowth with less desirable plants and the encroachment of the forest, and in this way maintaining the picturesque areas of the Beskid.

Current situation

The scheme started in May 2003 and should conclude in January 2007. The programme could only be carried out in Nowy Sacz, and not spread to other regions, because of changes to financing rules. Between July 2003 and June 2005 farms were assessed for their suitability for the programme, 36 unemployed people were signed up and accepted the contract for partial refund of costs and sharing of loans from the Work Fund for the activities, sheep were received, and a programme of

monitoring begun. The Work Fund refunds part of the costs of equipping the work stations and part of the costs incurred in carrying out farm activities, and gave loans for the creation of new work areas and for carrying out farm activities.

The benefits

- Society.** Professional qualifications gained through training, maintaining of cultural traditions connected with breeding and the grazing of sheep. One of the greatest advantages of this project is the reduction in the unemployment rate of about 20%, along with enabling local integration, spreading ecological solutions, strengthening the link between city and village, and helping neglected areas and endangered species.
- Environment.** The Beskid landscape is maintained, and the region’s attractiveness improved, panoramic viewing points are revealed, existing pastures and meadows maintained and the mountain landscape rescued.
- Economy.** The scheme has created an integrated economic model for sheep goods production and places for self-employment, limits effects of unemployment in village regions, has helped the development of agro-tourism, and supplies the market with nutritious and healthy food.

The experience	Design challenges
For the breeders, the pride of carrying on traditional work, with its rediscovered dignity and importance. Citizens discover traditional products and food.	Designing services, events and places to promote local traditional products. Facilitating communication between breeders and the public administration. Developing place marketing.



Boguslaw is a young man who recently passed his high school exams and, like his father, wanted to breed sheep. He found out about the Sheep program and received 27 Bergschaff sheep.

A year later he owns a flock of more than 100.

He says that it is the best species for meat and wool.

He likes his work very much, and though it does not bring in the expected profits, he appears to be satisfied with it and looks to the future with optimism.

How the lifespan of consumer products can be extended. Unemployed, disabled and immigrant people find work that is valuable both to them and to society.

Finland, Helsinki Työ & Toiminta – Job and Action Association

By Työ & Toiminta
www.kierratys.net/ns_index.htm

Solution

The main goal of the association is to provide work for unemployed, rehabilitated, immigrant and/or disabled people. The second goal of the association is to ‘promote the policy of sustainable development by increasing the life cycle of consumer goods, by finding new ways of recycling, and by boosting the recycling activities in Helsinki area’, and it runs a second-hand store selling the goods. Other benefits: employment is kept local, workers have high motivation, and immigrants are able to adapt to Finnish working culture. 30% of workers find employment after working here. The scheme reduces a large amount of industrial and consumer waste, and provides household goods to the community and disadvantaged countries at reasonable prices. In the future, it hopes to collaborate even more with artists and designers in reusing material that cannot be recycled.

Context

The association was founded by a group of unemployed people in Vuosaari, a multicultural area of the city. At the time, unemployment associations were popular because of the economic recession, and provided somewhere for people (mainly men) to do social activities such as fishing. Honkanen was hired as the leader of one association in 1997/98, and he introduced recycling as a profitable activity. First of all, household goods were sold at a flea market, and then computers became more of the items being dismantled, reused and recycled. Opportunities with the new WEEE laws coming into effect, and collaborations with the Municipality of Helsinki, drove growth of the officially registered association. Companies in Finland must comply with the strict recycling laws, and this solution provides a way for them to recycle at low cost. Consumers also appreciate an outlet that enables them to recycle their goods in a culture where environmental friendliness is important. Workers find this a valuable place to work because it pays better than unemployment, provides a place for them to put their skills to work and be active, and the atmosphere is relaxed and ‘like a big family’.

Current situation

A private limited company “social firm” (called Neo-Act Ltd) has recently been registered and activities will move from the non-profit association to the social firm. Its dual mission is to create jobs while making a profit according to legal social firm regulations. This association seems to be well organised and appropriate to its culture and society. The Job and Action Association cooperates with other Finnish social firms (supported by the national ‘Elware’ project) and is also part of the European-wide network, RReuse, a network of social firms operating in a similar way.

For electric and electronic items like TVs, computers and fridges J&AA charges a very reasonable recycling fee, and will collect equipment and furniture for a small fee. It now employs around 60 people.

The benefits

Society. There are many benefits for individuals working in this sustainable, enthusiastic place. From the consumer’s point of view, there is the benefit of recycling unwanted goods, and of buying products at reasonable prices. Putting immigrants to work (currently 35 nationalities) in society alongside Finns helps create a more multicultural and open-minded atmosphere, and allows them to develop skills and contacts not otherwise possible.

Environment. The environmental benefits are clear, with the repair/reuse of products, extending their lifespan, and material recycling. Between 25 and 40 tons of material comes through the operation per month, with about four tons of computers received per week from the government alone. J&A’s burning of plastic generates enough energy to heat 17 houses in Finland a year.

Economy. The creation of local jobs (600 since 1999) and new products is obviously good for the economy in Helsinki. By providing employees with new skills, they are then able to go on to find work in other areas of the city, with 30% getting jobs afterwards. Companies appreciate this service which enables them to abide by business practice laws, while also lowering costs through reuse of waste.

The experience	Design challenges
Reintegration into the world of work and active life. Feeling part of a big-family in a positive working atmosphere.	Designing innovative equipment and tools for recycling materials. Developing and applying disassembling criteria. Spreading the culture of recycling and recovering by designing quality products from recycled material.

Authors
University of Art and Design Helsinki, Finland
Lindsay Kenzig, Cindy Kohtala

Harri is an administrator who deals with the logistics of getting waste materials from companies. He sees a need for innovative equipment and tools in the recycling of glass and metal; he is looking for designers and artists to collaborate with in making high quality products from these materials to be sold.



Ramin likes working here because it is a great atmosphere, he can do what he likes, he gets to learn about recycling, he meets many people and is relearning a 'rhythm in life'.
Al-Mussawi Haidar says he loves working here because it is 'like a big family'.



Nidi in case è nato da una convenzione
 il Comune e la cooperativa "Solidarietà"
 ↓
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 formazione x operatrici di infanzia
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 e J. Donato → 19 operatrici
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Alcune operatrici si rivolgono
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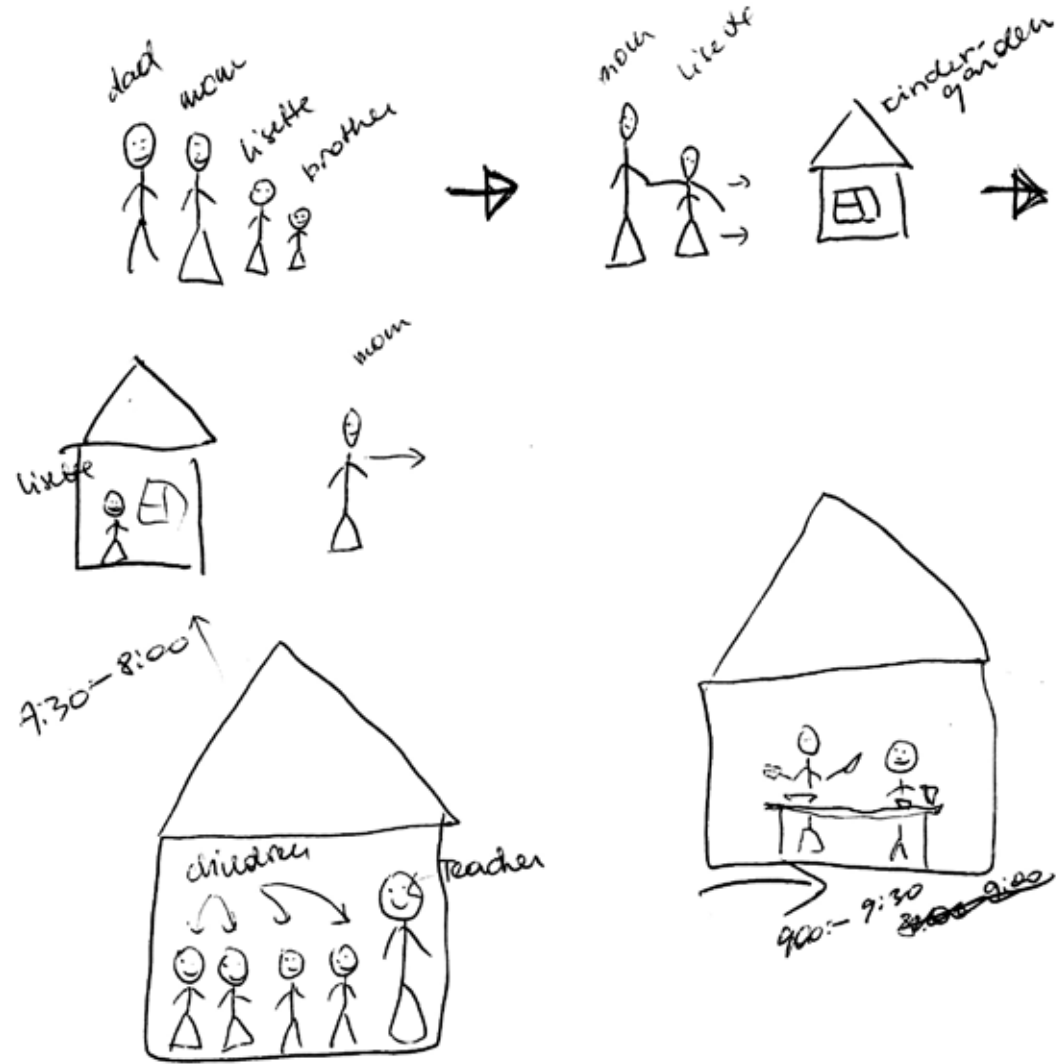
Sett 2000 parte "Nidi in case"
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 famiglie + supervisione
 qualità e di servizi (Feder)
 cooperative: gestione e amministrazione

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Young people’s creativity and resource-awareness is stimulated.

The Netherlands, Eindhoven Artist involvement in creative education

By Bisk Eindhoven

Solution

The aim of the scheme is to bring schools and artists together for educational purposes. An organisation called BISK acts as mediating agency between schools and artists, who are invited to the workshops to develop the pupils’ creative and artistic skills. The pupils, guided by the artists, create artworks from garbage, discovering the potential of material that is all around them, finding and composing new meanings out of discarded objects. The innovative part of this scheme is that it provides a valuable contribution to the creative development of schoolchildren. Students learn about tools and materials, and ways of expressing themselves. This solution enhances the creative skills of society as a whole and promotes an open-minded and ‘out-of-the-box’ approach to life.

Context

The Western world produces enormous amounts of garbage. Although society considers it useless and ugly, there is a growing interest in using garbage in art. These forms of art do not reach young children who are taught to express themselves through techniques such as painting or pottery. Teachers often focus on the quality of the artistic creations themselves rather than the thought that provoked them. Also, teachers are often not artists themselves, being more concerned with educational issues rather than creativity itself. Artists love to share their passion for art and creativity with young people, who are open-minded and enthusiastic to experiment.

Current situation

The solution is now already put into practice, and extending the scheme to other schools would be relatively simple: an organisation structure would be needed to bring schools and artists together. When it works well, a course can provide artists with both teaching insights and practical information.

The benefits

- Society.** The pupils get a chance of contact with the ‘mysterious’ profession of the artist and are guided in creative exploration by a real professional. This may spark an impulse to be more creative and promote a more creative attitude in general. On a social level, this solution joins the creative and cultural aspects of education, and could help society evolve with innovation and creativity.
- Environment.** When the artists are using ‘prosperity leftovers’ – that is, discarded consumer products and toys – it reduces the amount of paper, paint and clay, etc, used in creative sessions, and may also give the pupils insight into the value of the things we call ‘garbage’. Young people become aware of environmental issues in a playful way.
- Economy.** Although the artists are paid by the schools, they are more motivated by the enjoyment of sharing their passion, and the inspiration they get from working with children. To make the initiative more economically sustainable solutions have to be found for funding the projects, eg. selling the results to a larger public.

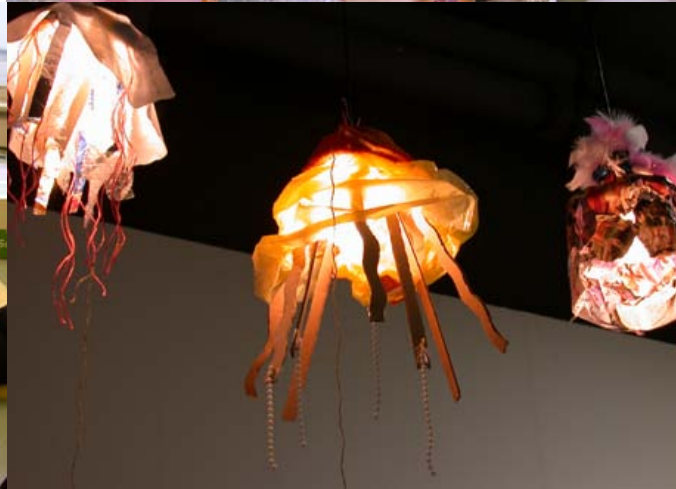
The experience	Design challenges
The stimulation that comes from meeting those in other professions, with different skills and ages. The challenge of transforming the industrial world into something unique and personal.	Creating situations and environments to use discarded objects for new purposes and give them a new beauty. Designing objects with alternative uses for a second life. Developing educational events to stimulate the personalisation of goods and their creative re-definition.



Artists need to realise that pupils of different ages need different approaches.

Adolescents can cope with the task of creating something using, for instance, keywords.

For young children, it is better to tell them an open-ended introductory story.



France, Paris

Cafezoïde – Playground café

By Cafezoïde association
www.cafezoide.asso.fr

Solution

Café Zoïde is a combination of a neighbourhood workshop and a café, independent from the school system but providing educational yet liberating surroundings for children. The scheme offers a playground for families, art courses and exhibitions, help for foreign parents and children, a café based on exchange and participation, and a library of information. It is also a dynamic and convivial influence on the neighbourhood.

Context

A group of people decided to create a warm place to go in the winter, where young people could meet and play. They also formed an artists' studio, where they exhibit and promote young people's work, and a place where families can meet and interact. Building a café focusing on a specific target audience, in this case children, is an easy and positive thing to replicate elsewhere – all it needs is a well-functioning team of people that concentrate on the specific needs of the customers. And, of course, giving children of all ages a place where they can play, learn and grow as individuals is always positive and would benefit any community.

Current situation

Started as a unique café in Paris in 1997, Café Zoïde is now developing a concept that can replicate the idea in other neighbourhoods. The organisation is financed by subsidies and other small contributions, which could be boosted by selling the children's artwork or promoting the organisation more efficiently.

The benefits

Society. Café Zoïde allows children to develop into individuals in a very open-minded and unconventional way. It treats children as people and helps them to find a way to communicate with adults and children of any age and cultural background in their own way. It is now an essential meeting point for families from the neighbourhood, deeply involved in the everyday life of the community.

Environment. Even though there are no obvious benefits to the environment, the people and children of Café Zoïde try to contribute to saving our planet. They try to use biodegradable materials for their various projects, consume fair-trade products, take care of the green area of Paris and their immediate surroundings and, in particular, try to instil the value of the environment in the children.

Economy. The town-hall of the 19th arrondissement supports the project financially and by donating space. Still, the Café Zoïde-team hopes to be independent soon to be free of conventional bureaucratic rules. Being independent without diminishing the positive image of the association is very important to all involved. They do not want to turn this project into a business for fear of losing the spirit of a community-project.

The experience

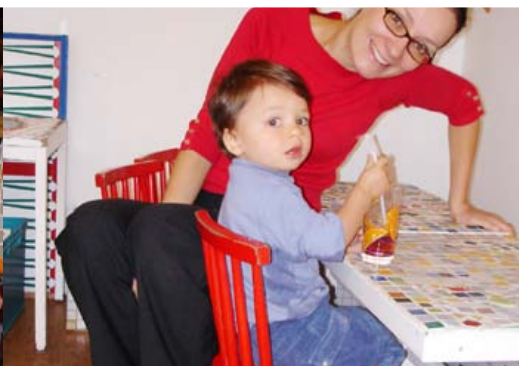
For the children, the pleasure of playing in a joyful place with the feeling of being independent

Design challenges

Conceiving multi-service centres to merge complementary functions .
Designing furniture, communication items, tools and infrastructures to help children become independent and skilled.



'Creating a children's café is a very interesting business idea and is a win-win situation which addresses important social aspects. Café Zoïde is different from normal nursery schools. It is most importantly a café for children to which they can come and go, join in the games they want to and learn to be independent individuals.'



Adults are helped to recover from addiction, and find occupational, educational and employment opportunities.

United Kingdom, Glasgow Coach House Trust

By Coach House Trust
www.thecht.co.uk

Solution

The Coach House Trust is a non-profit organisation that seeks to challenge the economic and social exclusion of adults with mental health problems, recovering from addiction or with learning difficulties who find it difficult to find and keep a job. The Coach House gives them focus and the opportunities to gain skills, and be part of a warm community environment. The scheme provides personal, social and vocational development in places that can help reintegrate them into the mainstream community. It achieves this through providing indoor and outdoor workshops and activities such as ceramics, woodwork, gardening and recycling compost. Participants work in and with the local community, building mutual trust and respect and achieving integration. Products manufactured – such as fruit and vegetables, woodwork and metalwork sculptures, paintings and silk paintings – are sold in the shop.

Context

Adults recovering from addiction, mental health problems, physical disabilities and learning difficulties are often excluded from society, making it difficult for them to gain valuable practical skills and participate in meaningful work.

Current situation

The trust was set up in 1998, when it bought a derelict building and renovated it to become a centre promoting innovative approaches to education training and employment. Glasgow city council let the trust landscape public areas, starting with the Triangle garden, which used to be a public Victorian drying green. People come to the project through an open referral system and have to be funded by local health boards. The trust now has 100 clients, 70 or 80 of whom are regulars. There is no time limit. It has reached maximum capacity, but does not wish to grow and become a major organisation crippled by bureaucracy. It relies on many sources of funding but makes little profit. The annual turnover is 1 million pounds.

The benefits

Society. People who have experienced addiction or mental illness are regularly ignored in everyday society, but are welcomed in the Coach House. It gives them opportunities to learn new skills, meet new and similar people and help by taking part in sustainable practices, such as woodwork, mosaics, metalwork, slab-making, furniture-making, gardening and recycling. Much of this work benefits the local society. The team renovates public spaces and landscapes local private gardens.

Environment. As the Coach House Trust is both in the city and very close to a river and park/ woodland areas, renovation work by the trust has created many pleasant public spaces. It teaches gardening and horticulture to both clients and neighbouring primary and secondary school children. Fruit and vegetables are sold to the public in markets and restaurants. Teaching sustainable solutions is vital today, as the environment is increasingly threatened.

Economy. The non-profit organisation is funded by various bodies, such as the health authority and charities. Regular attendees must have funding, which goes towards training, materials and equipment and staff. It would be hard to find enough funding for the trust to expand, even if it wanted to, meaning that new clients are increasingly unable to join or participate. Any work sold through the shop or restaurants/markets goes towards materials/tools etc.

The experience	Design challenges
There is no pressure on clients to make a profit - the pleasure is all in the teaching. Learning skills and understanding sustainable practices, which can be used in everyday life.	Providing an outlet for the handicrafts produced by non-professional artisans.



Many find that going to the Coach House on a regular basis gives them a reason to get up in the morning. It provides a second home to many of these people, who feel comfortable and welcome in the environment. If they decide they do not enjoy one activity, they can do another, as the Coach House understands that many clients are not comfortable performing certain tasks, or are unable to due to certain mental or physical difficulties. This freedom makes them feel part of a voluntary group, not forced to participate in anything they are not happy with.

Poland, many towns

Comenius Kindergartens

By Comenius Foundation for Child Development
www.frd.org.pl

Solution

The Comenius Foundation for Child Development, given a place in a village, organises a special kindergarten for the local three-to-five-year-olds. Children don't get a sleeping break or meals, but they do get the opportunity to spend the time together playing, and learning from the teachers trained by the foundation. Such kindergartens often become village cultural centres, where parents can meet to discuss new activities or events. The goal of the program is to ensure a space and its upkeep, as well as pay for teachers. The foundation provides educational materials, training and co-ordinator consultation once a month. The teachers, many of whom were previously unemployed, receive experience thanks to the training. Parents actively help by renovating the building for the pre-school club, equipping, organising, and making toys (plastic toys are rarely used). Parents have the opportunity to take part in the classes, in which each child participates as they please. The classes take place for 12 to 16 hours a week, in groups of 10-12, divided by age.

Context

Only 14 % of the rural children in Poland are enrolled in pre-school. This is due both to families' lack of money (there is a high unemployment rate in the country), and the lack of pre-school centres in the nearby area. According to legal statutes, the financial responsibility for education falls to the municipality, which frequently doesn't have enough funds to finance basic education. The foundation implemented an innovative program called 'When There Are No Pre-schools' which provides equal educational opportunities by opening early childhood education centres in areas where pre-school services have never been offered or have been discontinued.

Current situation

The Preschool Club goes year-round, with a break for summer. The popularity and accessibility of the scheme is shown by the numerous new centres opening in the local area and in other communities taking part in this programme, as well as the waiting list to take part. Jastków started with four pre-schools, with five groups of children, and now has seven schools with eight groups. A total of 37 preschool clubs have been started up in eight towns. The scheme is very flexible, and can be adapted to suit the needs of any area, which differ in the way they run finance and hire teachers. Teaching methods are continuously adapted. The cost of one child is 70 zł. per month – a normal village preschool costs 400 zł. The local authority ensures space and equipment, as well as teachers' salaries. The foundation pays for a quality consultant and teaching assistant. Other costs, such as car rental for field trips, are paid by the parents or sponsors. Parents can also contribute to the cost of materials.

The benefits

Society. Thanks to the centre, a coalition has been established between the parents and the local government, which gives the residents more confidence and increases their participation in the community life. The location of the centres is also an important factor, for example if they are near a library it encourages the parents to check out books. Spending over a dozen hours a week at the clubs and sharing responsibilities, they can also learn from each other.

Environment. Plastic toys are generally not used in the clubs, instead the parents make rag dolls, sock hand puppets etc, which are easy to make at home from scraps or other material frequently available. The paints and pulp the children use can be made from organic ingredients such as salt or papier mache.

