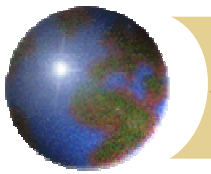


European Concept of Living Lab

Roumen Nikolov
Sofia University

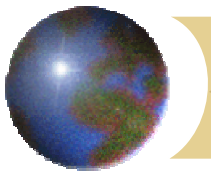


Basic definition

- ✿ A **Living Lab** is about experimentation and co-creation with real users in real life environments, where users together with researchers, firms and public institutions look together for new solutions, new products, new services or new business models.

Living Labs are about societal involvement, about promoting **open innovation** in a societal basis, involving academia, SMEs, public institutions and large companies in an Open Innovation process that because happens in real environments has an immediate impact.

- ✿ **Living Labs aim to contribute to a new Innovation System where users and citizens become active actors and not only passive receivers.**



European Network of Living Labs (ENoLL)

Open Living Labs – The European Network of Living Labs - Mozilla Firefox

Файл Редактиране Изглед История Отметки Инструменти Помощ

http://www.openlivinglabs.eu/

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OpenLivingLabs

European Network of Living Labs - a first step towards a new Innovation System!

Member of European Network of Living Labs

- Home
- What is a Living Lab?
- The mission
- About us
- The network
- Events
- Open innovation community
- Blog
- Ami Communities
- COLLABS

Living labs:

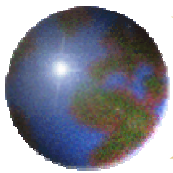
- Barcelona
- Bologna
- Bremen
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- Caen
- Chamusca
- Colchester
- Copenhagen
- Cudillero
- Edinburgh
- Enschede
- Felbach
- Frascati
- Granada
- Guimarães
- Hassett
- Helsinki
- Kecskemét
- Kranj
- Lahti
- Lannion
- Lisbon
- Lisbon
- Litovel
- Ljubljana

Mapa Sat Terr

Map of Europe showing the locations of various Living Labs, marked with yellow and green pins. The map includes labels for countries like Sverige, Norge, Danmark, Polen, and others, as well as major cities like Stockholm, Oslo, Copenhagen, and Warsaw.

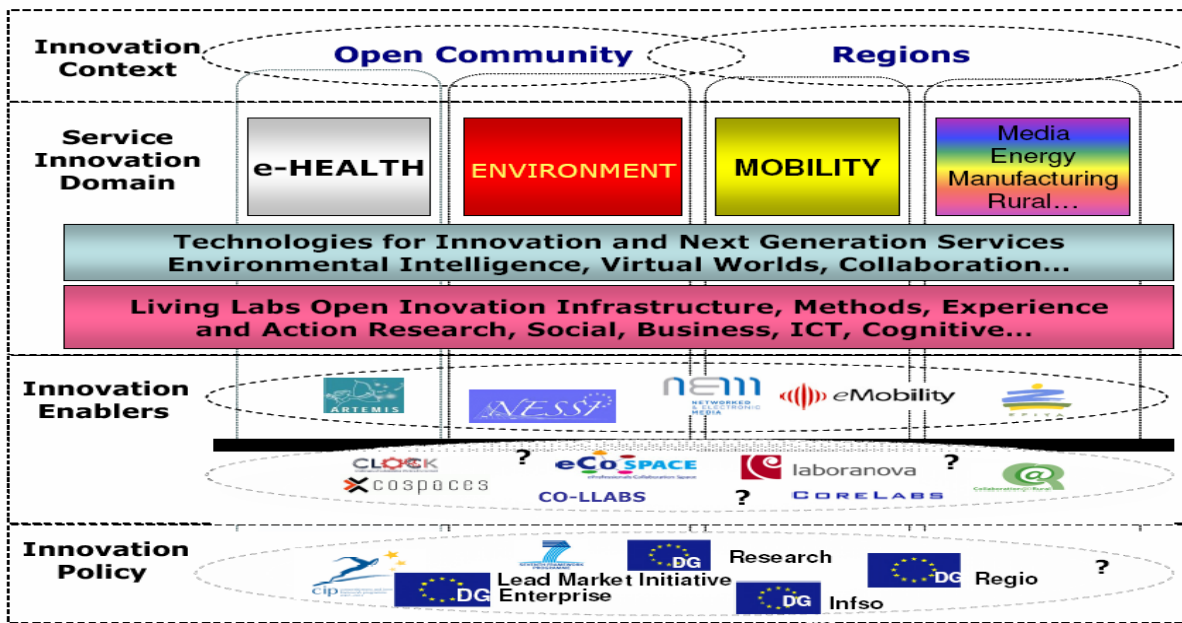
© 2008 Basarsoft, Geocentre Consulting, Teo Atlas, PPWK, AND - 1 terminos.de.usg

