

The impact of
Knowledge Society on cities
and for competitive territories:
the example of the Living Labs
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Knowledge Economy, Knowledge Territories: the concept of Living Lab

Living Lab is a system for building future economy in which real-life user-centric research and innovation will be a normal co-creation technique for new products, services and societal infrastructure.

A Living Lab offers services which enables the users to take active part in research and innovation.

Trentino as a Lab (*TasLab*)

Trentino as a Lab is a cooperation cluster whose goal is to develop user-centric innovation and which involves all the three main innovation actors, namely research centers, enterprises and users.

LivingLab Schwechat:

user centric ICT developments under real life conditions

LivingLab Schwechat is part of Schwechat's Information Society Initiative eSchwechat.at.

It focusses on rehabilitation and Ambient Assisted Living technologies as well as on modern urban and regional planning technologies.

Graz: The EVOLARIS mobile Living Lab

The evolaris Mobile Living Lab will improve the product development cycle of user-centred and socially acceptable mobile services for young people, especially those in education.

IBBTi-City

in the Flemish cities of Hasselt and Leuven (Belgium)

The interdisciplinary institute for BroadBand Technology (IBBT) is the research institute founded by the Government of Flanders, Belgium, focusing on applications of broadband technology.

It converts the city of Hasselt and the city of Leuven into real-life test and experimentation environments for the applications of tomorrow.

Open Innovation Centre Brussels

The Open Innovation Centre Brussels sets up test and experimentation platforms and performs Living Lab research.

It is part of the research group based at the Vrije Universiteit Brussel, Belgium, and makes use of a WiFi mesh pilot network in the heart of Brussels.

The Lahti Living Lab (Finland)

The Lahti Living Lab promotes innovation in a challenging environment: Lahti has no university of its own and a low level of research input.

The Lahti region has launched a network facilitating innovation policy, which aims at finding the seeds of innovations from the practice and daily life.

Lunigiana Amica (Tuscany)

Lunigiana Amica meets the local demand with the national/international offer for quality knowledge resources, business innovation and financial services to rural enterprises, promoting and enabling the participation of its associates in innovative actions, pilot applications, research and demonstration projects, market development initiatives...

TLL Sicily:

Territorial Living Lab for the Sicilian Region

TLL Sicily is the first instance of a concept called “Territorial Living Lab”, that integrally applies the LL approach to a territory and its citizens, its model of governance and its strategic plans for the future: in essence, it can be conceived of as a new model for regional development.

The objective of a Territorial Living Lab (TLL) is to use ICT to develop innovative means of participatory strategic co-planning and territorial self-governance, under the assumption that citizen co-responsibility can *finally generate models for sustainable spatial development*.

Living Piemonte:

regional Network of Living Labs

Living Piemonte is the rising network of Regione Piemonte aiming at sustaining the transfer of research and development results into new products and services which could be appealing for the markets.

The potentials of broadband technology will be exploited at their best thanks to the intersection with innovation cluster policy and with programmes dedicated to the digital divide reduction and to the local development promotion.

The Knowledge Workers Living Lab

(Munich)

The Knowledge Workers Living Lab has been launched in Munich with the support of University Bw Munich and local partners.

The target users are “knowledge workers” and their new working environments, involving individuals, eProfessionals, community members as well as large companies and start-ups.

Pisa Living Lab - *Learning Lab*

The Learning Lab is a free association of creative people, founded in Pisa in 2007 to bring innovation from laboratories into everyone's and everyday life.

The Learning Lab is the place of aggregation where people coming from different backgrounds (University of Pisa, CNR, Sant'Anna, Scuola Normale Superiore and many high tech companies) collaborate to solve problems and invent new products.

EuroMedITI (Malta) :

the Euro-Mediterranean Initiative for Technology & Innovation Living Lab

Initiated by the Government of Malta as a platform for technology transfer in the Euro-Mediterranean region, LL EuroMedITI is a strategic innovation hub encouraging the development, customization and deployment of technologies within the Mediterranean Region.

It directly addresses the objectives of the Lisbon Strategy to develop European networks of innovation at a regional level, so as to increase knowledge and technology transfer and promote economic growth.

The Living Lab Malta (LLM)

The concept of Living Lab Malta (LLM) has been developed and exploited on the base of the global project of SmartCity Malta (SCM).

The operating organisation of LLM will be the Maltese Institute of Open Innovation and hosted by Smart City Malta.

Madeira Living Lab

The Living Lab for mobility and innovative IT services and technologies

The Region of Madeira has two islands Madeira and Porto Santo, with an ideal size for testing socio-economic variables and for the adoption of new social behaviours in a confined environment driven by sustainable regional development.

Madeira has a comprehensive telecommunications infrastructure, namely a high penetration of mobile communications (GSM and UMTS), being most of the population covered by Internet broadband access (ADSL and Cable) and a very active e-Inclusion Programme.

S. JOÃO DA MADEIRA

INDUSTRIAL LIVING LAB (SJM-ILL)

The SJM-ILL is a co-creative space for innovation focused on giving empowerment to the local business, industrial community end users, by providing them with a user-driven Living Lab environment supported by stronger technological, innovation capacity and user involvement.