Economy. The initiative has an effect on the local job market by hiring unemployed teachers and giving library staff additional hours. Making use of free building space, co-operation with parents, development of cultural centres for the area, and low operating costs are just some of the successes of this undertaking. equipment and staff. It would be hard to find enough funding for the trust to expand, even if it wanted to, meaning that new clients are increasingly unable to join or participate. Any work sold through the shop or restaurants/markets goes towards materials/tools etc.

The experience	Design challenges
Peace of mind of providing your children with access to the school. Pride in contributing effectively to the education of own children.	Developing school services to allow the participation of the parents. Conceiving ways of stimulating children's creativity in inventing and manufacturing the toys.



'A great advantage of this programme is its flexibility, meaning it can be applied to any location. It is incredible that nobody offered any sort of negative comments ...'



People are taught about trade without attending a conventional course.

France, Paris

La Boutique Pédagogique – Training Shop

By Association T.E.R.E.M
<http://omnibusnet.org>

Solution

The training shop gives professional courses about the sales industry and allows students to put theory into practice in the on-site shop. The aim is to enable young people and adults who are either unemployed or of low education to find fulfilment through work. The shop only sells fair trade products. The main motivation of the organisers is both to reintegrate people into society and introduce ethical issues by selling fair trade products only. Students who wish to take part are first assessed by the ANPE then sent to the 'mission locale' which decides the best location for each individual. Training lasts four months with three weeks dedicated to internship. Every day the students come in the morning for their course, one opens the shop, and every two hours they take turns to run the shop. The students follow strict discipline, having to be present on time there and supervised at all times by the team.

Context

The project was founded and run by Marcel Finders and TEREM ('territoire et emploi'), created in 1992 to give young people the opportunity to go on exchange in Europe but later evolving to provide (re)integration into professional life. In Paris the training shops are set up in areas where they are needed. The drivers of the scheme are both social and economic: social because the students regain social and professional confidence; economic because it improves the living standards of both students and the producers of the fair trade products.

Current situation

The project was founded in 2001, and was supported by the European Social Fund for its three first years. As the training shops are recognised as training centres, the Conseil Regional de Paris contributes funds for each student under 26 and the DDTEFP funds for the older students. All money earned through sale of the products goes to the fair trade producers. TEREM runs four shops in Paris and its suburbs and wants to see how they work in a network. It has written a report to help other organisations start their own similar schemes. It has some other projects in the pipeline, including selling fair trade products online (at <http://omnibusnet.org>).

The benefits

Society. The training shops provide knowledge, experience and skills to empower unemployed people through sales training, with the added advantage of gaining experience in fair trade. At the same time, food producers get to sell their products at the right price and get their work recognised. Human contact is an important part in the reintegration process: by belonging to a group and meeting people the students become more socially confident. Also, being given responsibilities in the shop gives the students necessary self-confidence to succeed.

Environment. The fair trade system supports local agriculture, which allows small farmers to earn a living and to work in harmony with the earth.

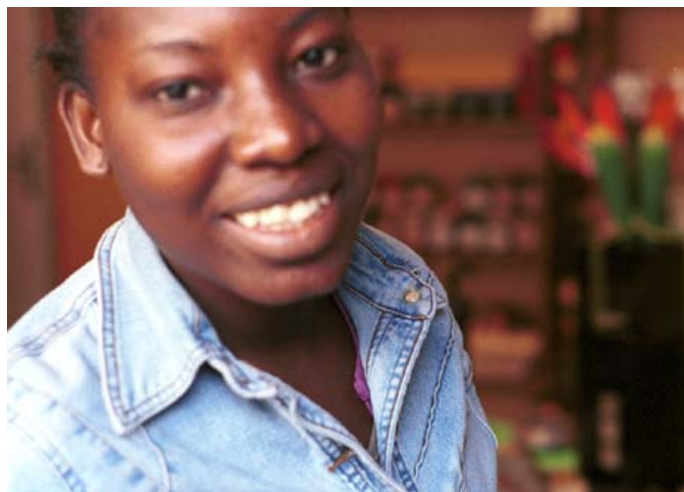
Economy. The shop has no commercial aim and is not allowed to compete with the local trade. It gets about 10 customers a day, but this is constantly increasing, thanks to the media, development of customer loyalty and word of mouth. The association's income increased by 60% in 2003, which it reinvested in the structure. It also benefits the producers, who are paid the right price for their work.

The experience

Feeling part of a big-family, a group, in a positive working atmosphere.
 Learning skills by doing and getting self-confidence to succeed in their working and social life.

Design challenges

Developing multi-service centres where complementary functions can be merged.



Des boutiques-écoles pour former les vendeuses

A PRES QUINZE JOURS de fermeture estivale, la boutique du 32, rue du Maroc (XIX) rouvre aujourd'hui. A priori ce magasin d'artisanat et de

produits issus du commerce équitable n'a rien d'exceptionnel. On peut y aller à loisir, acheter du thé, du café, des poupées africaines ou des boîtes laquées fabriquées au Viet

Nam. Pour les jeunes vendeuses charmantes à l'air un peu timide, cette boutique est surtout une salle de cours où elles découvrent leur métier « dans les conditions du direct », comme on dit à la télé-réalité. Ici, comme dans l'autre boutique pédagogique du XIX, l'association l'Éternel accueille depuis novembre des jeunes stagiaires de 19 à 25 ans, et leur apprend, au contact direct de la clientèle, les techniques de vente.

Pas une semaine sans offre d'emploi

Ces « élèves » sont pour la plupart des jeunes femmes sorties du système scolaire trop tôt, et qui ne comptent pas entamer un autre cycle d'études. « La formation m'a aidée techniquement. Je sais me servir d'une caisse. Mais elle m'a surtout donné confiance et appris comment me débarrasser de mes complexes », commente une jeune stagiaire. Dans le jargon de la formation, on appelle cela le « savoir-être ».



32, RUE DU MAROC (XIX). Ce magasin d'artisanat et de produits issus du commerce équitable accueille des stagiaires de 19 à 25 ans pour leur apprendre les techniques de vente directement au contact

justement de la boutique dans l'air du moment. Elle apprend à connaître les clients, à les accueillir, à les servir.

Derrière la culture du commerce de détail, les jeunes femmes apprennent à gérer un magasin. Elles sont responsables de la boutique, elles gèrent les stocks et les commandes. Elles apprennent à travailler en équipe, à gérer les conflits, à gérer les clients difficiles. Elles apprennent à gérer les clients difficiles.

Boutique pédagogique ouverte au samedi de 19 heures, 28, rue de la République, 75011 Paris.



A flexible, customised professional day nursery for small groups of infants, at a reasonable price, and with a socialising environment.

Italy, San Donato Milanese, Milan

Nidi in Casa – Nurseries at home

By Cooperativa Sociale Solidarietà è Progresso, Municipalità di San Donato Milanese
<http://www.comune.sandonatomilanese.mi.it>

Solution

The service is run for the municipality of San Donato Milanese by a cooperative of 80 members. It started in 1999 to organise services for infants and the disabled. It offers professional nursery care to small groups of two or three children under three years old. Children are assigned to a childminder, who looks after them in her own home. The carers look after and educate the children, and also take them to other activities for infants organised by the local authority to help in their social development. The service focuses on two main concepts: having a maximum of three children per house, making it easier for the childminder to take them out on her own, and that the childminders should be well-trained. The scheme offers new job opportunities, especially for immigrants, and a new, flexible and personalised kind of childcare. Parents have to drop off and pick up the baby at the carer's house and provide the baby's food.

Context

Developed as an industrial area back in the 1960s, San Donato Milanese is home to many young professional people and immigrants, all living away from their families and their help in raising their children. The number of children keeps increasing, and the existing nurseries cannot satisfy the community's nursery needs. In 1999 more than 60 families were denied places at nurseries. The local authority developed the service with the cooperative in 2000.

Current situation

At first, the families only used the service because there were no spaces in the existing nurseries. But today, even if places are available, and even though this service is a little bit more expensive, some parents prefer it to nurseries. What's more, families that start using the service for one year usually stick to it until their babies are three. In 2002, the service started being open to foreign residents and using foreign childminders, which was considered an important step in its development. Childminders are paid 3.30 euros an hour per child. The costs are shared between the local authority and the family: 20% is paid by the family, 20% is paid by the local authority and 60% is divided between the two according to the family's income. The cooperative supplies nappies and changing equipment, mattresses, pushchairs, high-chairs and toys. The initiative brings a monthly income for the cooperative of around 35.000 euros, which is partly reinvested in the service.

The benefits

Society. This service both offers parents a flexible solution to the problem of nursery places and supports the children's early socialisation. It provides jobs for otherwise unemployed childminders, which was especially important to immigrant residents who otherwise had had to have their children looked after by relatives living far away due to delays getting their visa. By working for the cooperative they can both take care of their own children and work for the community.

Environment. The solution optimises the use of existing private structures for semi-public and business activities, and reduces the number of journeys between homes and nurseries.

Economy. Using the childminders' own homes is a less costly and quicker solution for the local authority than building and administering new nurseries. The service provides an income to previously unemployed childminders.

The experience

For parents, being able to have a trusted, homely nursery so nearby.
 Being able to take part in the education of their own children and making a small home-based business using their own skills.

Design challenges

Creating dedicated spaces for common services (such as small private kindergartens) close to, or inside, residential buildings.
 Developing methods of allowing teachers and parents to communicate in real time.



Estonia, Tabasalu

NUBLU Minilasteaed – Mini kindergarten

By Ele and Raivo

Solution

Nublu mini kindergarten is a family childcare business. Its main aim is to create a pleasant place for children to visit and stay. The service is offered both by the day and by the hour, and it is open to two age groups: from one to three, and from four to six. It operates like any other kindergarten, with children playing, studying, eating, sleeping and going for walks, etc. The attitude to children, however, is quite different from a usual kindergarten: children can be picked up from their homes, and they are treated as individuals and according to their individual characters. Unlike a usual kindergarten, which discipline and order, at NUBLU the most important things are children’s needs and desires, for example cuddling children if they want it. The kindergarten works around individual children’s schedules and routines.

Context

NUBLU is in Tabasalu in the Harku district, and is mostly surrounded by private housing. Tabasalu is a reasonably wealthy suburb just outside of Tallinn with quite well-developed infrastructure; there are food stores, a school, a kindergarten, a clinic, a pharmacy, etc. The waiting list for the existing kindergarten was more than 150 children, with people enrolling their children before they were even born. This problem was seen as a business opportunity. The idea developed from the model of the micro kindergarten, whereby young mothers at home with their babies take in some more children to look after, creating an informal business.

Current situation

Ele and Raivo were confronted with the problem of lack of places in the public kindergarten when they had their own child. To solve the problem, they started a business of their own. They found a suitable house, made any alterations needed, and got all the necessary paperwork for establishing a licensed kindergarten. The kindergarten is still developing. None of the management has formal experience, and are working out problems as they go along. At the present there are 10 staff and 42 children. Fees pay for the salaries, meals and housekeeping.

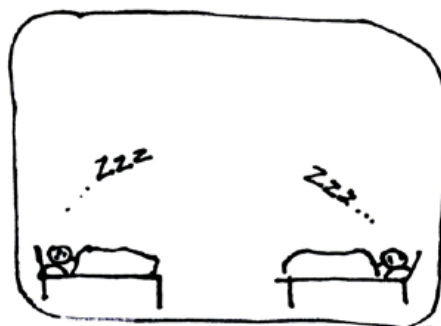
The benefits

- Society.** At this kindergarten children get individual attention. Its slogan is: ‘You bring your child to a friend’, and there is indeed a very friendly atmosphere. There are separate rooms for playing, sleeping, eating and bathing. Parents are kept informed about their children’s activities via e-mail, and are so far very positive about the kindergarten.
- Environment.** Having several small kindergartens spread around the town instead of a few big ones reduces the length of car journeys and saves parents time.
- Economy.** Being able to use the service on hour or daily basis, whenever it’s needed, can save families money.

The experience	Design challenges
For parents, being able to have a trusted, homely nursery so nearby, and being able to take part in the education of their own children and making a small home-based business using their own skills.	Creating dedicated spaces for common services (such as small private kindergartens) close to, or inside, residential buildings. Developing methods of allowing teachers and parents to communicate in real time.



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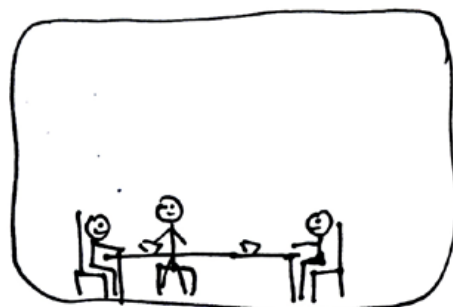
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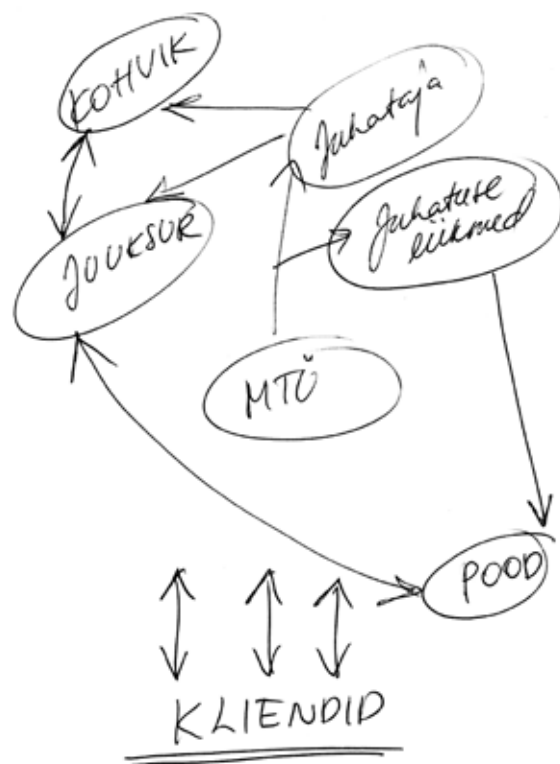
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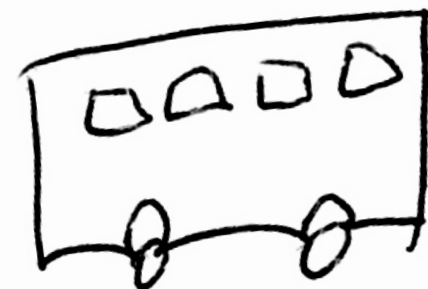
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HAPPY FAMILY:)



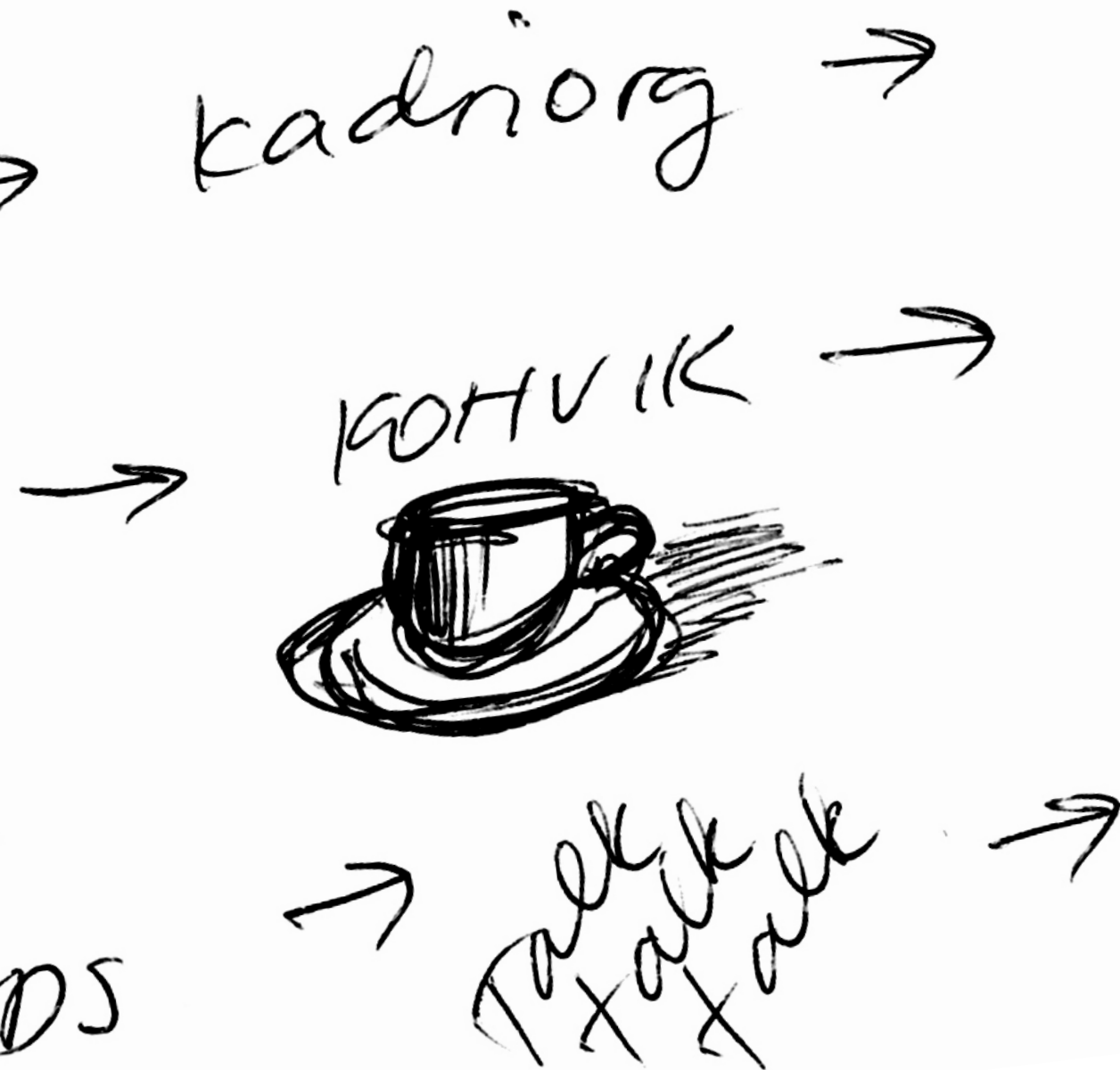
BOSS



NEW
FRIEND

socialising

121



Promoting shops, restaurants, galleries in a run-down street.

Poland, Krakow Bracka Street Festival

By The businesses of Bracka street

Solution

Once a year, in the festival, the owners of the shops of Bracka leave them open a few hours longer. Each year a festival meeting is organised, where people can put themselves forward to participate in the festival and present what they have to offer. People from the outside are also invited if they are directly affiliated with the streets, such as café customers. The festival has a rich artistic program, drawn up by the organisation and presentation of the works of young local artists affiliated with this place. The festival was born spontaneously and has no permanent program. What appears in a given year depends largely on the inventiveness of the participants. A characteristic feature, however, is that some trace remains after every festival, such as the Poetry Postbox.

Context

Bracka and Golebia are small streets located in the centre of Krakow. The owners of the majority of the shops on the latter are women, whose combined interests, passion and desire to work together made them decide to give the street a unified character. There are lots of intimate cafes, restaurants and small shops which, with the pre-war cobblestone streets, large display windows and several-hundred-year-old buildings, create a unique, charmingly tranquil, atmosphere. The idea of the festival sprang from the desire to share the area's extraordinary family atmosphere. The first festival was organised by the Partnership for the Environment Foundation, mainly dealt with ecology and was affiliated with Earth Day. For the past four years it has been organised by three restaurant owners, with the help of participants.

Current situation

The first festival took place in June 1998. It is the only event of this sort in Krakow that happens every year. It requires no formal administration to make it happen. Interest is so great that other streets are going to organise a festival based on it. The festival has the patronage of the mayor and the cultural department of the City of Krakow. It is inscribed into the city's calendar of cultural events, and though it is organised using personal funds and by amateurs, it works very professionally every year. Costs are minimal. Financing and arranging city permission is taken care of by the cultural department, and the city finances the amplification and stage equipment. Artists appear voluntarily, advertising is given for free, and all other costs are covered by one off contributions paid by participants.

The benefits

Society. In an era of social alienation and anonymity, such activities are sorely needed. They counter the mass sales of supermarkets, making shopping a more conscious experience and helps integrate society. Above all it integrates the city with culture, and appeals to a wide spectrum of audiences.

Environment. Only slight connection. The festival started off closely tied with environmental activism, but now the emphasis is more placed on showing off the location and its history.

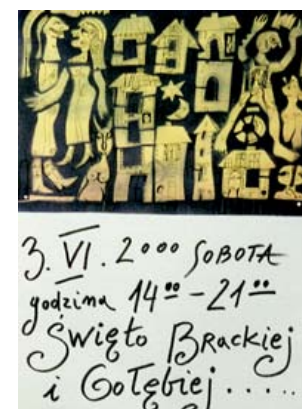
Economy. The festival brings many economic benefits, both individual and collective, promoting the area and increasing sales. It's an example of how a local initiative can have a positive impact both on those involved and on the entire city, which becomes more prosperous and attractive for tourists.

The experience

Enjoying the undeniable charm of the small shops in the city centre after usual shopping hours.
Seeing the one's own town in a new light, and meeting people having fun.

Design challenges

Designing light installations for the streets.
Making it easier to get permission from the public administration.



Readers enjoy new books, and exchange them easily, without having to store them at home.

Germany, Cologne Buchticket - Book Exchange

By Buchticket
www.buchticket.de

Solution

The website Buchticket provides a free service offering thousands of book titles for exchange. Users have to become members of Buchticket. Exchanges are then based on trust and a so-called ‘book ticket’, like a virtual coupon, which enables users to choose a book. One ticket is worth one book. To get more tickets, members have to contribute books of their own. If somebody is interested in a member’s book, Buchticket sends the book-owner an e-mail and they send the book in the post (Germany has a special low price for book postage).

Context

Most books we own are read only once. Afterwards they are mostly stored unused on the shelf. Giving them away as a present is not possible, so what to do with them? The idea of the book exchange was started by a group of five actors as a means of sharing books among themselves. They never imagined it would become such a big success, with a constantly increasing number of members. The technology was organised by a young media agency which organised job searches on the internet.