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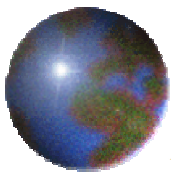


Living Labs in EU context

AMbient Innovation Family of Communities



Roberto Santoro – ESoCE NET – 7° April 2008



Bulgarian involvement in LL projects ECOSPACE, COMIST and other

AMI@Work
family of communities

ECOSPACE

From AMI@Work Communities Wiki

Abstract

ECOSPACE pursues the vision that by 2012 every Professional in Europe is empowered for seamless, dynamic and creative collaboration across teams, organisations and communities through a personalised collaborative working environment. ECOSPACE contributes to this vision through 4 main objectives:

- The definition of innovative work paradigms through the analysis of eprofessionals and their related organisation.
- The design and development of an open standards, service-oriented architecture for complementary and alike systems.
- A collaboration middleware and services to enable seamless and instant collaboration among knowledge workers in group forming networks, beyond organisational boundaries.
- The creation of new tools that simplify the complexity of collaboration in dynamic work environments and which enable users for creative and knowledge intensive tasks.

Designed as a three year programme, ECOSPACE deploys a systemic approach built on matrix based organisation with horizontal technology push activities and vertical application pull activities. Vertical validating applications apply a Living Lab approach within 4 application areas. They act as breeding grounds for innovation; they prepare the broad acceptance of the results, and create open business opportunities for new generic or sector-specific products and services.

ECOSPACE will result in new working paradigms and metaphors for eprofessionals, a user-centric platform enabling the interoperability of innovative collaboration tools and services. It will empower users to easily build-up and deploy on-demand virtualised and knowledge rich collaborative environments.

ECOSPACE objectives are supported by a multidisciplinary and sound consortium which includes, large market players, SMEs, users and professional communities with a strong track record in collaborative work and infrastructure, community building, mobile working, visualisation, semantic web and social network analysis.

ECOSPACE contributes to ERA activities, linking with national and EU initiatives for reference architecture and collaboration middleware activities. ECOSPACE defines Basic Collaborative Services

Latest News

- 01 Sept 2008 ECOSPACE newsletter n° 5 special issue on interoperability within Collaborative Environments in HTML format is now available
- 23 June 2008 ECOSPACE demonstration on Shared Workspaces InterWorking at CWE2008
- 24 June 2008 ECOSPACE Special session "Collaborative Web Environments" at CWE2008
- 24 June 2008 ECOSPACE Special session "The Role of Exploratory Environments within Living Labs" at CWE2008
- 23 June 2008 ECOSPACE has organised the CWE2008 at ICE2008 in Lisbon 23-25 June 2008
- 01 June 2008 ECOSPACE newsletter n° 5 special issue on Living Labs is now available either as HTML or PDF

AMI@Work
family of communities

COMIST

From AMI@Work Communities Wiki

The COMIST project aims to increase the participation of NMS organisations in IST activities according to a systemic innovation approach. COMIST supports and implements a general collaboration and interaction environment through the instrument of virtual or networked communities already experimented with success within the AMI@Work Communities Initiative launched in June 2004 by the European Commission with the support of the MOSAIC and SEEMseed projects. More than 600 participants from over 20 European countries have already registered to this initiative since the preparatory workshop in March 2004.

The general COMIST project focus is on strengthening the NMS innovation system in the area of New Work and Business Environments and building strong integrative networking relations with IST. The working method of the COMIST project is explicitly inspired by that experimented by the MOSAIC project in the constitution, launch and operation of the AMI@Work family of communities. These communities act as breeding grounds for innovation in bringing together the relevant organizations and stakeholders for the purpose of starting up "innovation cycles". COMIST primary focus is on NMS SMEs in the manufacturing, agro-food and logistics sectors.