Current situation

The service has existed since 2002 and it is unique. Other exchange formats exist but not for books, and without the integrated forums and social platforms. The interface works perfectly, and needs very little maintenance. When it started, the providers thought they would have to invent fictional members to attract other users. This was not necessary and by 2005 18,000 members were using the platform actively. This number is still increasing without any marketing or advertising. The solution providers are considering extending the service abroad, and including DVDs, software and media products. A network of friends and supporters provides service and web hosting. The platform earns no money.

The benefits

Society. Society benefits from sharing things and the platform for communicating with each other. Without a technical platform this service would not be possible, and without the community and chat functions people would not use the service. In this way, IT and community tools are spreading sustainable ideas.

Environment. Fewer books need to be produced. Statistically people buy or borrow a new book when they’ve just finished a previous one, meaning that reading encourages more reading. By offering people easy access to new “used” books, the idea of using instead of owning diffuses into people’s minds.

Economy. Book Exchange saves users money, giving them new books to read without having to buy them.

The experience	Design challenges
Talking to other people about books. Meeting people with similar reading habits, who tend to have similar interests in general.	Creating technical platforms to manage the exchange of goods among people. Defining a system of trade not based on money.



Stefanie has some books that she doesn't need anymore...

..and she finds out about the Buchtiket website. She subscribes to the website and receives the bookticket.

Now Stefanie can send the books she doesn't need to the people that ask for them on the website...



Finland, Helsinki
Club Liberté

By Liberté
www.clubliberte.fi

Solution

Liberté was founded by the young people themselves, to enrich local culture and give local performers a place to perform. In creating the club, a group of non-professionals work together to create a professional outcome, using ‘street democracy’, improving the local environment, and promoting grassroots culture. The club offers activities seven days per week, and is already a big part of many people’s lives. A small company runs the financial side, but the club’s interior and its concept were conceived in collaboration with future customers and performers. The result is that musicians get a space that suits them well, and the city district gets the new music venue that it has been lacking.

Context

Kallio is an old city district of Helsinki that used to be characterised by cheap beer and lots of unemployed middle-aged people. During the 1990s and onwards, the number of students in the area increased, but the number of clubs and venues for them had not. The bars are still targeted mostly to the old customer base, and many young people have adapted to the situation. However, the chance existed for change, and many locals felt motivated enough to take action.

Current situation

The club started in November 2004, and is already running at its fullest capability. There are plans to expand, but the group wants to make sure it can run the club affordably. It is not the only one in Finland, and is part of a growing phenomenon. Many urban districts lack proper cultural services, and this idea, which starts in the grass roots, is based on the actual local needs. This phenomenon is already expanding into the cultural capitals of Europe and the USA.

The benefits

Society. The cultural scene offers young people a place to be involved in society. When a place is built and run more by young people themselves the process is more democratic. When this is also done in a city district that lacks the proper cultural arenas for small band and club activity, the profit is invested in future exhibitions, happenings and possible workspaces. With the new club the musicians get a nice place to perform in and can easily create new fruitful connections. It also encourages marginal musicians and therefore further aspects of culture.

Environment. Only slight connection. There are no direct advantages or disadvantages for the environment, the emphasis is more placed on societal benefits.

Economy. When the work is done as a group it enables a sophisticated result to be produced for a lower budget. To reduce costs, the club staff have had to work on a local level and use recycled material as much as possible, in the most effective way. The club gives job opportunities for various people, and creates a more democratic work environment through using Tosko Catering.

The experience	Design challenges
Discovering unknown musicians and cutting-edge music. Being part of underground initiatives and culture.	Designing bars and venues with new collaborative patterns of customer-owner relationships.



'Commercial enterprises offer service based on the biggest profit... This has led to low level of cultural activity. Club Liberté started recently and is already enriching the local cultural scene'



Poland

Exchange corner in radio Krakow

By Radio Krakow
www.radiokrakow.pl

Solution

Exchange Corner is a radio program that enables listeners to get rid of used or unneeded possessions, or exchange them for things or services they do need. For example, an old fridge can be exchanged for a session of window cleaning, piano lessons for food, etc, with services on offer including home painting, tutoring, or building assistance. The program is especially important for old people, and helps listeners make friends. The program is broadcast Saturdays between 10am and 12pm. Krystyna Wojcik reads out the classified ads, which she gathers from the telephone calls, then selects matching offers and puts interested parties in touch. Many of those ‘matches’ develop into friendships. An essential part of the initiative is the elimination of money from all transactions, so even those with little money can participate. The radio does not oversee the exchange itself, only facilitates it.

Context

Radio has always been a good way of telling a large group of people about an event or social action. Krakow’s residents attach a great deal of importance to tradition and history. The initiative was begun by Ms Wójcik, who saw the need among the less wealthy members of society for a small exchange trade as a way of acquiring necessary but often expensive equipment. This initiative met with great approval, and turned out to be useful for the majority of the local residents. Everyone can get rid of unnecessary items to mutual satisfaction, and in doing so make new friendships.

Current situation

Exchange Corner has been running since 1990, and is the only exchange scheme in the world to make use of radio, and the only one to eliminate money, relying exclusively on an honest, often symbolic exchange. Its many years of operation and the number of exchanges testifies to the huge popularity of this sort of undertaking, and to what degree it has been accepted. Although the service is at an advanced stage of development, after many incarnations and organisational changes, it could be even better, without becoming commercialised, and remaining an intimate and well-operating initiative. The only person paid is an employee of Radio Kraków. Any possible costs associated with exchanges such as transport are not monitored by the radio station, which is solely a go-between.

The benefits

Society. In an urban society with a large population, local radio makes exchange easy, rational and practical. It enables people, also sick and bedridden, for whom listening to the radio may be the only way to receive information, to find out about items to exchange, and acquire often essential objects by phone, as they are unable to leave the house.

Environment. The exchange radio programme gives a second life to unused objects. By offering people easy access to new “used” items, the idea of using instead of owning diffuses into people’s minds.

Economy. From a financial and economic perspective, this activity is peerless, as it requires no financing or sponsorship yet facilitates honest exchanges. The cashless nature of the transactions is also, from a financial perspective, an interesting alternative money system. The greatest users of the service are the less wealthy residents, families with many children, or the disabled. We can ascertain this from the great number of requests for cribs, orthopaedic equipment, wheelchairs and pushchairs for children.

The experience	Design challenges
The novelty of the radio providing unexpected answers to personal needs. Enjoying social interaction while solving a problem.	Designing sustainable delivery services from user-to-user.



Mr Waclaw wants to exchange his tape-recorder, so he calls Radio Krakow on Saturday.

Information about the tape-recorder is broadcasted during Exchange Corner.

Ms Maria offers her dictionaries in exchange for the tape-recorder...

...Mr Waclaw and Ms Maria Both were contacted via radio and a meeting arranged.

Finally and easily the exchange take place.



Environmental art and design exhibitions among nature.

Finland, Helsinki

Happihuone – ‘Oxygen Room’ cultural greenhouse

By O2 Finland
<http://o2.nettisivut.fi>

Solution

‘Happihuone’ greenhouse (‘oxygen room’) and garden in Helsinki city centre serves as a forum for environmental art and design exhibitions, workshops, and lectures. It offers city dwellers rare opportunities to see, learn about and even buy and use vegetables and plants, and to view unusual art and design products not in mainstream shops and galleries. The greenhouse offers the opportunity for various NGOs and grassroots groups to disseminate their work too. Eco-designers and environmental artists use it for exhibitions, and organic retailers and caterers use it to operate a café. NGOs use it for lectures and discussions, and educators use it for workshops.

The aim of the solution is first, to provide a flexible cultural platform ‘sustainable’ activities; and secondly, to educate the general public on sustainable lifestyles and design, functional plants, and alternative art and artists. It also acts as an urban garden oasis where visitors can relax with a fair trade drinks.

Context

The greenhouse sits in an underdeveloped park region in Helsinki city centre which, controversially, may be built up in the next few years. The project began in 2000 when Helsinki was one of Europe’s Cultural Capitals. One well-known painter suggested building a greenhouse out of old windows, use it as an exhibition space and café, with a surrounding garden of allotments. The next year it was not dismantled as planned but instead bought and used by a Winter Light festival, and then by O2 Finland, a non-profit association of sustainability oriented designers, which has continued to organise eco-design and environmental art exhibitions; operate the café; organise lectures and workshops; provide a venue for music, dance and theatre; and sell pick-your-own organic vegetables.

Current situation

The greenhouse and garden began life as part of a large city art garden. The scheme is interesting especially because of its temporality: intended as a half-year project, the greenhouse still stands and continues to motivate artists and cultural actors to exploit its location. It is also difficult for the general public to ‘classify’: is it a real, functional greenhouse? Or a garden? An art piece? A café? A gallery? This makes it an intriguing place. Each summer of operation it offers different services, as the management and operation depend on the individual/s in charge that particular year. Certain offerings (such as the café service or the textile workshops) remain relatively consistent, however.

The main source of financing is grants from the city and state cultural funds. Exhibitors must pay rent for exhibition space, and individuals can rent the building and sauna for private functions. Visitors can buy coffee, tea and snacks from the café, which operates at cost.

The benefits

Society. The greenhouse provides the city residents with an unusual place to visit and relax, to learn about and sometimes buy vegetables and plants, and to see exhibitions. Groups such as fair trade associations can promote fair trade products through the café. Artists may display their work. A drawback is that the voluntary work requires a high level of motivation on the part of members.

Environment. There are many educational lessons for visitors on the environmental benefits of functional plants such as flax and plants for natural dyes, on design for sustainability through exhibitions, and on the environmental value of the area, which is a popular nesting site for water birds.

Economy. The café system gives income and publicity to participating partners. Individuals such as students and artists gain summer employment through the employment office’s work placement programme. Exhibiting artists may sell their work. A drawback is that the greenhouse must survive on a grant-by-grant basis.

The experience

Contribution to culture, and to taking care of one’s own and common environment and feeling responsible for it. Enjoying a lovely place while attending events and debates about nature and environment.

Design challenges

Developing new ways of organising cultural offerings along themes, such as the environmental issue. Developing and enhancing the beauty of unusual places to attract initiatives, visitors and business. Creatively integrating different activities to generate enough people and interest to ensure a venue’s survival.

Authors
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 Cindy Kohtala

In spring the planting at the greenhouse starts: onions, flax fields, flowers, vegetables, herbs, while the peat smoke sauna is heated once or twice a week.

All summer visitors come for a cup of coffee and a game of darts. Exhibition openings throughout the summer are very popular and even educational.



The cultural greenhouse brings gardening and plants, and consumption of art, products, and culture together in an entirely new way, and teaches the urban public unusual lessons on nature. Its success lies also in its beauty, the aesthetics of the greenhouse and garden.

The Netherlands, Eindhoven
Meerhoven Senior Club

By Senior Club

Solution

Senior Club is an initiative by and for the elderly, which provides a space and facilities that stimulate social contact between pensioners, and sometimes the unemployed. They can come to the Club have a drink, play games, make crafts, or just talk, thus reducing loneliness among the elderly in this new housing estate. An important fact is that although nothing is compulsory, almost everyone contributes something. The club was started by a small group of senior residents, who collected furniture and materials and looked for a suitable location, ending up with three classrooms in a primary school. They combined two of these rooms by breaking down a wall, creating a cosy place open on Tuesday and Thursday afternoons. The seniors run the club themselves, doing the cleaning, washing the dishes, doing the shopping and taking turns in bar shifts. This keeps the prices low and the feeling of involvement high. There's no membership fee.

Context

As people grow older, their social networks often fall apart. Friends or partners die and it is not easy to build up new friendships? Zandrijk is a new housing estate in Eindhoven build on a former army air base. Like many new housing estates, it now lacks liveliness and facilities, and the atmosphere is still like a building site. The old army barracks covered with graffiti, now being used as a skate bowl, contrasts with the dull terraced houses of the new district. Facilities like super markets, community buildings and sports centres will be not realised immediately. Since everyone is new in this neighbourhood and no one knows each other, a small group of elderly people took the initiative to set up a place to meet and socialize.

Current situation

The Senior Club has been running since February 2004. Although there are similar schemes throughout the Netherlands, as well as abroad, this one is unique for being set up by the users themselves, rather than by an old people's home, for example. Because the district is still growing and not totally occupied yet, the Senior Club will grow in the future, and will need a larger location and more facilities. Participants pay around 50 cents for snacks, which makes a small profit spent on, for example, a free Christmas lunch. Members maintain the location and facilities themselves by turn. Energy, water and rent are paid by the local authority.

The benefits

Society. Running their own club keeps seniors involved and active in society. The advantage to society is increased social interaction and improved atmosphere on the new housing estate. Although this program was originally only for pensioners, exceptions are made for others, such as those incapable of working.

Environment. Although the main purpose is social integration, the club shows environmental benefits, such as re-using a location and materials from previous activities.

Economy. The Senior Club creates an affordable way for seniors to meet other people and get out of their houses for a very few money. Drinks can be bought for cost price and there's no membership fee, allowing even those on a small pension to join in.

<p>The experience</p> <p>Being able to contribute to society, running a service which supports other people. Meeting other people with the same expectations and needs in terms of leisure time.</p>	<p>Design challenges</p> <p>Designing buildings which allow social activities in common spaces, not driven by business needs.</p>
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Elderly people support each other, earn extra income and dine out cheaply.

Estonia, Tallinn Omaabi – Self help community

By A group of elderly people

Solution

The self-help community of elderly retired people runs a shop and a little diner, providing opportunities to socialise, sell home-made handicrafts and eat out for the lowest prices in town. The community began as a few pensioners making handicrafts together, and selling them when they got the current building. It now has 48 pensioner members. Its building, near the city centre, with a ground floor acting as handicraft shop, cafeteria and hairdresser. The cafeteria is where elderly and lonely people meet up, hear live music once or twice a week, and eat very cheaply. The prices in the handicraft shop are also low. Most of the goods are made by members, with some from outside craftsmen, but the shop will only sell beautiful things. Self help was created to give old people a new lease of life and a new sense of ‘family’. Self Help Community is always looking for outside help, because their financial situation is not quite enough to keep going independently.

Context

Estonia is at a political stage when lots of the population feel insecure. Pensioners and widows find it especially difficult to find their place in today’s fast-moving society. During the political changes of the past 12 years ago, society has become more focused on the young. The welfare system is not very highly developed – pensions are low and lot of old people have financial problems.

Current situation

The organisation has been going since 1992 and is working well. Whether it can keep going in the future depends on money. If the government could give just a little support the group would have no problems carrying on. Profit is only made in the handicraft shop, which keeps a percentage of the price to pay for electricity and firewood for heating. Every member works in the shop for free, although they might get some food stamps for the cafeteria, and does a shift three or four times a month.

The benefits

- Society.** Elderly people who feel in good shape rich, in experience, can keep being active and useful in the neighbourhood. They can help others and the others help them. A very important task of the Self Help Community is maintaining Estonian national handicrafts, keeping the tradition going and passing knowledge to younger people. Now it has joined the EU, Estonia, a small nation, needs to keep its own cultural traditions and national character.
- Environment.** The handicrafts use local and traditional materials and resources, and their manufacture suits the local environment.
- Economy.** Estonia’s cost of living is increasing and most old people in Estonia are very poor.Omaabi enables consumers to buy things for cheaper prices, and the elderly can buy cheap food and services and get benefits from their work.

The experience	Design challenges
Feeling useful in the society, running a service which supports other people. Meeting other people with the same expectations and needs in terms of leisure time, though not having to do anything special.	Designing easy-to-use handicraft tools for amateurs. Developing multiservice meeting centres for retired people, integrating different activities and open to the all residents. Designing buildings which allow social activities in common spaces, not driven by business needs.

Everyone in the community has similar problems and outlook and everybody has the will to help and care. Most of the members are well-educated women who have worked as specialists and scientists. Together they have Christmas, birthdays or other celebrations: the attitude is to get over personal problems and give happiness to others.



‘There are many things in life that we do not think about. But these things may mean very much to someone. These things can be like the meaning of life. It was a lovely surprise for us to see old people with a smile in their eyes and positive attitude. The view from a designer – there are many aspects in life that we do not think about. Design is not just making life more beautiful – design also includes social, artificial and cultural tasks. The main task for the designer is to ask himself – is there any way I can help someone?’



Old, sick and disabled people are supported in daily life.

Poland, Krakow
Raciborowice Senior Club

By Senior Club association

Solution

The Senior’s Club provides a place for making friends and sharing experiences and memories. The main aim of the initiative is to organise the spare time of elderly and ill people, who after working hard for many years, often on farms, have some free time. The pensioners and retired people meet every so often in a parish hall made available for them. Over tea and homemade cakes they take part in performances and stage shows, with sketches, songs and dance. The club organisers field trips and even pilgrimages. They also organise care of the lonely and house bound together. This initiative came about thanks to Wiktoria Mysliwiec, a Michalowice regional councillor.

Context

Raciborowice is a small farming community, with a population of 1,000, around 15 km from Krakow. The culture and social life is concentrated mainly around the parish church, which also operates as a small cultural centre. The residents either work as farmers or commute to Krakow, so it is mainly elderly people, or pensioners, who have free time. This is a very small place, so has few opportunities for cultural or social life. The elderly, despite being healthy and potentially active, used to spend most of their time in their homes.

Current situation

The Senior Club has been running since 1993. There are similar schemes all around the world, since it is a natural sort of activity for the elderly, but in Poland they are rare. The pensioners’ circle initiative in Raciborowice has so far only been replicated in small towns, even though administrative authorities are happy to support, and even sponsor, such clubs. The circle in Raciborowice works mainly thanks to the very low but regular contributions of its members (about 12 zł = 3 Euro a year), but it is also supported by the administrative authorities and the parish church, in which it operates. The circle has no full-time staff and nobody makes any money from its activities.

The benefits

- Society.** This scheme plays a valuable role in society. The attempt to give the elderly, often excluded and considered economically useless, a new lease of life is a great social service. Their families are also glad for them to have a way of spending their time, as it both gives the families a break and saves the elderly from stagnating and feeling useless, which leads to depression and infirmity.
- Environment.** Only slight connection. There are no direct advantages or disadvantages for the environment, the emphasis is more placed on societal benefits.
- Economy.** The club is self-sufficient in both organisational and financial terms.

The experience	Design challenges
Feeling useful in the society, running a service which supports other people. Meeting other people with the same expectations and needs in terms of leisure time.	Designing buildings which allow social activities in common spaces, not driven by business needs. Developing services to employ elderly people with long work experience in activities which can even make them money.



Bronislaw says that he started taking part in the circle because of the desire to help others, as well as to fill in the gap following the death of his wife. Despite the fact that he is so advanced in age, he is healthy enough to devote his time and energy.

People can share thoughts and opinions nationwide in real time.

The Netherlands, Eindhoven, and Worldwide Weblogs

Solution

A weblog is a site on the internet that is regularly updated. The first weblogs started as a simple website to quickly store information, and sometimes the creators would add a personal opinion. Nowadays they have evolved into a way for many users to express opinions. Postings from users range from stupid or even offensive pictures and movies to serious, even scientific, articles and columns. People can (anonymously) express their opinions, feelings and beliefs to a large audience, thanks to the internet.

Context

Conventional media, such as newspapers and television don't offer users an easy way to express opinions and to engage in discussion with others. Weblogs started because people wanted to share, at first mainly funny, information with friends and a larger audience. The success of these weblogs enables users to reach a large audience with their opinion.

Current situation

Weblogs can be realised with current technology and take minutes to set up. As internet access is becoming more widespread, the number of weblogs is growing quickly. Now conventional media are becoming aware of this previously niche phenomenon and are beginning to see the potential. Because they use open source technology available to everyone with an internet connection, and can be seen by a large audience, weblogs evolve rapidly. Some started only two years ago with a handful of visitors and now receive more than 700,000 visitors a day. This has accelerated the development of the technology behind the weblogs, which in turn improves the weblogs. Starting a weblog costs nothing. If users want a domain they need web hosting, which costs about 5 euros a month. Hosting costs increase when the weblog contains large amounts of information which is downloaded by users. Most weblogs rely on the work of volunteers.

The benefits

Society. Weblogs have had quite an impact on society, and give large numbers of people the chance to be heard by a big and varied audience. The potential for discussion leaves users better informed. Society can benefit because people can start discussions on the internet about things that bother them, and be heard instead of always listening.

Environment. Weblogs are aware of their potential impact, and have considerable power in raising awareness. For instance Dutch weblogs started quite large campaigns to raise money for the Tsunami disaster in Azie, all in their own specific way. And retecool.com lent its strengths to a popular radio station to raise awareness and cash for the problems in Darfur.

Economy. Weblogs are cheap and very effective, with powerful marketing potential. Many have their own merchandise shops. In the near future weblogs might also become commercially self-supportive.

The experience

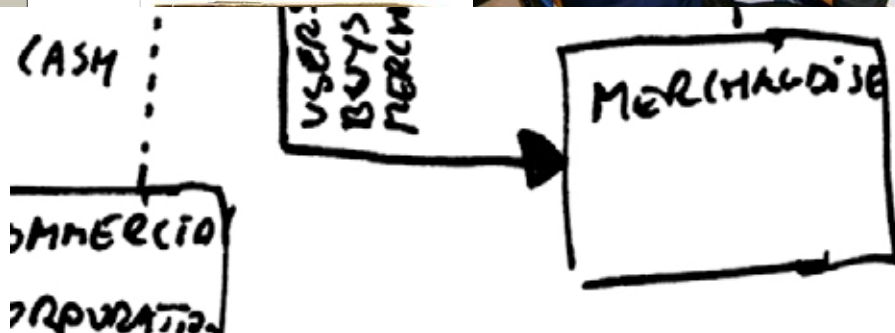
Having the chance, every day, to freely express opinions on current affairs, reading items of interest, with easy access.
Getting to know other people online.
For the creators of the weblog, raising awareness of their issue.

Design challenges

Developing a search engine for finding weblogs on particular subjects.
Protecting users and privacy while maintaining the freedom of speech.
Seeing weblogs as new equally valid way of gathering information as conventional media.
Controlling improper use, without restricting freedom of speech.

HOSTING
COMPANY

* = Also creator and different subtypes of users as can be seen in the previous page



Small record labels advertise and release their product; people passionate about music have easy access to experimental, non-mainstream music.

Finland, Helsinki

www.foryouears.com – MP3 distribution company

By Symptom Distribution
www.foryouears.com

Solution

The solution is a distribution channel and shop for small record labels to sell their products, enabling underground music to reach a wider audience. Buyers want to hear new kinds of music that the mainstream market does not offer, and sellers want to release their products.

On www.foryouears.com this can be done without spending too much money on the marketing and production of the physical products as they are in data form. The solution works much in the same way as traditional distribution companies. The music label sends their music to www.foryouears.com, which treats it a little to ensure consistent quality of sound, and publishes it on the site.

Context

Everywhere in the world small record labels are experiencing difficulties just as the majors are, but with a much smaller budget. Marketing of electronic music is all about word of mouth, because of low budgets and customers used to hearing about new artists from friends instead of from the radio, etc. Now studio quality is within everyone's reach, due to the lowering of software prices, the market has become saturated with releases of dubious quality. This, alongside piracy, is why vinyl distributors are going out of business, meaning fewer channels for underground music to be released. There are several non-profit players in the market, but they bring no income to the musicians, only get them noticed by the market.

Current situation

The solution was launched in summer 2004, but planning started in summer 2003. Some companies around the world offer a similar service, but www.foryouears.com is one of the very first. The solution has run smoothly since it started. Customers pay 0.99 euros per track, or less if they buy a whole album. Half of this stays in the company and half goes to the labels.

The benefits

Society. Society becomes more democratic, with recordings available to everyone, not just those first to get to the record store. It gives label owners and musicians, who in electronic music are often the same people, the opportunity to get their music published. Problems include the decrease in social communication between small record store owners, who are often the experts in the field, and the buyers.

Environment. Environmental benefits include a reduction in the oil used to make CDs or vinyl records, and the fuel used in their distribution. Traditionally the label sends the music to a pressing plant, the pressing plant sends the records to the distributor, the distributor stores the records and sends them to shops and smaller, more local distributors, which then send the records to their local shops.

Economy. Traditional logistics both use up natural resources and mean it takes longer for the labels to get paid. This new model of distribution is more profitable for the label owners, and therefore the musicians. Many of the traditional distribution companies have been known to rip-off smaller labels, which are unable to fight back, being in another country with different laws. In Symptom Distribution's scheme, the money gets transferred to the label monthly, so that in the case of fraud, the label can terminate the contract a lot quicker to avoid further damages.

The experience

Discovering unknown musicians and cutting-edge music.
Feeling part of underground initiatives and culture.

Design challenges

Developing a technological platform to exchange digital music recordings.

GET INFORMED

If you want to get informed of our activities, you can either subscribe to our mailing list or order an RSS feed [XML](#)

We also run a blog about the world of electronic music and technology.

LATEST NEWS

1. Asymmetric catalogue now encoded in 256k VBR
2. Gabriel Ananda album out now!
3. Gabriel Ananda's debut album out soon!
4. Selecting music is getting easier!
5. New PJVM single out now!

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Artist : Inigo Kennedy

artist appears on: [Asymmetric](#).



born in London 1972, Inigo Kennedy is a single minded
 own label Asymmetric has already reached over ten releases and his material has been also
 released by a long list of other labels including Rodz-Konez, Cutting Pleasure, Potential,
 Ergonomix, Urban Substance and many more. Today he is known all over the world as a talented
 artist and DJ with his own distinct techno sound.

Inigo Kennedy also records as Tomito Satori, Reducer, Fumiya Tanaka and Helki Törsum.

RELEASES



INIGO KENNEDY: THE POWER OF TEN
[Asymmetric](#) - ASY010 (2002)

Utopian by design and/or by coincidence?

This collection of cases highlights a number of different reactions to heavy societal trends in different parts of Europe. The cases cover a very wide definition of the concept of sustainability, where not only environmental matters are highlighted, but social, cultural and economic ones as well. They could be signals of unease among citizens, but not only that. They are also signals of optimism and belief in human potential. People believe that change is possible and they believe in co-operation, in community and creativity. They exemplify emerging user demand for sustainable solutions.

Youthful perspectives: the selection

The cases collected in the book are drawn from a larger pool of cases that young observers from all over Europe; design school students used as “antennas”, have found interesting, promising or challenging. Without going into details of procedures and on the number of hurdles and filters each case has had to pass, the common criterion for their inclusion is that they were perceived by the design students to be alternatives to what they hold to be the societal mainstream. The first selection, then, reflects differences of age, national cultures and the personal outlook and ideology of the antennas. Thus, we observe that students from Eastern Europe regard Slow Food as an alternative, while the students from the areas where the Slow Food movement originated, do not. Similarly, the perhaps most obvious example of social enterprise, the car sharing scheme, is almost absent. We do not know if this is because the concept is considered old news, or if it is because car sharing does not answer any widespread needs among students in big cities. It is probably a little bit of both.

This does not mean that students are only concerned with their own problems, but it probably has something to do with perspectives and paradigms. What you see has something to do with where you sit. The scarcity of car sharing cases is perhaps not more surprising than the scarcity of fair trade initiatives; this is another concept that either is regarded as more or less mainstream or that has failed to capture the imagination of design students.

The type of mobility that tends to dominate the cases is biking. Bicycles are affordable, they are environmentally friendly and they are elements in healthy life styles. Micro enterprises are built around repair, maintenance, bike rental and second hand shops. Different types of collectivism are developed by bike clubs and event races.

When we highlight sustainability, alternatives to mainstream trends, and bottom up initiatives, the bicycle really is the perfect “new urbanism” vehicle; it is reasonably cheap, it is non polluting, and it contributes to the social fabric and to the health of its user. An urban area dominated by bicycles, pedestrians, and collective means of transport is different from an urban area dominated by private cars. Further, the bicycle was an icon of the utopian communities based in Amsterdam in the early seventies.

The strong presence of bicycle related cases does not mean that design students are only interested in their own problems however. This would be an unfair accusation. Design

students all over Europe take an interest in problems of the elderly, of small children and of marginalised groups as well. What it does mean is that their approach to information hunting, combined with their more or less age based outlook on the world, gives the selection a certain bias. Some initiatives come into view easier than others. This is not a fault, it is a filter.

Actors' motives

With the focus placed on bottom up initiatives reacting to what is held to be the societal mainstream, we expected to find two main types of motives behind the cases. On the one hand, citizens' initiatives aimed at specific and immediate problems, like the *Nurseries at home* (*Nidi in Casa*) and the *Walking Bus* (*Andiamo a scuola da soli*). On the other, we expected more utopian projects, rather more ideological ones, perhaps anticipating future conditions, like the *Findhorn Eco-village*, the *Group purchasing organisation* (*GAS Gruppo d'Acquisto Solidale*) and others. These dimensions are present, but they are perhaps less visible than we believed them to be.

To have access to some kind of organised care for your children is actually a precondition for seeking employment, so if you need the income, *Nurseries at home* might be an immediate reaction to an urgent problem. Being a specific answer to a problem in your daily life, this solution might actually be unconnected to your more general ideas and ideals about family, about family and work and about ideal learning and developing conditions for children. In principle you might believe that free kindergartens should be offered to everybody by the community, or – contrarily - you might insist that all children should stay at home with their mothers until they reach school age. Still you could find yourself using the *Nurseries at home* in order to solve the pragmatic and immediate challenge of combining paid work and private matters.

The *Walking Bus* has some rather similar features. You, as a parent, want to make sure that your children are brought safely to and from school. Even if you envision another society and you hold well crafted ideas about urban planning, spatial solutions and traffic patterns, political action only yields results slowly, if ever, and your need for safe transport is here and now.

144 This realisation should not let us underestimate the additional benefits of the “urgent motive” cases. Some of them contribute to cross generational contacts, reduce isolation and strengthen the social fabric in general, result in fewer cars in the vicinity of schools, more physical exercise for children and for retired persons, allow single mothers to earn money and get out of the house and into society, give less inner city pollution and probably less inner city crime as well. But no matter how many added benefits we are able to identify, these initiatives are motivated by some kind of problem solving urgency. If they are utopian, they are so by coincidence. Some other cases seem to be more driven by positive visions and ideas about desirable futures. They are utopian by design. Individuals or smaller groups act as social entrepreneurs and employ resources like time, creativity or money to facilitate something that seems important. Not to solve a problem, but rather to follow a dream. The activities of *Group purchasing organisation* are mainly driven by wants and not by needs. The group is motivated by the members’ demand for purchasing products that neither violates human rights nor the environment. We regard this motive as more ideological than the pragmatic drivers mentioned above.

Given this dimension, these two types of motives for taking action, for engaging in societal matters and being an active citizen, we would expect the initiatives to be promoted by different types of actors. Behind the urgent cases we expect to see more or less ordinary middle class persons, responding to a challenge and a situation, while the utopian initiatives would tend to be more dominated by activists.

A lot of the cases will probably not fit into this urgent vs. utopian dimension, however, but more develop out of attempts at doing something interesting and worthwhile that corresponds to your political concerns. Further, the analytical split between needs and wants should not blind us to the potential strengthening of initiatives through a synergy of these two motives.

Participation, inclusion and marginality

A number of cases deal with initiatives to increase participation, empowering citizens and offering welfare solutions that re-introduces different groups into society. Some of the most interesting initiatives try to counteract the isolation of seniors, most notably the *Social elderly community Aquarius in the Netherlands*.

A rich society like the Dutch tends to have a rather large population of retired persons in reasonable good health that is rather well off, economically. Culturally and socially this group often suffers from isolation, loneliness and boredom. The establishment of the *Aquarius* community seems like an adequate answer to this situation; senior citizens (55+) living in separate houses but growing old together in a community with mutual and voluntary help and social support. This enables people to be active and independent into old age, until they need more intensive support and care. It is a fair guess that most young and middle aged observers would consider *Aquarius* to be the kind of place they would like to see their parents in, and eventually a place for themselves to grow old. This is both about empowering or enabling people and about social-cultural participation and about retaining an active life.

In a less affluent society like the Estonian the problems of elderly and retired people are quite different, so the focus of the *Self Help Community Omaabi* is more directed at providing food at the lowest possible price, at distributing free food coupons to elderly people with extremely low income, or no income at all, and at providing a venue for selling handicrafts to improve the economic situation. In addition, old people in Estonia obviously have the same need for communicating and socialising as old people more or less everywhere. So *Aquarius*

and *Omaabi* can be regarded as two specific answers to the problems of elderly people in two different economical and political situations. The Estonian case is perhaps a bit more need driven than the Dutch one, but both have to do with senior citizens that try to define their own problems, their needs and wants and who try to act in their own interest. As actors, they refuse to be marginalised by a society that often makes old people invisible.

Other forms of marginality beside the age related are relevant in a number of cases, like problems of unemployment and of addiction. Prime examples could be the *Job & Action Association* for the long term unemployed and the *Coach House Trust*, dealing with drug addiction and reintegration. It is worth noting that most of these cases are “multi” ideological; like the *Job & Action Association* that works from a primarily social perspective, counteracting negative effects of long term unemployment, but at the same time promotes environmental sustainability through repair and recycling.

In these “social” initiatives, we notice at least three different models of social action and enterprise. In *Aquarius* resourceful persons engage in improving their own living conditions by going beyond what the welfare state normally will be able to offer. In *Omaabi* marginal persons (marginality mainly caused by poverty) organise in order to protect themselves, while the *Coach House Trust* mainly is characterised by resourceful idealists who engage for improving the conditions of others. These three approaches to marginality are all valid reactions to some of the shortcomings of state social security and protection against a runaway and all penetrating economy, even if social and economical conditions are very varied. All of them might be elements in a developing new active concept of welfare through citizen participation.

Alienation

The concept of alienation might mean a lot of different things; many of those meanings are relevant to the cases already commented upon, like powerlessness and isolation. Here, however, we want to focus on alienation from nature.

A major trend in modern societies is defined by the nature-culture split. People living in large urban areas find themselves alienated from natural processes, both as experience with rural landscapes and “free” nature and as familiarity with food production. In the early modern age this break with nature was wanted, nature was threatening and taming nature was conceived as a civilizing process. Originally the links between the farmer and the consumer in the city probably were numerous, but today they apparently have to be re-established. *Les Jardins de Cérès* was founded in order to create such a direct link between producer and consumer of food, and to promote organic production as well.

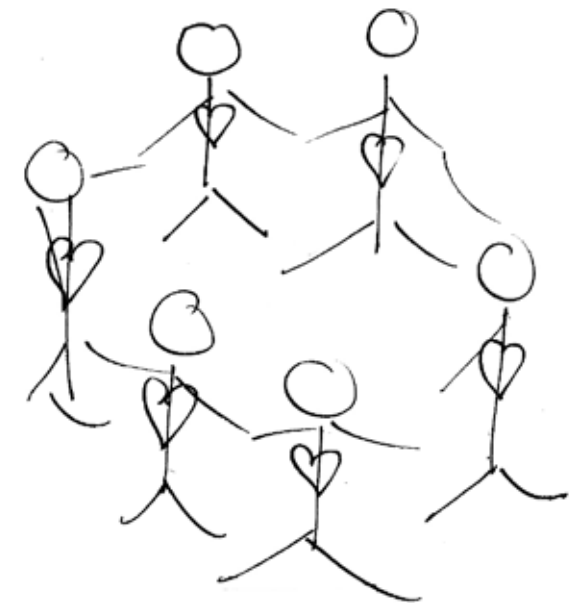
While *Nomadic Garden (Jardin Nomade)* works the other way, introducing nature and gardening into the urban industrial wasteland, engaging schools, the local community elderly people in beautification of the surroundings, in daily care and cultivation of a garden where social activity, cheap food production and closeness to natural processes go together. A lot of the organic food initiatives might also be seen in this context of a less alienating food provision; whether you subscribe to a home delivery Vegetable Box or you promote markets for organic food.

These reflections are really a set of sociological first impressions of the assembled material. More ambitious clustering and deeper analysis will be provided elsewhere; here we mainly wanted to identify some tentative patterns in and paths through this compendium of citizens' reaction to heavy social trends or to the more negative and frightening aspects of "modernity" and globalisation. Creative, active and resourceful agents try to push or pull society in alternative directions and try out elements of another way of life here and now. Some initiatives are small and rather local, while others are more ambitious, demanding organisation and capital, but all of them are initiatives aimed at generating individual well being, social quality and reduced environmental strain.

The relation between the promising cases and society at large is still rather under theorised, however. On one hand, we might envision a community or even a larger city where a number of these initiatives or social experiments were operating simultaneously, so that the accumulated effects of transport alternatives actually amounted to something. And where the inclusion and participation cases combined with pedagogical and cultural ones. A picture of an alternative future is present already, just by combining them. From such a combined picture we might be able speculate on the potential synergy of the cases. What might further happen in a community that employs a number of these initiatives and solutions?

On the other hand we operate without a clear vision of the development of the cases, and of their relation to the societal mainstream because we do not know if we mean to have alternative distribution of organic food as a permanent feature, or if we want to use the alternative channels to demonstrate sufficient user demand for retail chains to take over. Should the Dutch welfare state make *Aquarius* like solutions available to more or less all healthy retirees, or should such initiatives remain self-organised and bottom up? Is the *Walking Bus* a critique of modern city planning or is it a permanent solution for the good society? Should the difficult combination of parenting as daily care for children and parenting as earning money for the family be left to the individual and his ingenuity or is it a job for larger communities?

By identifying and presenting these cases of social innovation geared towards sustainability we have initiated a debate over these issues; we have highlighted small pieces of alternative realities that question and challenge the apparent inevitability of dominant social trends. At this stage they demonstrate that other solutions are possible. This is an important, but not a sufficient step towards re-orienting society.



European creative communities and the “Global South”

Are creative communities a global phenomenon? If so, what are their characteristics and where does their “innovation” lie? We observe that resource poor communities need sharing, mutual help and creative solutions often simply to survive, but it is also true that traditional values, social networks and community cohesion allows a natural cooperation, and sharing of resources and social tasks to provide services (eg. community doctors). The motivations of the creative communities observed in Europe are a different mix of values, including economic, environmental and social aspirations.

“Developing countries” can be found in all parts of the world and include a vast number of cultures. Here, one can find a myriad of situations ranging from remote villages, or nomadic people who live in harsh environments, to urban, educated professionals who enjoy middle- and upper class living standards that rival the material intensive lifestyles found elsewhere in the so-called “developed countries”. Likewise, some of the harshest conditions of poverty can be seen in countries defined as ‘developed’. The concept of “creative responses to emerging needs” to define the solutions produced by the creative communities therefore changes vastly whether we look at the urban middle class in Niamey in Niger or at the nomads living in the desert areas of the same country, to the upper class in Sao Paulo or to the remote rural communities in China.

For this reason, we chose to focus our discussion on the term Global South as it is preferred over “Third World” or “developing” countries. This term allows for an acknowledgement of the diversity between these countries, while accepting that because of common development trajectories, the countries of the Global South face similar challenges with regards to sustainability. When viewed from a strictly economic paradigm, the economically underdeveloped countries of the Southern Hemisphere, mainly in Asia, Africa, Oceania, and Latin America can be considered as an entity with common characteristics. These include a growing middle class, poverty, high birthrates, and economic dependence on the countries of the North (ie predominantly Western countries in the Northern Hemisphere, which includes Europe). For these reasons, adopting a Global South perspective allows one to create a link between sustainability concerns and actions at the grassroots and the macro levels.

A common feature among the European promising cases, and cases evident in the Global South is that they all address, to varying degrees, problems associate with sustainable consumption. These range from consumption of basics such as food and clothing, to mobility and social relationships. Sustainable consumption should be understood as a situation where consumer needs and demands are fulfilled in as efficient and resource lean way as possible resulting in minimized negative environmental, social and economic impact. The ultimate goal of sustainable consumption is improved quality of life for all consumers. For consumers in the Global South, sustainable consumption is also an important strategy for poverty alleviation, where improving access to basic services such as water and energy facilitate economic development. This is evident from cases such as the *Mumbai Grahak Panchayat (MGP)* in India (Charkiewicz, Bennekom and Young, 2001). It is an innovative distribution model that uses

cooperative purchasing to promote cost savings for the consumer, but also contribute poverty alleviation through sustainable consumption choices. For example, the *MGP* purchases from Tugi, a company that buys fruits from forest dwellers – a socially marginalized group - and makes them into preserves, thereby ensuring that they do not have to use slash and burn agriculture to survive economically, but can use forests in a sustainable manner. Care is also taken to avoid excessive packaging and deliveries are packed in reusable cloth bags. Due to the membership size (almost 17,000 families) it makes a considerable impact.

The promising cases of social innovation in Europe and the Global South evidence that creative communities do exist and moreover that they are re-orienting their spatial, temporal and human relationships toward increased sustainability measured from social, economic and environmental aspects. Some cases do address all three dimensions of sustainability such as the eco-housing examples, such as *Findhorn eco-village* (UK) and *Sustainable Housing and Living De Kersentuin* (The Netherlands). At the same time, cases such as the *Milan Car Sharing*, while at first glance appear to support environmental goals of reduced pollution etc, do not necessarily translate to a sustainable solution from a macro perspective. In this instance, improvements to existing public transport infrastructure and additional financial and convenience incentives for consumers could have a much larger impact on the environment. Of course car sharing, as all the other cases, is not the only solution, but is a possibility to reduce traffic-related pollution and, most of all, to break the culture of mobility that is tied to single-user car ownership. In addition, most of the promising case solutions appear to be highly localized and mostly occur on a small scale. Self-organization and bottom-up innovation are also key commonalities between the cases. In this respect, European consumers appear to mainly be motivated by predominantly ethical concerns, striving for a balance between material and physical well-being, civic duty and social reconnection. Therefore, it was important to question whether creative communities in the Global South are motivated for similar reasons when they engage in developing solutions for their own problems. We can observe that the European cases might be applicable to Global South communities that are urban, educated and have similar consumption patterns to consumers in the North. However, this is not necessarily the case for resource poor communities in the Global South. To reflect on this question, we now consider the interaction of creative communities in Europe and the Global south based on the three pillars of sustainability: social, economic and environmental dimensions.

Motivations for sustainable innovation that focus solely on social engagement do not translate equally in the Global South context. This is because, collective identities are still prevalent to a high degree in many societies outside Europe. Despite the challenges posed to such collective identities in the wake of increased urbanization and loosening of traditional gender and kinship roles, non-Western societies are generally far more rooted in a strong human infrastructure. This human infrastructure alleviates problems associated with child-care and care for the elderly that are experienced in Europe as highlighted by the *Playground café Cafezoide*, *Self Help Community Omaabi*, *Social elderly community Aquarius in the Netherlands* and *Senior Club (Raciborowice and Meerhoven)* cases. For instance, in many cultures the concept of family extends beyond the concept of the nuclear family and encompasses a much wider set of relationships.

Urban communities in the Global South, started developing the features and relative “illnesses” of the so-called modern industrial societies rather recently. These features find a rather strong resistance in the traditional way of living of the majority of the populations and in the traditional values of family and community. Even the most cosmopolitan upper/middle class in the Global South still live in a mix of the two models and integrates the traditional structures with the newly adopted modern lifestyle. This is evident for example in the “joint-family” systems of India, Pakistan, Bangladesh and Sri Lanka. This is a reason why urban societies in developing countries do not (yet) have the same feeling of alienation and individualism that seems to be the major driver for the creative communities in Europe. Creative communities have created something new; they have organized their time, their days sometimes, or their leisure around the idea of sharing and extending the individual sphere to a community one. Other examples also include the “paying guest” concept in many parts of South and South-East Asia, where students pay a small subsidy to reside with families in exchange for a room. Cultures of hospitality are also strong in the Global South and European cases such as the *Lodge a student at home (Italy)* and the *Living Room Restaurant (the Netherlands)* are areas where developing an information flow from the Global South to the consumers in the North could be useful. Without idealizing the social situation in developing countries, one can certainly observe a higher level of mutual help and community structure.

The Environmental Pillar

Similarly, while European consumers appear to engage in creative communities out of a genuine desire to consume sustainable and environmentally friendly products, these desires are not as evident among consumers in resource poor communities of the Global South. These poor communities are necessarily engaged in a daily effort to meet basic needs, and primary drivers in meeting these needs are oriented towards price affordability and safety, rather than environmental concerns. In addition, many of the daily practices of resource poor communities are already sustainable (such as high levels of re-use and recycling of plastic products) despite the fact that such actions are not branded as being sustainable.