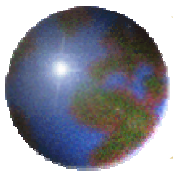
Community involvement method to increase the participation of NMS organisations in IST activities implies the completion of four main activities:

- Aligning the role of NMS organisations in Innovation Networks with a focus on systemic innovation as innovation requires not just technological innovation but organisational, structural and policy innovation as well.
- Building a Network of Communities acting as "breeding ground" for innovation and collaboration, and offering easy and effective collaboration tools supporting discussions and exchanges of viewpoints and knowledge, and to build consensus concerning innovation strategies and possible directions for collaboration.
- Organising events and communication channels for promoting the involvement of NMS organisations into innovation initiatives to reach the widest audience and bring together all stakeholders from the enlarged EU.
- Establishing a consortium-building infrastructure to provide the widest population of interested organisations, members or not, with a suitable infrastructure to match collaboration demand and offer, based on collected competencies and availability.

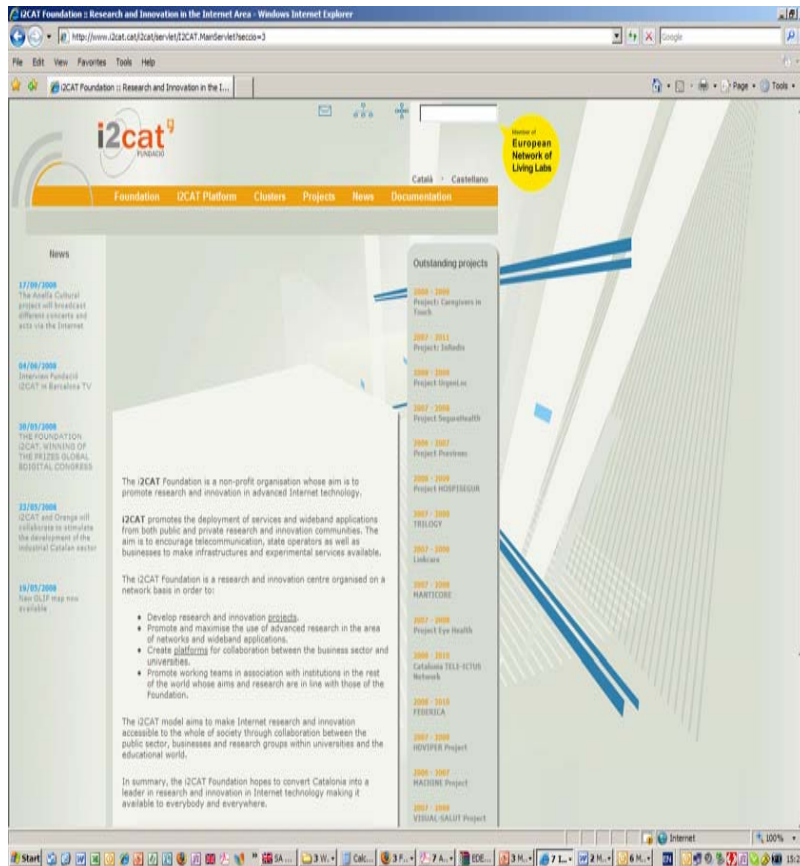
The result of COMIST will accelerate the increased participation, and result into more effective involvement and collaboration of NMS organisations in IST research and innovation activities. A faster and wider collaboration among NMS organisations and other Member States organisations will increase creativity potential and innovation capacity as well as business opportunities in the enlarged EU to all stakeholders. Specifically, COMIST in facilitating access to EU research communities, appropriate partners and opportunities of participation to research projects for NMS organisations, especially for SMEs, will greatly accelerate innovation and emergence of new businesses in the enlarged EU.

COMIST has brought together a core team with strong track record in community building, mobile working and networked businesses RTD for both New Member States-Associated Candidate Countries (NMS) and other Member States. Partners have coordinated and are participating to a series of roadmap projects and network activities under FP5 and FP6, like COCOHET, Future Workspaces, ROADCON, CE-NET, VOSTER, VE-FORUM, SEEMseed and MOSAIC.

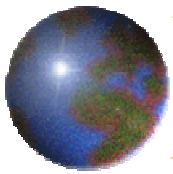
Additionally, this approach is supported by all AMI@Work communities elected chair and vice-chair acting as Associated Members to contribute as facilitators to the various communities activities. The strength of the consortium lies also in partners' ability to link up with and bring together important players and communities from a number of FP5 and FP6 projects, roadmap projects, thematic networks and networks of excellence, and to link with national initiatives for collaboration.