Another pertinent point is that, the level of environmental and consumer education infrastructure is far less available to resource poor communities and this is a significant barrier to consumers having the awareness and self-organization capacity to reorient their consumption to patterns based on ethical or environmental criteria. Affluent consumers, who are aware of environmental problems, sometimes consider these issues as an obstacle to economic growth

in their own societies. Moreover, where sustainable collective responses are in place, these are more needs based than ethically based solutions. A clear example here is the situation of purchasing clubs. European cases such as the *Group purchasing organisation (GAS Gruppo d'Acquisto Solidale)* and *Local Food Link Van Group* cite concerns over food safety (health) and environmental pressures as key motivations for collective action, but also were encouraged since this sustainable behaviour offered practical economic advantages as well. Whereas, comparable initiatives such as the Zimbabwe purchasing club, cite product affordability as the main driver for action. Such examples highlight the limits of translating Western motivations on ethical consumption in the Global South where the paradox of poverty amidst plenty is evident. This not to suggest that consumers in the Global South are not motivated by ethical/environmental values, but rather that the scale of this motivation as it relates to sustainable consumption choices appears to be much more detectable in the European cases of social innovation. This could be due to a variety of reasons such as the use of different technologies and information platforms. It also highlights why more in-depth research on creative communities in resource poor communities is very much warranted. These cases also highlight the unique pitfalls associated with consumer choice and access where resource poor communities co-exist beside affluent communities. Another important factor is the widening gap between a middle class that is more and more oriented towards a more individualistic consumption and functionality oriented society model on one hand, and urban poor and rural communities that are still - out of necessity and cultural values- linked to intra-solidarity models on the other. In the latter case can we speak of creative solutions? The poorer levels of society, whether in urban slums or in rural areas, need sharing, mutual help and creative solutions sometimes simply to survive rather than for a “morally-driven” ideal as is the case in many of the European cases.

The Economic Pillar

The promising factor evident in the creative communities cases is that they are often embedded in local systems of production and consumption. Examples include those cases that have a tangible contribution to make to poverty alleviation through the promotion of sustainable consumption and production systems. In Europe, such cases include the traditional food markets, the *Sheep project (Poland)* and the *Cultural Greenhouse Happihoune (Finland)*. In India, a relevant example is that of the dabbawallas explained in detail in Box 1. As these cases indicate, successful examples offer localized solutions that help create the opportunity to develop skilled workers and generate employment, while reducing the material intensity of consumption. Economic and environmental benefits are to be gained from creating and supplying markets for sustainable consumer products. For the Global South, excellent economic opportunities exist to expand organic food production and pro-local sustainable production of cultural products, as well as traditional food products, not necessarily on a scale that will feed the ever-increasing desires of the affluent consumer, but rather for the needs of the local consumer. In this respect, building networks with creative communities evident in the *Cream o'Galloway Farm* and the *Training Shop (La Boutique Pédagogique)* could be very beneficial. Another persistent character in the middle class urban context in the Global South is the strong persistence of the so-called informal economy. Many of the needs that are addressed by creative communities are satisfied without the conscious and deliberated positive action of a group of people. For example, repairing, taking care of children, preparing food, keeping the streets clean etc. are often functions filled by groups of self organized people that would

be hardly visible in any social research exercise. A clear example here would be the rubbish pickers of Rio De Janeiro, Mexico City, Manila or Dhaka. They sort through garbage piles, often sorting materials that can be re-used or recycled not as an ethically motivated exercise, but rather out of a need for economic gains from selling such items. Future work on creative communities at the global level, should involve as much as possible, participants of such informal sectors.

From a wider context, in the Global South there are a number of examples of how creative communities are endeavoring to sustain themselves despite the new demands and pressures of globalization. Among the examples of efforts to sustain and propagate the value of local economies is Gandhi's concept of non-exploitative 'moral economies' and the village self-sufficiency he advocated in promoting the principles of swadeshi (interiority) and sarvodaya (improving everyone's living conditions) (Charkiewicz, Bennekom and Young. 2001). At the same time, the history of coping with pressures of development includes more recent experiences of creating local urban markets to generate a means of livelihood and reduce poverty and environmental stress in local communities. Among such responses are also mixed systems, a combination of international and local production, with local distribution, which still exists in many countries in the South. A case in point here would be the Coopa Roca Women's sewing cooperative in Brazil. Women from poor communities used materials that are either donated or recycled to create new textile products using traditional quilting techniques. These products are sold both nationally and internationally and have been a remarkably sustainable economic enterprise.

The International Institute for Environment and Development (IIED) identifies the benefits of such systems as having lower energy input, lower mobility of products and consumers, sustaining local jobs and preservation of sustainable production and consumption at the local level. Certainly such systems should not be romanticized, and many could be improved with an eye for instance on gender equity (Charkiewicz, Bennekom and Young. 2001). Such local consumption-production systems have not yet received prominent attention in the debate on changing consumption and production partners. Focusing on the contributions of creative communities could be a vital pathway in drawing attention to these systems.

Conclusions

Despite the obvious differences in motivations, there are many opportunities for creative communities in the Global South and in Europe to build synergies and exchange experiences. Such exchanges would be vital in moving the isolated cases of social creativity to a larger scale where they would be more visible on the global sustainability discourse. It should be noted that in facilitating synergies between creative communities, the aim would be not to replicate the models of civic action on consumption in the European creative communities, – which in any case cannot answer the problems encountered by those living in poverty in the South. The aim would be to overcome the more visible causes of poverty, and in doing so embrace the idea that a different form of consumption and production is possible and can form a basis of a consumption policy geared to promoting local production as a permanent dimension of the larger struggle against poverty. It translates to the generation of jobs and income for the poor who produce for the poor. Local products and services of the people's economy provide the basis for an alternative form of consumption, not only at low prices, but also engaging local resources and invention (Hagaye 1998).

To conclude, in the Global South, priorities in lifestyle differ from those of the North, including Europe's developed economies. Environmental impacts due to over-consumption or unsustainable-consumption are less understood and taken into account (although it is also true that the environmental impacts are smaller). Creative communities, as we choose to refer to them, certainly exist and create initiatives in accordance with local needs. However, the motivations and the direction of these solutions are very different from the examples found with the research and are less easily traceable. Moreover, though consumers in Europe and the Global South are becoming interested in ethical consumption, this in itself is not enough as it provides options to a limited segment of society and would not provide options to alleviate and prevent poverty by way of enabling sustainable production systems on a wider scale. Creative communities in Europe are inspiring cases and examples of the great value of a community and appear to be a search to re-build social cohesion. Therefore, they could be seen as well as a reminder to the Global South; like a whisper to keep their existing collectiveness as they go forward in their own economic development process.

BOX 1

Home-Food Logistics in Mumbai, India

What: Dabba translates as lunch box or tiffin carrier; wallah means a man. Middle-class suburban housewives prepare 3-tiered lunch boxes known as dabbas for their husbands, hard at work in the city's offices. The meal is delivered direct to the workplace by one of the city's devoted dabbawallahs. This system is one of the oldest basic-life services in town (dating almost 100 years of activity). This lunch-time home to office food delivery by dabbawallahs was originated by the military efficiency system of the British Raj.

Where: Mumbai, India. There are no dabbawallahs anywhere else in India (or the world), and they are extremely proud of their work.

How: every day, a crew of about 5,000 dabbawallahs, disseminated from the suburbs to the centre of Mumbai, deal with more than 150,000 lunch boxes. The meal includes a main dish, a side dish, rice or chappatis, and pickles. The dabbawallahs can't read but use an ingenious system of codes, colours and symbols to distinguish between the 30 dabbas they deliver on a daily basis. The task is completed in just two hours, from midday to 2pm, and at 2 o'clock the whole process is reversed and each box is returned to its rightful home, making no mistakes. It's a miracle of organisation and efficiency.

Price: a dabbawallah charges 200 rupees (\$4) per client per month and earns about 2,000 rupees (\$40) per month.

Special features: This is a very good example of keeping alive local cultures and food traditions. The success of the service is granted by the high-level vs. low-tech organisational structure and the ensuing satisfaction of customers. It represents an excellent alternative solution to the on-going increase of fast food and western-tendency restaurants in town, which threaten local food habits and the many different eating cultures of India.

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Emerging creative and sustainable solutions in Central Eastern Europe

We first reflect on the recent past and political change that took place in Central Eastern Europe in the late 1980s – early 1990s to better understand the circumstances in which creative communities started to appear and the reasons for their appearance. We then move on to commenting on the groups of cases presented in the book through examining them from the point of view of wider scale application to the CEE region based on cultural issues, consumer trends and recent political change.

Some background

Central Eastern Europe (CEE) is a region that can be defined in different ways; however, in this book this term refers to the Czech Republic, Estonia, Hungary, Latvia, Lithuania, Poland, Slovakia, and Slovenia - eight of the ten countries that joined the European Union in 2004. Apart from their common accession though, what is similar about these countries that made us group them together?

Most importantly, they all belonged to the so-called socialist block, which means that they all had centrally-planned economic and political systems that did not encourage local creativity, and kept choices (thus household consumption) at a relatively low level. At the same time, although initiative taking outside the communist party was not welcome, participation in the various activity and voluntary groups organised by the party was greatly encouraged - in a way often semi-compulsory. As a result, people were involved in youth groups, took part in local clean-ups, tree-plantings, party festivals, helped their children to collect waste separately, attended clubs for seniors and participated in neighbourhood watch schemes and in a variety of other collective activities. So, we can say that the communist party tried its best to include everyone in some kind of a group, each of which had quite a full and varied schedule of activities. Thus, unless you were someone with individual creative ideas, you felt integrated into society and properly taken care of.

In the background, however, there was mounting pressure on the environment as it was viewed as a resource freely available for exploitation, and neither material nor energy efficiency of production were priority issues. Additionally, full employment, free education for all, well-planned and cheap public transport systems as well as a very good social and health care system were very expensive to maintain. These, together with the increasing number of people demanding more political freedom, the freedom of speech and the freedom to self-organise, necessitated a change that took place in the late 1980s and early 1990s.

Creative communities in CEE

People in the CEE region, just as much as in Western Europe, have been active in finding and constructing their own solutions to their needs unsatisfied by mainstream society and/or the state. This is true in the countries of the CEE region, especially since the above-mentioned

change of regime. The variety of creative community solutions can be exemplified by the fact that a quarter of the cases presented in this book were collected from Estonia and Poland, two of the countries in the region. Now we will examine them following the logic behind the presentation of the cases in the book, and point out similarities as well as differences between the Western and Eastern European aspect of creative communities in the sections that we find most interesting.

Housing

There is a diverse selection of cases included in the book under this heading, some of them catering for the needs of the growing number of elderly, others focusing on improving the quality of neighbourhoods through gardening, still others promoting the extension of the life-cycle of building materials or furniture, and an important group of cases is about people searching for a completely new way of life in the form of eco-villages. Some of these groups of cases are more relevant to the CEE region than others as they cater for emerging needs or are part of the specific culture of consumption there.

For example, recycling and reuse on the household scale has a long and strong tradition in CEE. People are reluctant to throw their things away; they can always find a new use for old objects, give them to their neighbours or get rid of them at the annual junk-clearance organized by municipal governments. On the junk-clearance days, people put their unwanted objects, furniture, clothes, bicycles, etc. on the street and before the municipal government collects them anyone can come and take them away for free. This practice and the strong tradition of reuse can explain why initiatives teaching people new ways of reuse and recycling such as the *Furniture re-designing studio (Mööblikom)* or *Used construction material recycling (Materjalid.net)* are widespread.

Eco-villages appear to be very popular in the CEE region, too. In the book they are exemplified by the *Model Eco-friendly Hamlet in Poland*, but we can find a great number of similar projects in CEE countries. In Hungary alone we have information about more than ten eco-village initiatives. What is common to them is that they promote an environmentally friendly lifestyle including housing, work and food while attempting to overcome social problems. They offer complex solutions to various challenges present in the countryside: environmental degradation (organic agriculture and utilisation of alternative energy sources), depopulation

152 of villages (creating local jobs and attracting people from the cities), and lack of local jobs (reviving local crafts and traditions, as for example in *The Sheep Project*). The popularity of such initiatives in the region can be explained by these characteristics and the fact that they are often promoted by very devoted people who would like to find alternatives to capitalism and the market economy, the only options presented in the late 1980s – early 1990s. At the same time, initiatives aiming at solving housing problems and taking care of the elderly, such as the *Social elderly community Aquarius*, at least to our knowledge, cannot yet be found in the region. Similarly to the Global South, the elderly are usually taken care of by members of their own family in CEE countries. Another consideration is that in this region people most often own the house or flat they live in and are less likely to rent than in Western Europe. The elderly are very reluctant to sell their houses unless it is because they want to move closer to their families. Renting a flat in a communal place such as the one described in *Aquarius* is unlikely at the moment in CEE.

Eating

Reflecting on the cases relating to gardening and family-scale food production led us to the next group of cases collected under the title of ‘eating’. There are various traditions and trends that need to be mentioned here. First of all, quite a few people in CEE countries have gardens (often loan gardens) where they grow food for themselves and for sale in the local market.

In the very recent past, most towns held regular local markets where these people could sell their produce and generate extra income for themselves. However, with the change of economic system and more stringent EU legislation for markets (regarding food safety, hygiene and market operation), a great number of the markets needed to be closed down. This way, small growers were forced out of the market or now need to travel long distances to be able to sell their produce. Thus, initiatives such as the *Little Organic Market (Biomercatino)*, *Alfred Food and Drink Delivery (Chmielnik Zdroj Ltd)*, the *Eco-pantry (Ökoshaver)*, the *Natural Food System near the Roads*, aiming to assist small growers and connect them with consumers in urban areas are very important, popular in the region, and can greatly contribute to nurturing local traditions, livelihoods and diversity. Secondly, a trend that is just taking root is socially responsible purchasing, or fair-trade. At the moment, creative communities like the *Group purchasing organisation (GAS Gruppo d’Acquisto Solidale)* cannot be found in the region. If one would like to find fair-trade products he/she would run into enormous difficulties, as certified fair-trade products are very rare even in the largest cities. This, however, is likely to change thanks to the work of NGOs promoting conscious consumption and people’s growing awareness of environmental and social exploitation.

Commuting

When discussing the recent past of CEE, we mentioned that all of these countries had very effective public transportation systems reaching even the most remote settlements. At the same time, it was quite rare for families to possess cars. Even if families could afford to buy a car, they had to wait on an official waiting list for years before they could get one. These factors naturally promoted the use of public transport and encouraged car sharing among

friends and the extended family. With the change of the political and economic system both of these trends started changing rather dramatically. Families now often own more than one car, are very eager to use them, and - following a reduction of subsidies - the public transport system is deteriorating. Furthermore, an increasing number of parents drive their children to school causing traffic jams and air pollution.

Thus, the time is not yet ripe for initiatives such as in the *Milan Car Sharing* example, or the *Walking Bus (Andiamo a scuola da soli)*, but trends are definitely pointing towards times when they will be badly needed. As CEE countries are now part of the European Union, it would be advantageous for them to learn about such successful sustainably-orientated alternatives from Western countries, not only the examples of consumption-driven policy and practice that are so often aped.

It is important to note that cycling is increasingly popular in the region; however, the lack of good quality bicycle roads is a big obstacle to widespread use and further development.

Conclusions

In this section, we tried to draw attention to certain characteristics of the CEE region, but our analysis was far from comprehensive. As a conclusion, we would like to emphasize two messages that thinking about creative communities in CEE countries conveys. In the first place, a great number of creative initiatives exist in the region, some of them because they have been part of life there for a long time. However, with the advancement of consumerism, there is a danger that they may get lost and may not enjoy priority status when funds are distributed, as is in the case with building new roads over preserving and upgrading existing public transport networks, or erecting large shopping centres over keeping small town markets. For this reason, it is of vital importance that the contribution of these initiatives to more sustainable forms of living is valued and their more widespread use is promoted.

Then, learning as well as the exchange of ideas and creative solutions between the Eastern and Western part of the European Union should become general practice and facilitate a transition to more sustainable everyday solutions. Both the East and the West have a great number of examples to offer, and what has already been learnt in one region should speed up learning in the other, with attention to local needs and skills, and without endangering diversity, vital to the resilience and survival of any system.



Replication of the cases: environmental considerations and technological demands

These cases show creative people. People who socialize, who are innovative and whose behaviour creates an impact on society. We would like to see the cases being replicated by followers so as to increase the overall impact. What are the environmental lessons we learnt and want to take into account when we support such replication? And is it possible to support the cases by technologies and innovations in order to be attractive to a larger audience of followers?

Environmental lessons

All cases have been qualitatively evaluated on their impact on the environment. Both the intended positive contributions to the environment as the unintended effects on the environment are considered.

Housing

The cases within this category show:

- _ people living together and sharing (parts of) their life, living in one house, a building or separate houses within a small area.
- _ people organizing local activities for safety and/or a nice living environment and by doing so increasing the social fabric
- _ people that individually or within a group apply environmental friendly energy systems, building material, reuse furniture, etc.

The main environmental advantage of (new kind of grouping of) people living together is the reduction of energy use for heating because of shared use of living space. Heating is the main environmental impact factor of households. The smaller an average household becomes the more energy is used in total for heating because of inefficient use of spaces. Another environmental advantage of sharing housing is that it reduces building waste from old buildings and reduces the need for new building material. Some of the cases show initiatives that intentionally rebuild old buildings for co-housing purposes. And also the co-housing of students within private houses of elderly reduces the need for new houses. Moreover, living together, people experience less need to commute: they relate to, live nearby, like the case of the *Social elderly community Aquarius*. Finally living together also induces the sharing of products, like washing machines, lawn mowers, cars, bikes, as for example can be seen in the case of *Sustainable Housing and Living De Kersentuin*.

Some of the cases within the category of Housing show people that organize themselves and others to get a pleasant living environment, by inducing the safety in the neighbourhood, maintaining green parts, etc. By doing so, these people increase the social fabric.

The case contributes to the environmental by increase of natural environment in the neighbourhood (for example neighbourhood public green of the *Loan gardens*) or reduction of material damage. But, these initiatives contribute mainly to social cohesion, pushing people to do things together with a common aim.

The cases that show people applying environmental technologies are promising from an environmental point of view. In general centralised power generation seems to be efficient because of scale advantages; centralisation, though, induces transportation of energy. From an environmental point of view it is advisable to produce alternative energy on a local scale. It limits the need for transportation but is at the same time more efficient than production on an individual level.

What is interesting to see in a few of the cases is the motivation to organize on a local scale and to organize among a group of people. These forms of distributed power generation is a promising concept for environmental sustainability.

Considerations for replication

When thinking of replication the optimum of the amount of attendees to one initiative should be looked for. The more attendants to one initiative, the more there is to share. But a large group of users can induce the feeling of irresponsibility and as a consequence result in bad maintenance.

For social cohesion benefits it is preferable to limit the amount of attendees too. It is better to try to multiply initiatives and thus to facilitate starting up of new creative communities than to enlarge a creative community with more attendees.

A group of people that co-operate on a local level seems a promising concept. And a lot of cases can obtain a higher environmental benefit from incorporating environmental friendly systems.

Eating

The cases that deal with food and eating are almost all focussed on organic food and/or local produced food. The environmental advantages of this kind of food are less toxic substances (specifically for organic food), a contribution to biodiversity, reduction of energy use for

154 cooling, because of consumption of seasonal products, and for transportation, because of the local base supply chain.

The most negative impact to the environment is the land use. Especially for the production of organic food more land is needed, compared to the industrialised production of food. Transportation has an important impact on the total food chain. The way the logistics are organized determines the environmental impact of the food chain. The cases around food show closer interaction between consumer and producer: this will imply a new way the logistics are organised, but the way it is organised within the cases is probably not always more efficient

There are other interesting environmental beneficial mechanisms to be seen within the cases:

- _ reduction of choice but increase of the discovery of the seasonal food: the vegetable boxes offer customers organic or local food by subscription. People can not choose themselves, but have, every week, the availability of the seasonal food.
- _ increase the access to organic and or local food. Many cases are about offering people the opportunity to buy the food they want, by increasing the accessibility. The accessibility is increased by a market in the neighbourhood, near the road, delivery at home, etc.
- _ transportation of the local production in co-operation: the cases show good examples of co-operative providers making efficient transportation chains.
- _ people search for alternatives they want (see for example the people within the *Group purchasing organisation G.A.S.* that together buy food from local producers) according to various principles. The power of the group is again an important enabler .
- _ people take part in the production. The added value for them is that they know what they get, where it comes from, etc. And this induces the social cohesion and the sense of responsibility towards the environment too, as the cases show.
- _ people eating and cooking together. This results in more efficient use of energy for cooking, less food waste, etc.

Considerations for replication

A closer relationship between the producer and the consumer of food have several environmental advantages. At the same time the way the transportation is organised should be well thought through: co-operation for efficient logistics seems important as also covering a limited area for one service.

Commuting

The initiatives within the field of commuting cover varied parts of the transportation system: walking, bicycling, facilitation to public transportation, infrastructure and car sharing. The main environmental contribution is similar: the substitution of car kilometres by alternative means of transportation.

Cases act both on the means of transportation and on the infrastructures.

On one side, because of the car chaos in Milan, the *Car Sharing* seems to become a serious and attractive alternative to users. Especially as an alternative for people that feel the need for buying a car (and did not have one before) or want to purchase a second car.

On the other side, the same car crowdedness is a reason for the Milanese walking-bus (*Andiamo a scuola da soli*) initiative to fail to really succeed: the school is located between two very busy streets and sidewalks are often parked by cars, so that some parents of the children, although they think it is healthy for them to walk to school, do not think it is safe enough to let

their children walk by this special school-bus. This situation resulted in a minimum of attendees in this specific example.

With the aim to improve the condition of the public space, in Germany the *Cycle Association MFG Fahrrad Gruppe* was initiated in order to report the local government parts of the infrastructure that needs to be improved.

Considerations for replication

The commuting cases show that a system approach is needed and that small creative communities can offer dedicated solutions for a (small) part of this total system. Anyway it is needed to have initiatives acting on three factors:

- _ the means of transportation
- _ the amount of passengers and the optimisation of the journeys
- _ the infrastructures

Working

The cases that show alternative platforms of time and disposed goods (that also induces socialization among people) offer the opportunity to save on material use (as the *Time Bank* and the *LETS Local Exchange Trading System*, for example): product reusing becomes an option again. It can also reduce the need for time-efficient products (that often contain high toxicity or use a lot of energy during use) because mobilizing time of people seems to reduce consequently the need for “time efficiency”.