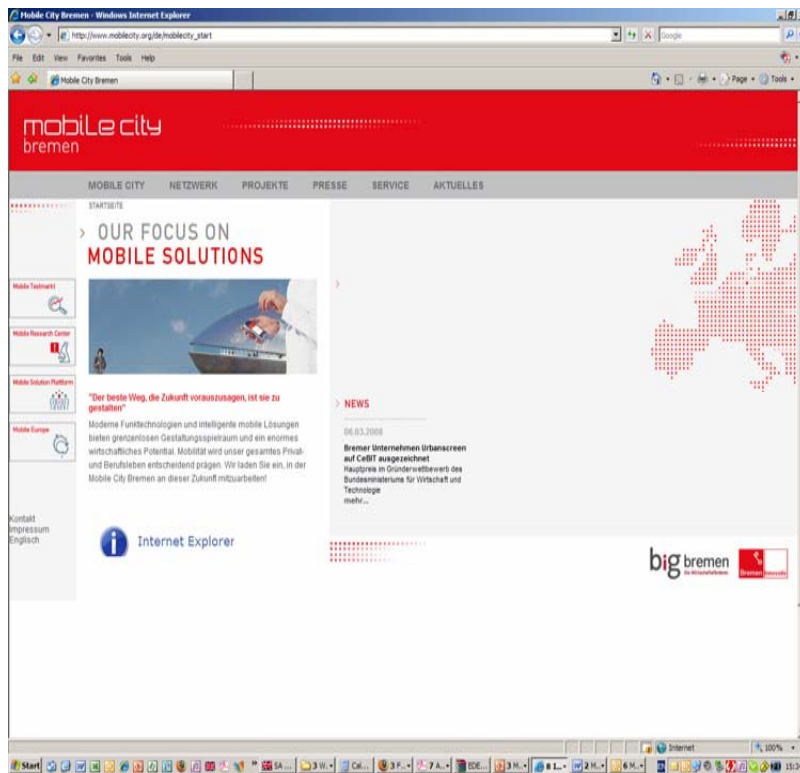
i2Cat - Catalonia Digital Lab



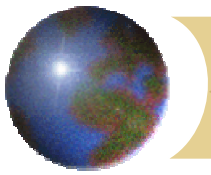
- The **i2CAT foundation** is a non-profit organization whose aim is to **promote research and innovation in advanced Internet technology**.
- The i2CAT model aims to **make Internet research and innovation accessible to the whole of society** through collaboration between the public sector, businesses and research groups within universities and the educational world.
- i2CAT promotes the **deployment of services and wideband applications** from both public and private research and innovation communities.
- The aim is to encourage telecommunication and state operators as well as businesses to **make infrastructures and experimental services available**.



Mobile City Bremen Living Lab

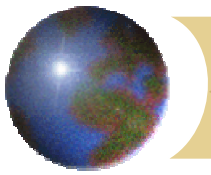


- combines research, development, testing and marketing of mobile products and services in a mobile cluster;
- thanks to targeted sponsorship and the dedicated cooperation of numerous companies, universities and research institutes, **Bremen has become a premium address for mobile solutions;**



Mobile City Bremen...

- ✦ The key elements of Mobile City Bremen are the **Mobile Research Center**, the **Mobile Solution Platform** operated by the **Mobile Solution Group**, and the **Mobile Test Market**.
- ✦ Point of entry is the **Mobile Solution Center on the university campus**.
- ✦ At the Mobile Research Center, **more than 100 academics** from the fields of information technology, communication engineering, design and media constitute a high-quality interdisciplinary research network for the mobile future.
- ✦ The **Mobile Solution Platform** helps to make a success of mobile applications more quickly. This open system platform adapts content to the users' various mobile devices and provides access to a multitude of users. Additionally, the **city of Bremen is firmly established as an ideal testing environment for product launches and acceptance tests**.

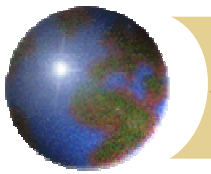


Rural Living Lab (RLL) – Gödöllő, Hungary

The screenshot shows a web browser window with the URL <http://livinglab.spa.hu/hoc/web.php?n=livinglab>. The page title is "Living Labok (Győr/Mórhalom)". The main content area features an illustration of human evolution from an ape to a modern human, with the text "Living Labok Magyarországon" and "A ko-kreatív Magyarországiért!". Below this, there is a list of navigation items on the left, including "Living Lab", "Living Labok (Győr, Mórhalom)", "Virtuális valóság", "Ad-hoc hálózatok NOKIA 770-ek", "Kutatási feladatok", "Európai és hazai partnerek", "Elérhetőségek", "Sajó", "Mi a Living Lab? Kérdőszel", "Living Lab HU hálózat logo", and "Hírek és hasznos linkek". The main content area contains several paragraphs of text in Hungarian, starting with "A vállalkozásokat és az ipart támogató Living Labokat 2007/2008-ban tervezzük kialakítani." and "1. Az Autóipari Living Labot - Győrben a Győri Ipari Park területén...".

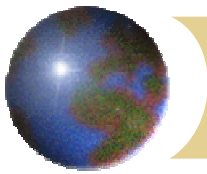
Services:

- ➊ **Infrastructure and access points:**
Alternative mobile, satellite and wireless applications
- ➋ **Business applications** suited to rural SMEs: low cost and easy to use solutions, open software and peer-to-peer platforms, Trading, ERP, SCM,...



Rural Living Lab...Services

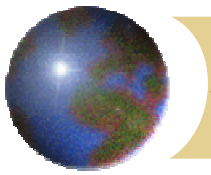
- ❖ **E-communities:** knowledge and information management (semantic and content-based techniques), personalized content and research technologies to support self-organised communities (such as farmers and their organizations), building and enabling human relationships.
- ❖ **Interfaces** which will be critical for take-up: multi-lingual, multi-modal and adaptive, natural language interaction, visualisation technologies, ...
- ❖ **GIS** (Geographic Information Systems) for characterisation of spatial entities to deliver position related services and assessment of rural development.
- ❖ **Rural-related sectors** (healthcare, tourism, agriculture), Food industry, requirement for selective technology development.



Manchester EastServe Living Lab

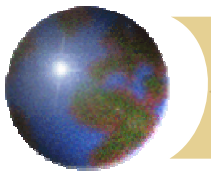


- ✦ The loss of heavy industry and manufacturing in East Manchester has seen its population decline from 100,000+ to less than 30,000 people;
- ✦ LL aims to ensure that local people can **develop the skills to participate fully in the emerging information society** and to be able to take advantage of the new training and employment opportunities becoming available through the **take-up of ICTs by small businesses and social enterprises**



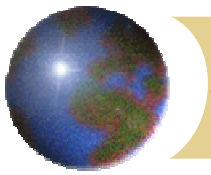
Manchester EastServe...

- ✦ The portal web site **www.eastside.com** is designed specifically for the local community and **provides access to local services and news about the area.**
- ✦ The EastServe site **delivers information and interactive services** from the City Council, national government departments, the Police and local community networks.
- ✦ In spite of the concentration of low incomes, unemployment and poverty in the area broadband take-up has now reached 20% compared to 15% city-wide.
- ✦ Over 40 per cent of residents have now had basic ICT training because of EastServe, more than double the rate of most areas in the City. Plans are underway to expand the Eastserve network to cover 4500 homes in the area and eventual expansion to 50,000 over the next three years is also being considered in a new city wide digital inclusion initiative.



Thessaloniki Living Lab

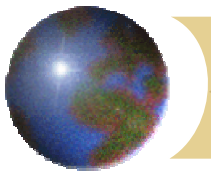
- ❖ located in the greater Metropolitan area of Thessaloniki;
- ❖ expected to build on the strengths of its stakeholders, namely **mobile services, interoperability, industrial informatics, eHealth / Home Care, the semantic Web**, e.t.c.
- ❖ It is also expected to create **synergies between the ICT focused stakeholders and the more “traditional” industrial and service companies** of Thessaloniki which is one of the largest industrial and commercial centres of Greece and the greater south-east European region.



RENER LL – Renewable Energies

Sustainable Community - Lisbon

- ⊕ RENER LL aims to foster the development of a local community by developing the smart grid concept associated with new **renewable energy technologies**;
- ⊕ RENER LL's mission is **to induce the appropriate context, in a local community**, to allow the research and development, the test, implementation and validation of new energy technologies and solutions.
- ⊕ In order to achieve this mission, **RENER LL will act both as a test bed and a demo site**, putting a special emphasis in the smart grid concept as a way of fostering the development and integrating multiple technologies.



Thank you for your attention!