Some cases benefit mainly from the multiple use of products, services and spaces. Sharing of spaces induces efficient use of energy and building space: the example of the sharing office of *CICP (Centre International de Culture Populaire)* shows an association that facilitates small organizations to practice their work: a small organizations can rent an office and a meeting room and makes use of all kinds of equipment

Considerations for replication

The alternative trading platforms can introduce more individual transportation to transports people’s quality and products. In order to reduce this consequence the distance that is covered by one platform should be limited. And professional ways of transportation and/or environmental sound ways of transportation should be incorporated.

The cases that benefit from multiple users should search for the optimum of attendees. In case it gets too big responsibility and maintainability gets a problem.

Learning

In the category of ‘learning’, one is the factor impacting on the environmental issue: the use of communal spaces or the share of the space. This leads, for instance, to the reduction of energy for heating and induces a more efficient use of the living space.

Social care and helping people back to work by teaching new skills (*Coach House Trust*) can have an (indirect) effect on the (material) damage done to society, by drug addicts, criminals, etc.

The environmental impact of cases that focus on child care is not significant: the advantages will

lay mainly in the social field.

Considerations for replication

These initiatives, as in other cases, do well when the service covers a limited area. This will namely minimise mobility.

Socializing

The cases within this category show examples of initiatives that induce the social fabric of people. A few of the cases show alternative trading platforms (like *Book Exchange – Buchticket* – in Germany and *Exchange corner in radio Krakow*). Their benefit is similar to the one described under the category of working. But all cases in this category mainly benefit on social aspects and this will contribute to a better quality of life.

The long term environmental benefit of a better quality of life can be a reduction of illnesses and consequently hospitalisation (with a high environmental impact). This becomes specifically interesting for cases that focus on elderly. But it is still uncertain whether these initiatives actually will keep people healthier during their lifetime. Research needs to be done on this subject: what are the new life patterns of (elderly) people and what will be the impact on health?

Considerations for replication

Again, it is recommended to limit the area that is covered by cases that specifically deal with the socializing issue: this limits the distance the people live from each other and make lively interaction more possible.

Technological research issues

The cases in the current situation contain only minor technological support. The people that initiated the service concepts of the cases are people with strong motivation and, sometimes, strong ideologies. These “heroes” sometimes act from a need and sometimes because they want to. Both these groups of people show behaviour that will not become mainstream easily. We believe that technology is one way to support “followers” to apply to a service the “heroes” initiated. Or to support a follower to initiate a corresponding service himself. Where the heroes were willing to invest time and money to get what they wanted, technology can support the followers to get the same without what some of the followers will consider as “inconvenience”.

There are two ways to look at support from technology:

- _ technology can be added to an initiative to support the initiative as it is right now
 - _ technology can be added to make it more easier for followers to become participant of the service and technology that can support the starting up of corresponding services.
- They are much interrelated because technology that supports the initiative as it is right now, can make the difference for a follower to attend the service. However, the technological evaluation focussed on adding technology to support the multiplication of services.

What can be seen is that a lot of cases show similar technological opportunities, which are:

Co-operating

All cases face the problem of how to find and connect people with similar interests and aims. This issue is about how to find these people, build mutual trust, shared visions and, finally, a solid result-oriented partnership.

Synchronizing

A lot of cases face the problem of how to facilitate practical co-operation between people with different time organizations and how to facilitate product exchanges between people. Synchronization is therefore about how to tune people to people, people to products and even products to products. Fluidity is an important element of the need for synchronization: the need for fluid booking facilities, easy check of availability, etc.

Sharing

This issue is about organizing and maintaining the sharing of products and spaces by a group of associated people.

Who is going to maintain a product that is not owned by one owner? Who is responsible? How can products be made “robust”, because people are less careful with products that are not ones own? How can a product be made accessible without someone personally handing over “the keys” or something?

Personalising

Personalising can play an important role in the acceptance of sharing of products and spaces. How to achieve communal products and spaces that are able to recognize the different potential users and adapt themselves consequently? Can products be adapted to multiple users in a way that they are personalized for a specific user?

Ranking

Because the services offered by the creative communities are often small and have an amateurish character potential attendees will probably feel the need to know more about other people’s experiences and the perceived quality of a certain service. Technology can support the sharing of experiences people have with a specific service. This would offer the possibility of a bottom up quality evaluation.

Quality assurance

Linked to the former issues there will in some cases also be an opportunity for a more objective quality assurance. Technology can be used to assure the reliability of a variety of different entities (like people, places, services, products...). In some cases people will need a well-founded quality assurance for these entities. In comparison to the former technology demand, this demand has a more top-down approach.

Sheltering

A suitable place where a social enterprise can perform its service can be an important precondition for the arising of a new initiative. Sometimes the house itself will be the starting point, but often other spaces are needed. Can technology be of a support for achieving (finding) open, flexible places? And can technology support the managing of it in such a way that individuals and communities can give life to different initiatives and different forms of organisations?

156 Tracking and tracing

Tracking and tracing technology can support people in knowing where somebody and/or products are and what people are doing. How is it possible to localize and follow them/it? How to do it in real time and for a large number of people and/or products? This technology is probably also needed when technology is implemented for synchronization purposes and in a certain degree also for co-operation purposes.

Moving

The cases show examples of people getting together, most of the time physically and in a much lesser degree “virtually” by internet(-like) services. This can probably induce the mobility of people. People go for example directly to the farmer. How can we get people but also things from one place to another and how to do it in the most efficient way? Potential threat of direct relationship between producers and users and between users themselves is the increase of the transportation: these logistics are more difficult to streamline compared to large scale organized distribution.

Privacy-guaranteeing

This issue arises actually when technology is introduced and people are getting more and more connected to each other and to the products and spaces they share. When technology for co-operation, for synchronization, personalization and tracking and tracing is used, personal information of people is needed. How can people and products or spaces be connected to each other, traceable and be guaranteed of ones privacy in all other events of life, at the same time?

Payment

A lot of cases will face the problem of payment. Think of how to deal with payment for the use of a product. How can payment exchanges be facilitated? Especially for cases where there is not a clearly defined provider there is a need for support on this. How can this be done fluidly without for example the burden of continuously dealing with payment?

Environmental friendly technologies

Apart from these technological issues it has to be mentioned that the cases can also be supported by sustainable technologies like alternative energy systems, water systems, etc. New living forms like *Aquarius* could rather easily be ‘upgraded’ by environmental technologies. These new life forms offer possibilities for example distributed power generation. This would improve the environmental performance of these cases enormously.

Conclusions on the environmental effects and technological opportunities

The environmental analyses show some key-mechanisms that are interesting for the replication of the cases and can lead us towards environmental sustainability.

We can distinguish:

1_ New forms of group life

The cases show examples of new forms of group life that clearly add value to the users. Life of these people is quite interwoven among each other, but people also seem to keep their own space. These modern ways of communal living show interesting potentials for sustainability because of:

_ more sharing of products,

_ intensive use of (communal) space (and consequently efficient use of energy for heating) and
_ possibilities to (relative) easily add technological solutions for energy/ water saving and other environmental friendly solutions, etc.

2_ The power of the group

Consumers that group together in order to be able to make a sustainable choice (this does not necessarily mean living together). This would not be possible when people act on their own and often it would not be sustainable on an individual basis.

3_ Mutual help, organised in group form

People exchange time and skills in order to help each other out and to create a safe and enjoyable living environment. “People for people”. This solidarity induces the life extension of products, but more over enlarges the quality of life. This mutual help is organised in a group form in order to enlarge the exchange of help.

Behind this, we can recognise in the cases some positive actions in terms of environmental sustainability as:

- _ to enhance the solidarity between people: mobilize time of people to help each other out;
- _ to intensify the use of space;
- _ to organise on a local scale: to enhance the social interaction and minimise mobility;
- _ to enhance using and sharing in stead of owning;
- _ to induce life extension of products;
- _ to enable customers to make a sustainable choice (by offering sustainable alternatives);
- _ to offer a Customized solution (by offering a solution that fits to the situation);
- _ to reduce the choice (in order to create a high volume and efficiency and to avoid “wrong” choices);
- _ to co-operate for efficiency reasons (on a local scale);
- _ to add technology for saving energy use, water use, etc. if possible.

So far, some conclusion can be discussed.

First, the technological evaluation clearly shows points of connection for technological support: the opportunities per case differ, but on a general level, they are transversal.

Second, to support the co-operation of people could be of great help to enhance the replication of the initiatives and we see a lot of technological demands in that direction. How to find people with the same interests, how to form a group of people, how to communicate? This grouping of people, the co-operation and consequently the solidarity between them, seems to be a strong mechanism in the initiatives.

Finally, a lot of the technological opportunities seem to point towards ICT-solutions: on the other hand, also building construction technology and technologies for energy-efficiency seem to be of interest, next to design oriented technologies to adjust products to multiple users.

It is stressed that all the technological opportunities that are described here are merely suggestions.

It does not mean that technology is the answer for the replication of the initiatives and/or for the initiatives to grow. In interaction with the service providers and participants of the current cases, government and other actors it should be discussed what technological support really adds value. Also policy recommendations and new organizational forms can play an important role in the fulfilment of these demands.



annex

The network of schools. New ways for bottom up design driven innovation

Luisa Collina (Politecnico di Milano)

What lies behind a group of young designers from eight different universities roaming around European cities, armed with pen, paper and camera, on the look out for new creative solutions for everyday life?

What new idea of innovation, research, creativity and design is hidden behind the operation?

And why should a university like the Politecnico di Milano get involved in the creation of such a researcher network?

The hidden mechanisms

Behind the cases presented in the previous pages, behind the bright, even cheerful, coloured pictures of everyday life, lies a less attractive and more complex engine. This mainly consists of four largely intangible elements, which have together enabled us to build up an interesting and original body of knowledge:

- _ a survey network
- _ a codified process
- _ a tutoring service
- _ a technological platform

The survey network is made up of eight European design schools: Politecnico di Milano (Italy); The Glasgow School of Art - School of Design (Scotland); University of Art and Design Helsinki (Finland); ENSCI Les Ateliers, Paris (France); University of Applied Sciences, Cologne - School of Design (Germany); Department of Industrial Design - Eindhoven University of Technology (Netherlands); Innovation Center of Estonian Academy of Arts, Tallinn; Academy of Fine Arts, Krakow (Poland).

The selection of these schools as “antennas” was based on four main factors:

- _ pre-existing relationships (five of these schools form part of a network – MEDes Master of European Design – started up in 2001);
- _ geographical dislocation (in order to obtain a representative sample of European realities in a highly heterogeneous context);
- _ their proximity to presumably lively, dynamic and innovative urban contexts;
- _ their interest in acting as local project catalysers in this kind of unusual experimental activity.

Each of these centres called on a number of design students to carry out field surveys. The decision to use design students as researchers was made for several disciplinary and didactic reasons. These range:

- _ from their predisposition for non-neutral observation, since this is already orientated towards identifying future design potential, to their skill in transforming what they have observed into visual forms that are easily transferable to other subjects;

- _ from the opportunity to exercise their sensibility for observation and enquiry in an experimental activity of this kind, to the need to train their ability to synthesise and interpret;
- _ from the general relational “freshness” of young people, to the importance of bringing them in direct contact with different, untested, more sustainable lifestyles.

This experience and its results, both in terms of didactics and research, is the subject of contributions by Ian Grout for The Glasgow School of Art, Simone Maase for the Department of Industrial Design, Eindhoven University of Technology, Liz Davis for ENSCI Les Ateliers di Parigi and Cindy Kohtala for the University of Art and Design Helsinki, university teachers who co-ordinated and supervised the experimental activities in four of these European design schools.

To undertake the survey the university teachers and tutors were supplied with a kit (cf. essay by Meroni and Jegou) that was later distributed to the students themselves. This contained, among other things, ways of selecting potentially interesting cases (what do we look at?), kinds of survey data (what information do we collect?; in what format?) and the timing required (what is the deadline?).

The Politecnico di Milano gave back-up at critical moments (such as the start up of activities, the selection of cases for examination etc.) by taking part in presentation workshops and creating a helpdesk to answer questions from students and assess material as it was collected.

Lastly, a technological platform was the place for interaction between network co-ordinators and their “sensors”, for exchanging experiences between the “antenna” communities, and for storing the wealth of knowledge being acquired (cf. the essay by Ciuccarelli).

A complex, articulated, structured research process emerges from this brief backstage description of the project, which took almost a year of energy and hard work by a considerable number of people to bring to its conclusion. Far from chance, on-the-spot, survey methods this was a demanding way of researching, with aims that go well beyond the case collection presented.

Research hypotheses

Recognition is growing that as well as the purely technological innovation involved, the project contains other forms of significant innovation among which the creation of new organisational and managerial modes, new distributional processes, new social models, new projects and services.

One of the principles behind this project takes its inspiration from such recognition and, more precisely, from the idea that design is not limited to styling operations. Rather, it operates as a real innovation driver: so called “design driven” innovation, meaning a kind of innovation that is not necessarily (or exclusively) technological, but is hybrid, combining technology with social, relational, organisational, productive and market type components.

Design-driven innovation refers to the reconfiguration processes of value creation that are the result of the generative (i.e. capable of giving birth to unexpected solutions) interface between technical potential (the “field of what is technically possible”) and social potential (the “field of what is socially possible”). This principle has been made evident by the success of many small firms producing “Made in Italy” that have made formal, cultural, symbolic research, rather than advanced technology, the basis of their success.

If this is a shared principle then it follows that design research exists (EMUDE, which triggered the case collection presented here, is an example) and is exploring these ambits of innovation, the nature of which is very different from purely scientific and technological type research.

This kind of research is fed by social and cultural phenomena, as well as by technology, and by the organisational modes working in different international contexts, on different scales from mass to community down to the individual level.

Work in these ambits does not therefore limit itself to desk study but consists mainly of field research: a detailed examination of whatever is under observation in its usual context (focusing attention on context-artefact relationships, be they material or intangible-user phenomena) and in some cases even going to the point of involving the people concerned in self-observation and co-designing activities. In such activities there is a prevailing bottom up flow of information (from single individuals operating in their usual everyday contexts, to the researchers) rather than top down (where everything takes place inside laboratory walls and research centres) and the core activity is carried out by project workers, able to observe,

analyse, interpret, map out and visualise what is happening now and at the same time foresee potential future scenarios. In other words, the research here is mediated by the sensibility of designers called both to observe existing reality, picking up on its innovative features, and to outline possible visions for the future.

In this kind of research, analysis, interpretation and design merge, recognising the special nature of the information gathered through direct observation: information thought by some academics to be “sticky”, i.e. difficult to transfer if not in visual, qualitative, rarely quantitative terms, and capable of generating new design solutions already at the observation stage.

This is a kind of research that, as we said, supports an idea of design that is a long way from what can be seen on glossy magazine pages exalting the pure whim of the designer of the day. It is an innovative rather than inventive approach to design, where innovation is increasingly associated with discovering what already exists; with improving, transferring, hybridising, structuring, globalising and/or industrialising existing, but little known and as yet unvalued solutions that are at times homemade and localised in distant contexts; where creative processes are grafted onto such mines of knowledge as to generate visions and future scenarios.

We have been highlighting an idea of design that is certainly not new, but that is extraordinarily more important than the purely stylistic exercises ascribable to the specific tradition of Italian design (suffice it to think of the work of prominent figures in Italian design such as Ettore Sottsass, Alessandro Mendini, Massimo Morozzi, Andrea Branzi e Clino Trini Castelli). The prevailing design, or rather metadesign, research approach here is not limited only to the formal aspects; here the outcome of designers’ work does not only include products, but also design tools able to generate new visions and scenarios for the future.

What significance does this kind of activity have for a university?

It is by looking at this experience that one of the possible roles for a design university, rather than the institutions and the entrepreneurial fabric concerned, emerges: to provide research services, support tools able to sustain, activate and catalyse design driven innovation processes. This is a particularly important role in situations characterised by a web of small

enterprises that do not have an internal research and development unit at their disposal and where innovation processes have, up until now, been limited mainly to optimising production processes and emulating their competitors offers.

This is one of the purposes of the present collection of cases. It does not seek only to talk about innovative cases or enhance and clarify positive visions present in our contemporary society. More than this, it seeks to stimulate the birth of new solutions on a wider scale that are less amateurish and more structured; new service enterprises (both profit and non-profit) able to improve our quality of life.

The aims of the relational information system (the technological platform) and the network of antennas are even more ambitious: the intention is to set up a genuine research infrastructure able to pick up on innovation signals in various international contexts, to gather and file such information and, on the basis of this, to bring project design products into being (in the shape, for example, of cognitive maps, trend books, visualisations of future scenarios, etc.). In other words we seek to produce a sort of meta-tool able to support studies that differ widely, both in terms of theme and sector and in terms of geographical extension, sample size, depth and mode of analysis.

This will be a huge scanner called, for example, to reveal the diffuse creativity existing in a local area and in the everyday life of each one of us, by identifying and examining cases of excellence that stand out in current practice (whether of a social, cultural, organisational, technological or other kind). However, it will at the same time be capable of wide angle scanning, in order, for example, to map out lifestyles and contemporary habits, highlight existing general trends, or track progress and advanced scenarios for sectors with a high level of design content.

It will be an interactive platform, able to link researchers and project addressees – whether we call them clients, users, or beneficiaries – at times involving them actively in co-designing.

It will provide research infrastructure that can be set to give detailed, in-depth readings of exceptional cases and wide-ranging studies of diffuse practices; that can dialogue with possible interlocutors, privileged knowledge holders; that files this wealth of knowledge according to formalised protocol, making it available to designers and researchers.

On the basis of this mine of information researchers and designers are called to elaborate visual products of synthesis, interpretation and strategic orientation for the use of companies

and institutions. This is one of the tasks that the Politecnico di Milano, in its capacity as design research centre at the service of companies and industrial districts operating in the reference sectors, has appointed itself and on which it has started working through this and other projects.



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The Glasgow Experience

Ian Grout, Professor, Department of Product Design, The Glasgow School of Art.

I remember going to Brussels for the first meeting of EMUDE thinking that there was no time to fit another project into the programme and returning thinking that there was no way that we were not going to do this. It presented an interesting problem. So we simply ran that project as a parallel activity, giving an additional experience to our students. This approach also allowed us to attract participants from all year groups and especially those with a committed or growing interest in sustainability. It also enabled us to be inclusive of our visiting international students. In preparation we sent out a general invitation and started from an initial interest from some 30 students. Eventually, 20 were involved in the light cases search with 12 completing the in depth studies. We also took the strategic choice to extend our antenna activities beyond the city of Glasgow. Our rationale for this was to reflect more holistically the true nature of the Scottish culture where it can be observed that a significant proportion of communities leave the urban environment to live and act differently. Our intention from the outset was to be as inclusive as possible within the research framework.

We found working with the EMUDE methodology complimentary to our educational approach in Glasgow. Our courses are concerned with human centred design drawing influence from culture and society, working from a sociological perspective, to form new approaches and roles for design education and practice.

In undertaking the project we found that we were able to interact with our communities in a natural way and the experience was involving and rich, engendering an awakening realisation in the students of the value of being hands on and feet on the ground in their research approach. Likewise, we found that the communities were afforded and took the opportunity to reflect on and communicate what they were doing, why they were doing it and what value this had to their interaction with the wider world. One of the enduring memories is of being with people who, being driven by passion and vision make their own sense of an increasingly complex society. Another experience is watching the realisation within the students of the possibilities of researching and potentially designing from a different perspective, for a different set of values and a different kind of client. The project generated great camaraderie amongst all the students helping them to grow in confidence, maturity and perspective as they develop towards the new designers of the future.

In Glasgow the value of this project can be seen as part of a wider initiative, a new piece of the jigsaw puzzle of sustainable design if you will. The project occurred in Glasgow at an important time of experimental change enabling us to, in a concrete and physical sense, take theory further into action. Building on the EMUDE framework we have started creating projects more able to reflect the needs of society. Overlapping the project and running on to its conclusion some months later was a Green Mapping project looking at the extent and sustainable value of Charity Shops in Glasgow. It was informed and enhanced by our experience. This project encouraged our students to be more attached to the wider issues of design for society through active participation in the process of understanding people, their actions, needs and desires more clearly. It involved students being out in the environment and working with the users and stakeholders in a very direct way. Through this project we have begun to develop a new methodology for design, production, distribution and consumption being more clearly centred in an inclusive ethical framework. This will be taken forwards and developed in further projects.

We see these types of projects as neither top down, bottom up, conclusive or definitive but rather part of an evolving learning process. We can see that in this way we can encourage our students to participate in and reflect on the needs of the various stakeholders, both in the process and also the extended value of the activity of co-designing.

As we all know, the role of design is changing and as we continue to increase our knowledge we can, with a more certain assurance, project forwards to a new designer and way of designing. This future will be one in which it is essential to construct new methodologies, opportunities and meanings for design and to aid this we will need to develop new models of holistic, flexible co participation through which we may be able to give deep and meaningful sustainable design solutions for our emerging ecologically aware society. In this context EMUDE has been an important part of that development within the Glasgow School of Art.

The Eindhoven Experience

Simone Maase, Assistant Professor, Department of Industrial Design, Eindhoven University of Technology, the Netherlands

"This was the first time I had to analyse a product service system. Before I only worked on single products."

"...by doing the interview we discovered that the most important part of the system are the inhabitants themselves and their mutual approach to each other."

"I've learned that sustainability is more than long-lasting products or eco-design. It is about developing alternative and sustainable solutions that fulfil people's needs."

Contrary to the Scottish way of involving students in the EMUDE programme, we integrated the research activities in the bachelor phase of the Industrial Design curriculum at the Eindhoven University of Technology. We aim to train our students to become designers of intelligent products, services and systems. To develop their design competencies, students have to choose from a set of assignments. The gathering and analysis of promising cases is part of one of the assignments dealing with the competency "socio-cultural awareness". In this research programme our students had the opportunity to work in a real life scientific setting. Simultaneously the close interaction with people in society, gave them new openings for involving "users" in the design process, and, even more important, how to design with, instead of for people. As can be read in the students' quotes at the top, their view on design has widened. Presenting the cases to each other, created a platform for discussion among the students, which gave them valuable insights for their future design profession and the integration of sustainability in design.

The first round of gathering cases delivered 17 cases. Eleven of these cases are described in this book. Outside this research scope, students started to elaborate and analyse these cases further. The exchange between the creative communities and students was valuable for both. Students experienced a new kind of interaction with the people of the creative communities, making them more aware of the communities' motivators, needs and wants. Students also got the assignment to design an intervention for the case they analysed. This intervention could be at a systemic or product level and should increase the level of sustainability of a case. Asking for feedback from stakeholders in a promising case, created an even more profound understanding of the importance of stakeholder involvement in the design process. For the stakeholders of a case, the interventions created new insights in the way they set up the initiative, they got fresh ideas on how to improve the level of sustainability of their solution, and sometimes the design intervention even influenced the further development of a case.

In October 2005 we organized the symposium "Creative Communities and Design". The aim of this symposium was to disseminate the EMUDE results and create the opportunity for interaction between the creative communities, designers, members of the EMUDE consortium and students. Around 90 people took part in this event. The discussions taking place at the round table sessions revealed that co-operating with communities in the design process is relatively new for designers and manufacturers. Designers expressed the wish to integrate sustainability more in their work, expanding from eco-design to sustainability on a more systemic level. The latter is experienced as complicated and new.

From 2004 up till now over 75 students in the bachelor phase at the department of Industrial Design at the Eindhoven University of Technology, were involved in gathering and analysing promising cases. The Promising Cases Internet Repository is a still growing and valuable database for further research. As both assistant professor and school co-ordinator for this research programme, I had the opportunity to study the promising cases from new perspectives. Studying the development of the Dutch promising cases closer, made us aware of the presence of bottom-up co-design processes. Co-design in the design field is defined as a collaborative design process in which the "user" becomes the designer. Due to the fact that in a promising case often a lot of different stakeholders are involved, co-design methods and tools become of major importance for the successful development of a case. Any designed solution is only as good as the amount of stakeholder support, and the quality of the stakeholder involvement. Therefore, it is interesting to explore the tools and methods that are described in budding literature on co-creation, and see how these could be used in the context of the creation of sustainable innovations.

The Paris Experience

Liz Davis, Head Studio International at Ensci/Les Ateliers, Paris, France

It's easy to forget that the real experts of a problem are the people dealing with it in their everyday lives. In this sense, EMUDE has been a lesson in humility. The creativity demonstrated in the communities we worked with proved that the act of design is not exclusive.

Les Ateliers was founded in 1982 to educate designers to be partners in social and economic development. One of the school's early project groups (Richard Neill, Jean-François Archieri) dealt exclusively with socio-cultural cooperation and the studio international ran a design for development studio. Creative engagement was seen as essential in a society looking for feasible, sustainable, alternatives. We wanted to educate "responsible" designers.

It's not that easy to find project platforms which satisfy educational ambitions and offer useful results. It's a long journey from explaining the potential of design to non-designers and gaining the trust to create co-design partnerships. This research offered us the perfect chance for a human-led project, in situ.

After a pilot study in 2004, EMUDE was launched and programmed as an optional activity under the auspices of Studio international (Tutor: Liz Davis with the support of Licia Bottura, expert in sustainability). Working as a trans-European team was stimulating. It also justified the nocturnal sessions writing up cases in English on the website! Our own (small) team was also multi-cultural: French students led the interviewing and English-speakers were responsible for summaries. It was fascinating to discover which cases were "missing" in Paris or how certain dynamics were universal (*Cyclo-pouce* for example).

The case research and collection activity offered a valuable exercise in understanding context. Students learnt the value of non-directive questioning. They sensed the influences and interactions at play in a complex system and tried to break the codes. They learnt to be apprentice ethnologists without losing their design skills. It's all a matter of how to talk to people, to explain your skills, to build bridges of understanding. Finally, being invested with a task and a role within a consortium of experts demonstrated how important interaction is between professions. Many insights were gained from face to face contact which we would like to have shared. However, seeing the efforts of the schools taken seriously was hugely rewarding. It wasn't easy to unearth "bottom-up" cases in a society used to state-led initiatives.

However, many actions were created under the umbrella of "Associations 1901", deep-rooted in French culture since the invention of legislation supporting non-profit making alliances.

Success-stories were those which inspired new frames for further action. Recognition is the major reward for huge personal investment. The opportunity to share experience and knowledge and to inspire other groups to create their own projects is in itself an empowerment. The AQS association (The Saint Bernard Quartier neighbourhood Association) spent years persuading City Hall to "lend" an abandoned plot to local residents for a community garden. The resulting *Jardin Nomade* finally inspired a green charter for Paris, leading to a multitude of similar projects.

Although design follow-up was not part of our brief, we wanted to extend our relationships with the communities. Students Milamem Aberdmane-Dillah and Goliath Dyeres worked to improve internal/external communication with the CICIP community of associations (corporate identity, signage, organisational supports...). They then joined Solutioning-design in Brussels as interns working on the following phase of the research: the scenario building.

In 2005, EMUDE cases were presented as part of the Solutioning Design contribution to "D-Day" at the Pompidou Centre. D-Day demonstrated how design has matured into a creative process at the service of sustainability. A conference with Ezio Manzini and François Jégou allowed a design-related public to understand the EMUDE project and challenges. Subsequently, a meeting was organised for people interested in hearing our stories and visiting the Paris communities involved in the project. This was my chance to witness interaction between "the public" and our communities. Around an autumnal picnic in the *Jardin Nomade*, the mood was uplifting. People were inspired to action and a civil servant from a suburban city hall decided to look for similar cases in her town to offer financial support. Such weekend encounters, a personal initiative of Pompidou staff are a success-story in themselves. Paris city dwellers, often singles, sign up to learn more about a subject presented at the museum, meeting the people involved and visiting related sites. Friends are made, addresses exchanged.

Did our project coincide with increasing political frustration in France or a wave of new energy? It seems we were witness to an upsurge in community initiative, followed by an explosion of media interest in «good news» endeavours (see, for example "Le tour du monde en 80 hommes": meeting the pioneers of sustainable development. www.80hommes.com). The actors of the communities seemed delighted to share their stories. Possibly the very "telling" makes their achievement more tangible.

On behalf of the French team we would like to fondly remember Thierry Kazazian, 02 France, who for twenty years worked for the development of sustainable design in France and who was a constant support to our students. Thierry was lost to illness in February 2006.

The Helsinki Experience

Cindy Kohtala, lecturer, University of Art and Design Helsinki

From the outset of the EMUDE project it became clear to us – the Helsinki Antenna – that Finland is a very organised society indeed. Even the smallest grassroots group tends to organise itself and list itself with the Trade Register as a non-profit association, despite the rules and bureaucracy this entails. As with groups such as *Housing Oranssi - Housing company* and 02 Finland this is often for reasons of financial governance, societal recognition and greater ease in applying for grants and sponsorship funding.

Finland as a Nordic country also enjoys the benefits of a welfare state, but is experiencing the growing pressures on government expenditure and tax levels that most or all of the developed world is now undergoing. Complaints are common: people are increasingly dissatisfied with public health care (i.e. long queues for surgery and dental services) and are for the first time in decades unsure about what faces them after retirement. Generations of womb-to-tomb services have however rendered the general populace somewhat paralyzed: 'we pay high taxes – we thus deserve high quality medical care and security for the elderly. We should not need to create our own solutions.'

The issue to which this attitude does not apply as strongly is unemployment. Finland experienced a deep recession in the early 1990s and while unemployment has finally dropped to single digit figures, structural unemployment in particular remains a significant factor. Jobless numbers in the immigrant communities is also of growing concern, especially as it relates to assimilation or integration into an otherwise extremely homogenous Finnish society. In a country where the work ethic and social cohesion are valued highly, this has meant the development of many work creation initiatives, both bottom-up and top-down.

Another key observation that can be drawn from the Helsinki cases is that creativity and culture are extremely valued and deemed worthy of protection in Finland. Finnish arts funding is among the highest in the world, but, as with the decline of the Welfare State since the recession, governmental bodies (state and municipalities) have less of a role as the direct financiers of cultural services and arts activities. At the same time influential studies such as the ones conducted by Richard Florida have stimulated the discussion on cultural competence and the importance of attracting and retaining a creative, innovative workforce. It is thus important to business people, policymakers, and private citizens that Helsinki maintains its vibrant, creative milieu, and that Helsinki as an urban space acts as a platform for diverse cultural activities, large and small. Throughout the course of the EMUDE research, this topic came up again and again in our discussions, and indeed several of the Finnish students signed up for the course, attracted by its subtitle Creative Society.

In my view, this research project as a whole carries important lessons for designers, authorities, and entrepreneurs. Where we truly see systemic innovation in the promising cases are the many that seem to transcend generally understood categories of societal organisation and the boundaries between professional and amateur. For example, *Liberté* is a traditional bar and music venue from the outside, but *Liberté* patrons and musicians are much more involved in the club's operations and environment: this completely blurs the border between service provider and customer. The *Happihuone* run by 02 Finland is also a multifaceted project: on their first visit visitors have been inclined to ask if it were a greenhouse, or a gallery, or a café, or an interactive sculpture of some kind, insisting on a categorisation that is in the end irrelevant. *Housing Oranssi - Housing company* too would not exist in its present state without the innovative, progressive approach of Helsinki city authorities. One suspects that a more orthodox municipal decision maker would clear space in an existing student- or council house, thus sweeping the long-haired troublemakers – and the problem – under the carpet, as it were. Thanks to the collaborative effort *Housing Oranssi - Housing company* is now a viable economic concern, a cultural service provider and an employer to boot.

An ethnographic designer view

Anna Meroni and François Jégou* (Politecnico di Milano and Strategic Design Scenarios)

Eight design schools, a couple of hundred students, a collection of 140 cases, three years of work: these are some of the numbers characterising the collection of case studies on creative communities that forms the essence of this book. An enterprise distinguished by the fact that each case was the fruit of personal, direct contact between the designer-researcher and the main actors in the case itself. An absorbing encounter on the verge of ethnography.

Young designers as researchers

The cases presented emerged from a programme of research activities called EMUDE, funded by the European Commission as part of its 6th framework programme. The key element in the EMUDE programme was its partner group of 8 European design schools, co-ordinated by the Politecnico di Milano, whose task was to carry out a field search for creative communities. These “Antennas” worked through their students in the role of researchers: young university students from different backgrounds in the thick of their formative years as future designers.

In our role as co-ordinators for a substantial number of researchers (planned at around 200 but in fact more) and in order to obtain comparable results, we set ourselves a series of operational and didactic objectives.

The operational aims, those concerned with case identification and analysis, were:

- _ initially, to communicate and share the research criteria to be used in identifying possible cases for study;
- _ later on, to collect the first cycle of proposed cases for screening, in order to select the most relevant and interesting for in-depth analysis;
- _ to end up with a consistent collection of cases, carefully described so as to make them comparable both in terms of crucial content and visual material;
- _ to gather firsthand information on the phenomena observed, unfiltered by third party interpretation, and a sizeable portfolio of “authentic” images;
- _ to develop a case description model peculiar to a designer approach: peculiar because it is marked by a somehow characteristically “designer” ability to look at phenomena, and because it contains information of significance to designers.

Among the didactic aims were:

- _ to develop sensitivity towards the issues of innovation and social creativity, and more generally towards sustainability in socio-technical systems;
 - _ to stimulate the curiosity of researchers and enhance their personal creativity in research;
 - _ to feed enthusiasm and foster the young designers’ empathy with the situations observed
 - _ to provide students with, and at the same time experiment, an observation and work method that will be usable in subsequent activities and in their future profession.
- These were ambitious aims directing us towards a “field observation” approach that led

researchers along a structured path into direct contact with the situations analysed.

The reasons behind this choice of approach appear particularly evident in relation to the didactic aims:

- _ field research leads researchers to a direct acquaintance with the facts and therefore, potentially, to feeling they are discoverers taking part in what is observed;
- _ being in the thick of situations with strong emotional connotations (cases of social creativity where the protagonists will presumably have mainly positive emotions) generally provokes some kind of mirroring empathy (in our case, of enthusiasm);
- _ the experimental nature of the work method is more involving when it draws students out of the classroom and into the street to meet people: the more knowledge researchers acquire and the more their know-how develops the more incisive what they are doing becomes. However, the decision to use the field observation technique also seemed advantageous from an operational point of view: it is in fact the only way to gather original visual documentation and eye witness accounts of the phenomena observed.

The need to apply common criteria and produce consistent, comparable results led us to create itemised case observation formats rooted in a centralised collection system. This system, the *Promising Cases Repository*, was set up as a website able to gather research contributions directly from the various Antennas (cf. essay by Ciuccarelli).

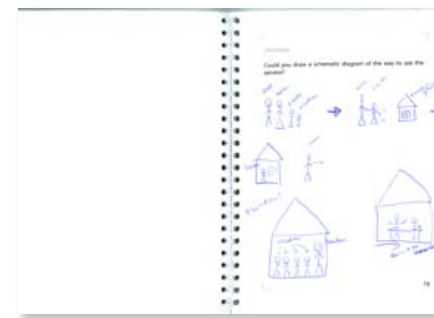
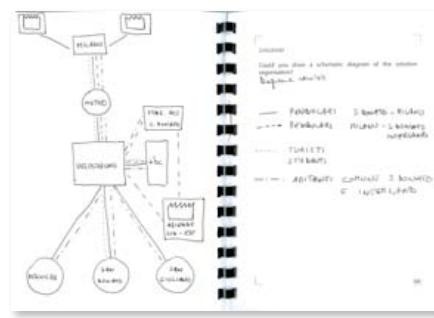
The desire to create a description structure peculiar to a designer approach gave rise to a reading and reproduction format that is particularly sensitive to factors like actor motivation, interaction mode between subjects observed, visual evidence and quality of experience.

Participant observation and quasi-ethnographic method

How can we distinguish the “field observation” developed in this research project from what in anthropology and ethnography is known as “participant observation”?

The expression “participant observation” is used to mean a situation where the observer is part of the context under observation. More specifically, it is a situation characterised by:

- _ the presence of a field observer inside and actively involved in the phenomenon being observed



to the point where he identifies with the other actors;
 _ the possibility of gathering data on the non verbal behaviour of the social actors in particular contexts (instead of or to complete an interview);
 _ the possibility of gathering data in the observed setting without asking people to participate;
 _ the use of a prearranged grid of descriptive categories containing the factors for study, to direct attention.

Participant observation leads to documents characterised by:

_ accurate viewing and the use of descriptive language to report what is observed;
 _ the absolute abolition of valuation adjectives and the exclusion of any emotional aspect from the list of objective information concerning the observed phenomenon;
 _ the absence, as far as possible, of “distortions” and interpretations caused by the observer and/or by the observed person (e.g. due to a desire to please or contradict the researcher).
 Participant observation is one of the research techniques used by the ethnographer (along with interviews) to gather data on the culture of a people.

Can we call the work that generated this collection “participant observation”? We must first of all point out that although many of the elements that distinguish the participant observation technique are consistent with the objectives we declared previously, a designer works with aims and with skills that are substantially different from those of an ethnographer. However, we wanted to use this technique for all the useful, creative and at the same time methodical aspects it could contribute to the way a designer identifies and analyses emerging phenomena. So, let’s call this special form of “participant observation” a *quasi-ethnographic* approach, to underline its connection with this discipline, but seeking also to note the differences.

also requires a sharpened capacity for selective observation. There are numerous advantages for designers in applying a *quasi-ethnographic* technique, which derive particularly from a direct, firsthand vision of the problems that they will then be called on to deal with in their designing role.

When a designer observes and analyses a situation firsthand he/she is able to elaborate a personal definition of the problem (*problem setting*) that is crucial to its subsequent “re-resolution”; an activity that is otherwise left to theory and literature.

We hold that the ability to identify problems and go right to the heart of their definition rather than just seeking to solve them (*problem solving*) is the distinguishing mark of a strategic designer.

In addition to the descriptive categories chosen to guide case observation, the main differences in the approach we use compared to the participant observation method are:

_ the degree of participation in the observed phenomena, which may be more or less intense, and the relatively brief observation period;
 _ the importance of emotional and experiential aspects both in case observation and its documentation: the emotions of the actors involved, including those of the observer, are, for the designer, symptoms of well or badly functioning relationship mechanisms among individuals and with the service;
 _ the non-problematical nature of observer interpretation: here the observer actually sets out on the design path by interpreting what he/she observes.

On this point we should make two aspects clear: on the one hand, we positively encouraged the “passing” of emotion between observed and observer (and there was a fair quantity of enthusiasm among the researchers), on the other, quite apart from observer interpretation, we organised the analysis in such a way as to gather all the practical information required to make a subsequent objective appraisal of certain aspects of cases observed.

When choosing categories and description tools we tried more than elsewhere to exercise design specifics.

Work tools and methods

From the process point of view, case collection was carried out in four main stages using a



centralised repository with internet access (cf. essays by Collina and by Ciuccarelli).

The four operational stages, taking about 8 months to complete, were as follows:

- 1_ communicating and sharing criteria, aims and research tools;
- 2_ gathering an initial cycle of proposals for possible case studies;
- 3_ the assessment of these proposals and selection of cases for analysis;
- 4_ further, homogeneous analysis of the selected cases and assembling the collection.

Stages 1 and 3 were carried out “centrally” by the research group. The others were carried out locally by the various Antennas, with back up for technical problems and theory issues from a central helpdesk. In this account we wish briefly to outline a description of the formats used, some of the specific research and reproduction tools, and the kit created to help teachers and students in the Antenna schools to carry out the field research.

Let’s start with the *training kit*: this consisted in a set of documents of different kinds prepared and distributed during the initial stages of research to share work criteria, description formats and “rules of the game”, i.e. relationship norms and deadlines, with the whole researcher community. The kit was presented, discussed and distributed directly to the heads of each school who found in it a set of tools (multimedia presentations, examples and brochures) for presenting the research project to their students (in a locally organised workshop) and to equip them in turn with the support tools for on-the-field observation. So, each kit (downloadable from the research website) contained the various formats for use at different stages of case study collection, examples of previously analysed cases, general suggestions for description rhetoric (visual and narrative) and an original, observation guidance tool, the *Reporter’s book*.

For stage 2, where the Antennas proposed cases for analysis, a very light description format called the case study “identity card”, was set up. Here, researchers were asked for a brief description of the solution indicating: how it worked and how it was innovative; the problematic context; the actors involved; and a set of key words and functions chosen from a list of possibilities provided to aid cataloguing. They were also asked for an initial assessment of the environmental and social benefits afforded by the case and a meaningful visual image; from the outset we insisted on aspects of visual description that were to become still more important in the later stages of work. Lastly, we asked that case studies be looked for in the immediate vicinity of the researcher so they could be analysed by firsthand observation.

Antenna researchers themselves, via the internet, then uploaded the cases they found to the special Repository that had been structured to mirror the case description model perfectly, so facilitating collection and organisation operations. At this point (stage 3), the project coordinator was able to view the cases and give the Antennas feedback on the ones selected for in-depth analysis.

The last stage in collection (stage 4) was the longest and most complex.

The in-depth, uniform analysis of selected cases required the setting up of an articulated format that standardised some of the description items to obtain comparable results, but did not penalise the researchers’ creativity in reporting (by word and picture) what they had seen. A special notebook for researchers to use during field activities, the *Reporter’s book*, was created to make the format easier to use. We shall talk further about it later on. In it the various description categories were turned into suggestions to orient the observer’s attention. The *Promising Cases Repository* was in turn adapted to match this format, so that uploading information to the website became a perfectly smooth operation.

The in-depth description format organised the work of analysis into a sequence of steps, alternating more technical descriptions with narrative parts where the observers (working in small groups) were free to transfer extracts from their interviews with the protagonists, or their personal comments on what was done.

The format integrates the case “identity card” required in the previous stages with more detailed analyses, namely:

- _ an accurate description of the actors, their motivations, their roles and their viewpoints;
 - _ a list of elements (services and products) making up the solution and technology employed;
 - _ an intuitive evaluation of the benefits the initiative offers to environment, society, economy;
- However, the most original part of this descriptive model, the aspect closest to the sensitivity and critical ability of a designer, is all that concerns the pictorial case description and the collection of visual documentation. This is also the part where our researchers produced the most interesting and original results. To document the case study under observation, interpreting it at the same time, the researcher was asked to produce two kinds of visualisation: *moodboard* and *storyboard*. A *moodboard* is a synthetic visualisation: a composition of photographs aiming to reflect an image that evokes the characteristic atmosphere of the situation observed: people’s moods, the silent language of objects and

spaces, gestures and activities. Researchers could create *moodboards* using images of their own choice, which they were free to compose and produce as they wished within a series of geometric grids.

A *storyboard* is an analytic visualisation: a sequence of images describing the course of an action peculiar to the observed situation. Researchers were free to decide the time sequence, screenplay and framing of the pictures according to their own judgement.

Together with the written texts, these two kinds of visualisation enabled us to obtain an effective, original description of the cases analysed, and like the written texts the pictures were catalogued in the Repository by standardised criteria and are mutually comparable.

The Reporter's book

Among the various work tools developed and used in this research project the *Reporter's book* deserves a little further comment. As we said, the highly positive aspect of case observation undertaken firsthand by designers is that from the outset it directs them to thinking about the development and improvement of what they see. On the other hand, its weaker aspect is that in their role as observers, designers often lack habit and method. The *Reporter's book* was thought up to help them overcome this difficulty without limiting their individual personalities.

A *quasi-ethnographic* approach would logically require an empty notebook where the researcher can freely jot down his observations as they occur during ongoing contact with the case. However, lack of experience in investigation and the short time available called for support to conduct interviews effectively. Therefore a “semi-instruction” guide, similar to those used in structuring focus group discussion, was included at the beginning of the *Reporter's book*: this enabled us to ensure that interviews covered the minimum number of stages essential to compiling the required format and to the subsequent phases of analysis. The same is true in collecting visual images: the designer's photographic eye is naturally geared to pick up the characterising dimensions of a solution, from technical-organisational details to the quality of atmosphere. However, it is not systematic enough for full documentation or for observations that are useful in a wider, interdisciplinary analysis. So, the *Reporter's book* included a step-by-step “photo check-list” of the minimum shots required to describe the context and for the sequence of actions in the storyboard.

Results

The material published in this book is only a small selection from that collected; a selection of both cases and information.

The *Promising Cases Repository* contains over 140 cases, largely described using the in-depth format: hundreds of pictures, scores of *moodboards* and *storyboards*, of reports and stories from those involved. In addition, the *Reporter's books*, compiled by researchers with notes and drawings, constitute in themselves an impressive collection of original material.

What lies before our eyes tells us that the work method experimented has on the whole been successful: there have been setbacks and difficulties, some stages were unnecessarily laborious, and some of the information asked for has probably been of little use in the end. However, we think everything has been useful, at least for didactic purposes: the narrative originality of the written texts, the curiosity and charm even to the point of tenderness of many of the pictures, catching the enthusiasm in the eyes of the protagonists (evidently reflecting the light in the eyes of the observers) lead us to think of success.

The rhetoric is often laboured, the English (obviously) imperfect, the photos at times blurred, the technical understanding of the services in some cases dubious, the observations naïve ... but, overall, it is a collection of stories that communicate the amazement of discovery, the enthusiasm of encounter and a little of the spirit of our “hero” protagonists. In our opinion, this is possible, thanks to the experience lived by our researchers on the field: the *quasi-ethnographic* approach has not left them indifferent. Observing, they have caught what we can describe as the genius loci of creative communities, the spirit that animates them and that animates the situations they have been capable of engendering. At the same time they have begun to exercise the critical eye of the designer, imagining that what they saw could become even more beautiful, work better and spread...

* Anna Meroni has written the paragraphs: Young designers as researchers; Participant observation and quasi-ethnographic method; The designer and the quasi-ethnographic method; Results. François Jégou has written the paragraphs: Work tools and methods; The Reporter's book.

The Promising Cases Repository: using ICT for supporting research activities

Paolo Ciuccarelli (Politecnico di Milano)

It may appear frustrating and restrictive for design students to use a rigid, standardized, digital format to describe a phenomenon as complex and rich as Creative Communities are. However, we have to admit that this is the only way to create a consistent and sharable knowledge base that could also be expanded and re-used. The existence of a *Promising Cases Repository* is a necessary base for any strategy aiming to disseminate the values behind Creative Communities.

The premises

The use of information and communication technologies (ICT) in teaching and research activities is becoming more and more common, specially when these activities involve different actors in different countries. In brief we can say that - when ICT in themselves are not the topic of these research activities - they are used with four principal aims, other than connecting people:

- 1_ to build a common knowledge background through the gathering, organizing and sharing of information and documents produced by others (*fertilization*);
- 2_ to collect and share information and knowledge produced during - and specifically for - the research/teaching activity (*stabilization*);
- 3_ to codify a methodology - a specific know-how - into a software procedure and allow participants to produce standard outputs that can be compared for analysis purposes (*production*);
- 4_ to boost comments and feedback - discussions - about information and documents gathered and produced, or about the activity itself, in order to build a further level of participated knowledge (*exploitation*).

The use of ICT to support EMUDE (the EU funded Specific Support Actions which generated the collection of cases here presented) was restricted, at the beginning, to the fulfilment of the management need of a common space for information and documents to be used by the participants and for collecting the documents they produced: in other words, aims 1 and 2, according to the categories defined above.

Closing the preparation of the “in-depth format” for analysing the promising cases (cf. the essay by Meroni and Jégou), we decided to build up a repository (a collection of records describing resources) and a web application, to enable researchers from each school of the network to upload via Internet all the information required about the cases.

In fact there were no technical reasons for this choice: we knew from the beginning that the number of cases would not be large enough to justify a similar investment. More than this, Internet itself can be an opportunity, but also a barrier for those who are not familiar with on-line fill-in procedures and/or haven't a broadband connection. So the decision was taken more as a result of the strategic approach and the “mood” of openness that characterized all the activities than as a consequence of practical requirements. We wanted to build up

something that would help the contents and assumptions of this action to survive their given timeframe.

By creating an open collection of cases (contents) and a web interface to allow the implementation of the collection (know-how) we expect to reach a deeper diffusion and understanding of the “creative communities” principles.

The solution: some technical features

From the technical point of view, we developed a php-based website, connected to a standard SQL database*. The architecture of the database is strictly linked to the case-format, with the aim of making the fill-in process easy and so to collect and organize as much as possible of the information gathered by the researchers.

The description of the records has been divided into two phases: in the first one, the schools upload a synthetic description and some pictures of the selected cases (the “identity card”). The scientific coordinator of the program uses this description to evaluate and select cases that are coherent with the idea and the definition of “promising cases”; we defined this process as “validation”. The selected cases are shown in the website as “validated”, and from this moment on it's possible, for the authors, to continue with the second phase, the description of the cases, following the steps defined in the “in-depth format”. The centralization of the validation process, led by Politecnico di Milano, guarantees the consistency of the database.

In this process, the repository recognises various typologies of user, with different profiles:

- _ the “administrator” profile allows users to read, modify and eliminate all the records (all the cases). This is also the only profile enabled to “validate” cases;
- _ the “author” profile allows users to read, modify and eliminate records inserted with a specific username and password (personal records), while the other records can only be read.
- _ the “school” profile enables users to create new “authors”; they can also read all the records.
- _ the “guest” profile only enables users to read all the records

Fig. 1



(Fig. 1: The web interface of the Promising Cases Repository)

This repository enabled the schools of the network to be actively involved in the process of collecting and describing promising cases: more than 200 students and teachers accessed the website and used the proposed features, often giving useful feedback and suggestions on how to improve the repository's effectiveness.

One of the considerations arising from this experience is the strengthening of the role of email as the main communication tool and working tool for distant partners: as the dimension of attachments is no longer a problem, and the power of email software in organizing and managing messages is growing continuously (all these characteristics are well represented by the Gmail web-service provided by Google), working in research and didactic networks is becoming easier and easier. Furthermore, the availability of open source or freeware webtools for communication activities is rapidly growing. The possibility of using email and/or freeware tools to meet a wide range of communication needs (from sharing information to collecting documents), liberates resources that can be utilized to develop more complex tools for advanced or very specific functions, as we did with the Promising Cases Repository.

Some short notes must be made on the interface of the Promising Cases Repository:

- _ the website has been designed using a simple, flexible grid with one head-line, a dynamic menu on the left, filters and other operational tools on the right, and the contents in the centre;
- _ the menu shows all the available folders - named "case collections" - and a number of other functions depending on the user profile;
- _ each case is shown with the title and a picture: this is a first step towards giving a visual impression of the cases at every phase of the description, unlike other web-based repositories (i.e. <http://www.globalideasbank.org/site/home>). The prominence of the visual approach is also evident in the so called *moodboards* that come with each case.

Centralize or delegate?

In the first version of the Repository, the process of publication was heavily controlled by the "central administration": all the proposed cases (briefly described by an "identity card") have

been validated by the Politecnico di Milano.

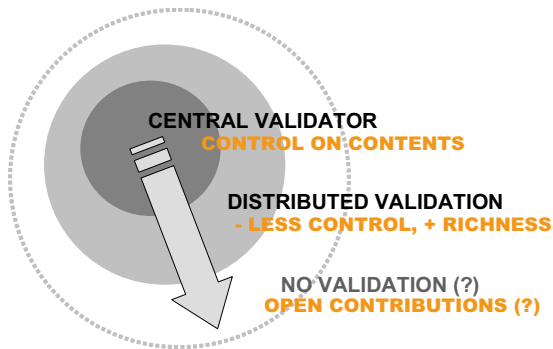
In particular, during the fill-in process, information control was guaranteed by:

- 1_ giving a closed list of options to choose among, in order to describe the solutions: i.e. keywords, values, functions addressed ...;
- 2_ giving a base-list of options, with the possibility of "candidating" new ones to be evaluated by the scientific coordinator before being added to the base-list;
- 3_ showing the list of the previous new entry options, in order to guide the free data-entry process and avoid repetition.

Such a centralized approach gave rise to some criticism, but indubitably offers at least one advantage: it ensures the consistency of the database, by standardising the meaning of keywords and the criteria for case validation. On the other hand, it can be argued that for the same reasons we lose something in terms of richness and variety of the descriptions. Furthermore, the validating activity itself is a cost in terms of resources, and also a possible bottle-neck in the process of populating the repository.

A similar debate – standard vs open description - is currently growing within the development of the web, particularly in the evolution towards the idea of a "semantic web", as described in Wikipedia: "The Semantic Web is a project that intends to create a universal medium for information exchange by putting documents with computer-processable meaning (semantics) on the World Wide Web. Currently under the direction of the Web's creator, Tim Berners-Lee of the World Wide Web Consortium, the Semantic Web extends the Web through the use of standards, markup languages and related processing tools". In other words, to really extract value from the use of a variety of web-sites, the pages of these web-sites have to be described in a standard way. A similar problem is also emerging in the fast-growing phenomenon of open, web-based digital archives (i.e. Flickr for digital pictures): as anybody is allowed to use personal keywords (tags) to describe the digital documents they want to share with other users, there are no guarantees that a specific keyword will be used with a similar meaning. So, if you search for a specific keyword, the larger the archive the larger the possibility of finding results that are not pertinent; documents that have been indexed using a different meaning for the same keyword.

Fig. 2



There are a number of possible ways and tools for cataloguing and indexing digital documents, from thesauri and dictionaries to tags and folksonomies. The choice of tools and methodologies to be used for indexing documents is strictly related to the purposes of the process, and to the level of expected authority of the document ensemble. The possibility of browsing consistently through different archives or through an archive fed by users from different countries, cultures and languages can be guaranteed only by a controlled system of keywords, shared by all users.

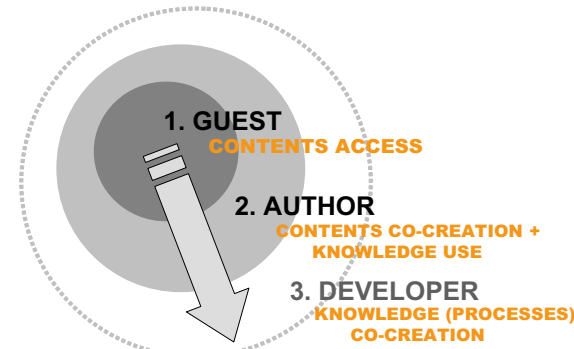
From a more general point of view, even if a strong set of rules is provided, opening the possibility of contributing to the construction of a common database to a wide user group, always represents a risk: Wikipedia, for example - despite the indubitable richness created by open participation - sometimes, and especially in specific, historically important moments, suffers problems linked to the possibility of easily manipulating information: the definitions of some terms are often “polluted” by personal opinions and/or unreliable information or lack a clear reference to a valid author. Moreover, there are a lot of software agents that are programmed to put information (typically advertising) automatically onto open websites, such as blogs, forums etc.

For these reasons, in the current and latest second version of the Promising Cases Repository, we decided to maintain the validation process, but, at the same time, to give schools a certain level of autonomy, we also hold the validation process to be necessary because the repository is conceived as a supporting tool for teaching activities with a primary one-to-many learning relationship (professor-to-students). The possibility of many-to-many relations comes later, with a second level of information (information about information). An example is the creation of a blog about the case collection on the Sustainable Everyday Project website, to collect comments and discussions on published promising cases (<http://www.sustainable-everyday.net/EMUDE>).

To support schools in their autonomous validation process, we created a specific profile (the “professor” profile), which enables each single participating school to create a new folder (a new case collection) and a list of authors allowed to upload information onto this folder; each school can also validate the cases produced by the authors on the list.

(Fig. 2: Typologies of validation process and possibilities for contents-control)

Fig. 3



Knowledge as an open (re)source

At the current stage, every school (or analogous institution) can be enabled, as a delegate, to use the Web Repository, and - as a consequence - the methodology and the knowledge about how to describe a promising case, condensed into the so called “in-depth description format”. Schools willing to contribute have to apply for a ‘professor’ account and, if not yet familiar with this activity, download the instructions and case description format from the website. .

This possibility of re-using the methodology autonomously in fact represents the second step towards “opening the knowledge” generated in the making of the kind of EU funded Specific Support Actions which generated this collection of cases.

The first step in this process is offering free access to the repository using the “guest” profile, for people not involved in the research activity, and to the identity cards of all the cases published by the schools, visible on the homepage (anybody can access the www.promisingcases.org).

We also identified – symmetrically with the validation process - the third and final step in the knowledge-opening process: the transformation of the web-based application into an open source software. This means that conditions should exist to enable other developers to access and modify the source code of the web application, in order – for example – to modify or add new data fields to the original analysis format. Or, better, to add new functions to the original web tool.

(Fig. 3: Access profiles and possible activities)

Open source doesn’t mean “no rules”, there are at least two necessary tasks we should complete: first, choose a licence from the huge number of existing open licences (from Creative Commons to General Public Licenses); and second, write a set of documents enabling developers to understand how the web application has been produced, and so make their contributions autonomously.

The transformation of each application into an open source one typically requires a considerable amount of time if not planned from the beginning of the development process: the code should be written according to standards that make it easily understandable to

developers with minimum skills. But as the development of the Promising Cases Repository was an experimental project, with a fluid feedback process and without an a priori planning document, it was not possible to define all the requirements from the beginning. Nevertheless the possibility to transform the web application into an open source one can be considered as one of the possible ways to exploit the knowledge generated with this action. According to the rules provided by the EU to guide funded projects, exploitable results are defined as “...knowledge having a potential for industrial or commercial application in research activities or for developing, creating or marketing a product or process or for creating or providing a service.” (from Appendix 1 “Project reporting in FP6- Guidance notes”) . Starting from that, we can reasonably say that the web application behind the Promising Cases Repository – its software code - can be seen as “knowledge having a potential (...) for developing, creating a process or for creating or providing a service”, if enough resources are put on the table.

More in detail, the exploitable results relating to the development of the Repository are:

- 1_ A relational database, generated by the transformation of the “case description format” into an E-R (Entity-Relations) standard structure.

The transformation of the “case description format” into a relational database enables: (a) organization of contents (b) collaboration in using the format (c) growth of the knowledge base on Promising Cases (d) export of information to other database/applications;

- 2_ The Web interface, which determines user experience, the way in which different actors participate in the collaborative activity of collecting Promising Cases (i.e. access profiles, validate and candidate functions...)

These products can be used in design didactics / design research / research and didactics in other domains / institutions.

For these products we chose not to have a patent or a protection strategy: it seems coherent to use public funding to create open platforms – such as the Promising Cases Repository could be – that can be used and even modified, up to a point, by everybody. The Repository web tool enables the diffusion of a way of doing research, a research know-how, that can be easily transferred to other research institutions and design schools. These new actors can then activate a virtuous process, enlarging the knowledge base about promising cases and

creative communities.

The Promising Cases Repository plays a role in the dissemination of the results (a phase specifically requested by the Specific Support Actions program). In fact, it also works as a communication tool: the Promising Cases Collections have been public since the 13th of December 2005, and everyone can read a brief description of each promising case on the website www.promisingcases.org, without any specific authorization. The first experiment has been made in collecting information and knowledge about the published promising cases using other web sites. This is the case of the previously mentioned blog, Sustainable Everyday Project (SEP), which aims to collect comments about the published promising cases. The Promising Cases Repository and the SEP blog are both addressed to any recipient interested in deepening knowledge about the “creative communities” phenomenon. Both dissemination and exploitation of knowledge relating to this research are complicated by copyright and privacy legislation. For information in the database, from on-line descriptions of promising cases, we chose to apply the Creative Commons open licence, which can also be applied – by using the Science Commons agreement – to the database itself (for more information about Creative Commons and Science Commons licences, go to <http://www.creativecommons.org>, and <http://sciencecommons.org>).

Again, the idea behind this choice was to open the information and knowledge generated through all the activities as far as possible so as to spread and heighten awareness of “creative communities”.

* The Promising Case Repository has been developed by Daniele Galiffa, (www.mentegrafica.it) within the DesignNet research unit.

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Bas de Leeuw is an economist, with a master's degree in macro-economic policy from the Erasmus University Rotterdam, The Netherlands. He is head, Strategy Unit, of the Production and Consumption Branch of the United Nations Environment Programme. His current responsibilities include supervising UNEP's work on a ten-year framework on sustainable consumption and production and on developing policies and tools for governments, business and civil society to achieve tangible results in areas such as industrial development, emergency preparedness, sustainable lifestyles, human development through the market and resource and waste management.

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Anna Meroni, architect and designer, has a PhD in Industrial Design. She works as researcher in the research unit DIS, Design and Innovation for Sustainability of the Department INDACO (Industrial Design) of Politecnico di Milano, where she is Assistant Professor in Service and Strategic Design and co-director of the international Master in Strategic Design, organised by the consortium POLI.design. Her topic is strategic system innovation: she is involved in several international research activities, in the organisation of symposiums and events, and writes for design journals about strategic innovation.

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Pål Strandbakken

Pål Strandbakken gained a Mag. art. in sociology from the University of Oslo in 1987. He worked at the Alternative Future project until 1992, when he joined SIFO (National Institute for Consumer Research) as research fellow, focussing mainly on consumption and sustainability, eco-labelling and product durability.

Eivind Stø

Eivind Stø, born in 1945, holds a graduate (mag. art.) degree in political science from University of Oslo in 1972. He is director of research at SIFO (National Institute for Consumer Research) and has been working with consumer policy and interests, consumer complaining, sustainable consumption and eco labelling. He was the first editor of the Norwegian Journal of Political Science 1985 – 1988 (co-editor). He is the Coordinator of the European project ToolSust, 2000–2003, member of the advisory board of CRIC, Manchester University and 2001 Chair of the “Sociology of Consumption” Working group under the European Sociology Association, 2001–2006.

Isabella Marras

Isabella Marras, programme officer at UNEP DTIE since 1997, is specialised in consumption issues concerning governments and young people. Both governments and youth have a huge market power and could make a contribution to the shift to more sustainable lifestyles. Her youth programme is carried out in co-operation with UNESCO and youth and consumer organisations: it started in 1999 with a survey reaching 10 000 youth in 24 countries about their aspirations, attitudes as consumers and sense of empowerment. As a follow up to this survey, UNEP and UNESCO produced *YOUTHXCANGE*, a web-based resource kit to support Youth and Consumer NGOs in communications with young adults about responsible lifestyles.

Priya Bala

Priya Bala has worked on issues of sustainable development at the international and grassroots level. As a policy officer at CI, she has been involved in coordinating international projects on sustainable consumption. In 2005 she authored the CI publication *Streetwise: A snapshot of the street food sector in Asia and Africa*, which considers the role of the informal economy in supporting food security and food safety in resource poor communities. Having lived in South Asia, the Middle East, Europe and North America, she strives to bring a global perspective to current development challenges.



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Edina Vadovics is currently a PhD student at the Environmental Sciences and Policy Department of Central European University (CEU) in Budapest. Her research focuses on sustainable consumption and sustainable communities. Prior to her studies and research at CEU, she worked in environmental and sustainability management, and delivered training courses in the field both for companies and students in higher education. As a volunteer, she has been involved with creative communities both in the Eastern and Western part of Europe. She is also president of GreenDependent Sustainable Solutions Association.

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Ruben Mnatsakanian since 2000 is head of Department of Environmental Sciences and Policy at Central European University, Budapest. He has specialised in analysis of information on the state of the environment in the former socialist countries, including the former USSR: he published a book and a number of articles on the issue. He is part of the group that prepared the GEO report series for the UNEP; he was working as a consultant in environmental policy issues for WHO, UNEP, IFEN (French National Institute for the Environment).

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Helma Luiten works at the Dutch research institute TNO and studied Industrial Design at the Delft University of Technology. She is currently involved in a number of sustainable innovation projects. She is developing a method for doing experiments within a transition trajectory. This method is based on pilot projects from the TNO Sustainable System Innovation Initiative, in co-operation with companies, organizations and government (2003-2006). She also worked on future foresight studies in the area of food, households and on client needs of textile care companies.

Luisa Collina

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Ian Grout

Ian Grout For the past ten years Ian has been researching and teaching in Product Design at The Glasgow School of Art. He travels and teaches throughout the departments international exchange network and has also been the External Examiner for Goldsmiths in London and Les Ateliers in Paris. He is the o2, the global network for sustainable design, representative for Scotland. He is co author, with ICIS Denmark, of a pan global project on ritual connected to ICOGRADA and also teaches on masters programmes at the Centre for Human Ecology. His research interests involve developing new creative methodologies by which to design more ethically, ecologically and sustainably.

Simone Maase

Simone Maase works as researcher and teacher at the department of Industrial Design in the Designed Intelligence group, Eindhoven University of Technology. Originally trained and working as an industrial design engineer, her focus shifted from product development "pur sang" to sustainable development in the field of industrial design. She studies how and to what extent co-design tools and methods contribute to the development of sustainable solutions. A new role for industrial design profession is about to emerge.

Liz Davis

Following Education and Art & Design studies in London, Liz Davis joined the founding team at Les Ateliers/Ensci in 1982 where she is now academic advisor and Head of Studio International, running the school's programme of cross-cultural projects and activities. She has worked and taught in many regions of the world, particularly focussing on the challenges of design within local development. In 2002 she completed an urban studies degree at the University of Aix-Marseille. She is the Paris leader of the Master of European Design (MEDes.) programme.

Cindy Kohtala

Cindy Kohtala received her BFA degree in Industrial Design from the University of Alberta, Canada, in 1991 and an MA degree in Craft Design from the University of Art & Design Helsinki in 1999. She currently lives and works in Helsinki, Finland, as a researcher concentrating on design-for-sustainability and strategic foresight. She also works in communications and dabbles in craft design, especially working with recycled materials. She is Vice President of o2 Finland, an NGO for designers interested in sustainable solutions.

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The End

This book is about social innovation as a driver for sustainable technological and production innovation. Adopting a design perspective, it presents several case studies and their providers, the creative communities, where individuals and communities use existing resources in a creative, original way to bring about system innovation.

This book does not set out to give yet another theoretical definition of creativity. Instead it seeks to define creativity through a series of innovative responses to the various problems that crop up in everyday life. So it talks about on-the-field creativity (and therefore innovation) triggered by the real context of needs, resources, principles and capabilities.

The cases and the people presented in this book are not only interesting because they are innovative, but they are also aesthetically "beautiful": there is something in the way they appear that invokes positive emotions and recalls the straightforward aesthetics of the useful. They are beautiful because they are colourful and authentically and surprisingly creative. They express vitality and spirit of initiative: they are the unthinkable made possible, the alternative getting itself into working order. And they are also "good": whether intentionally or by coincidence they propose solutions in which individual interests converge with those of society and the environment, creating conditions for a more satisfying use of resources. Because this restores meaning and value to everyday activities they look promising as a transition towards sustainability.