Living Labs Minho

Value creation through innovation for & by the people Living Labs Minho aims at enabling and promoting project that simultaneously contribute to:

- product and service innovation;
- technology transfer between research units and social and economic institutions;
- innovation-based value and wealth creation within the Minho region;

develop a culture of openness to innovation, an entrepreneurial attitude and a participative citizenship stance among Minho inhabitants, specially its youth; knowledge-driven regional development; extension of existing IT infrastructures with potential to attract new services and industries to the region.

INTELI

Inteligência em Inovação, Centro de Inovação

The “Creative Media Lab” is an open, innovative and creative community with the objective of the conception, development, validation and testing of novel services/products and applications/solutions in the area of “Digital Media”, namely digital journalism and media, considering the citizens as lead users in a real-life context of a university, a neighbourhood, a city or a region.

VilanoLab Neàpolis

Neàpolis presents the Living Lab VilanoLab, focused on the city of Vilanova i la Geltrú, which seeks to create a heterogeneous network of users based on the citizens of Vilanova I la Geltrú, which can be leveraged by all the Neàpolis stakeholders as a Living Lab.

Neàpolis comprises three projects that use the living lab methodology, and will constitute the three pillars of the VilanoLab: The Digital Communities, The Digital Media and Health and Dependence.

Mobile City Bregenz

The objective of the Mobile City Bregenz is to provide innovative products and services to its citizens and tourists using advanced mobile technologies.

Mobile City Bregenz was the first Mobile City in Austria and one of the first Mobile Cities in Europe.

The SOLET Living Lab

(Swiss Open Laboratory for E-Tourism)

The SOLET is devoted to the use of ICT in tourism. It aims to create a playground for innovative ideas that may be used to improve the work of agents in the tourism and hospitality industry, the collaboration between different players, the relationship of tourism agents and their respective customers.

The Swiss Living Lab Community (SLLC)

The core group of the SLLC is composed of four PPP partners: University of Applied Sciences Northwestern Switzerland, Lucerne University of Applied Sciences and Arts, and Foundation “Stiftung Produktive Schweiz”.

These partners bring together a combination of different real and virtual world spaces, collaborative working environments, digital learning ecosystems, methods, tools and curricula for open innovation communities within Switzerland and EnoLL.

Cyber Care Clinique *Living Lab* (CCCL)

The swiss Cyber Care Living Lab aims to offer a novel virtual -reality-based healthcare system for integrated clinical and in -home services.

The *Cyber Care Living Lab* in Rotkreuz (Canton Zug) forms the foundation of a large variety of novel real-time applications where a new generation of input/output devices, digital environments and virtual humans create an interactive experience for the purpose of rehabilitation, telemedicine and home -based monitoring for Ambient Assisted Living.

Territories of Tomorrow Living Lab

Territories of Tomorrow Living Lab gathers under the auspices of :

1. Saint-Laurent de Neste competences pole dedicated to heritage and knowledge technologies (cave of Gargas - INITIATIC Project / numerical abbey of Escaladieu, Midi-Pyrenées) on the one hand
2. and of Territories of Tomorrow Foundation on the other hand,
 - a) a village of knowledge
 - b) an archaeology centre in Provence - Côte d'Azur,
 - c) a reflection space dedicated to very broadband Internet in Alsace,
 - d) as well as the European Centers of New Technologies (CENT) of which the first will see its building site starting next year in Privas (Rhône - Alpes).

Territories of Tomorrow Living Lab objectives are as follows:

a prospective reflexion on regional planning, development of their identity and technological innovation management, connection with the great international institutions

- a better tourist, economic and cultural valorization of heritage, notably through Tourists Mobility (using technologies of Geographic Information Systems, geolocalisation and geotagging) and of the new forms of cultural mediation (using virtual reality, enhanced reality and 3D modeling, through Numeric Interpretation Centers)
- constitution within the cistercian abbey of Escaladieu of a European Knowledge Centre on the set of themes " Information Technologies and Heritage "
- development of the Knowledge village of Peyresq (Hautes-Alpes) in a high place of research devoted to Knowledge Economy
- creation of an experimentation and reflection space on the uses of very broadband Internet in Strasbourg
- realization of European and Euromediterranean projects in connection particularly with the Archaeology Centre of Var in Draguignan
- partnerships creation with the world of research and economic actors beside European Centers of New Technologies (CENT) such as the Privas one (Communauté de Communes de Privas Rhône et Vallées, Ardèche).

Territories of Tomorrow Living Lab

- Saint-Laurent de Neste territory, engaged for more than 10 years in a policy of local development based on infotechnologies, has carried out many projects in the fields of data processing, of digitalization of heritage elements (RENABL Project) and tourism (ULYSSE, Hypercarta R&D projects), of geomatic (BRIDGE-IT, EDIT R&D projects); these projects were carried out by the two local structures implied in ICT development, the Centre Européen des Technologies de l'information en milieu Rural and the Maison du Savoir.
- We also have infrastructures full equipped for creation, accompaniment and lodging of companies specialized in themes explored by this Living Lab, with the presence of a firm growing centre on the area.

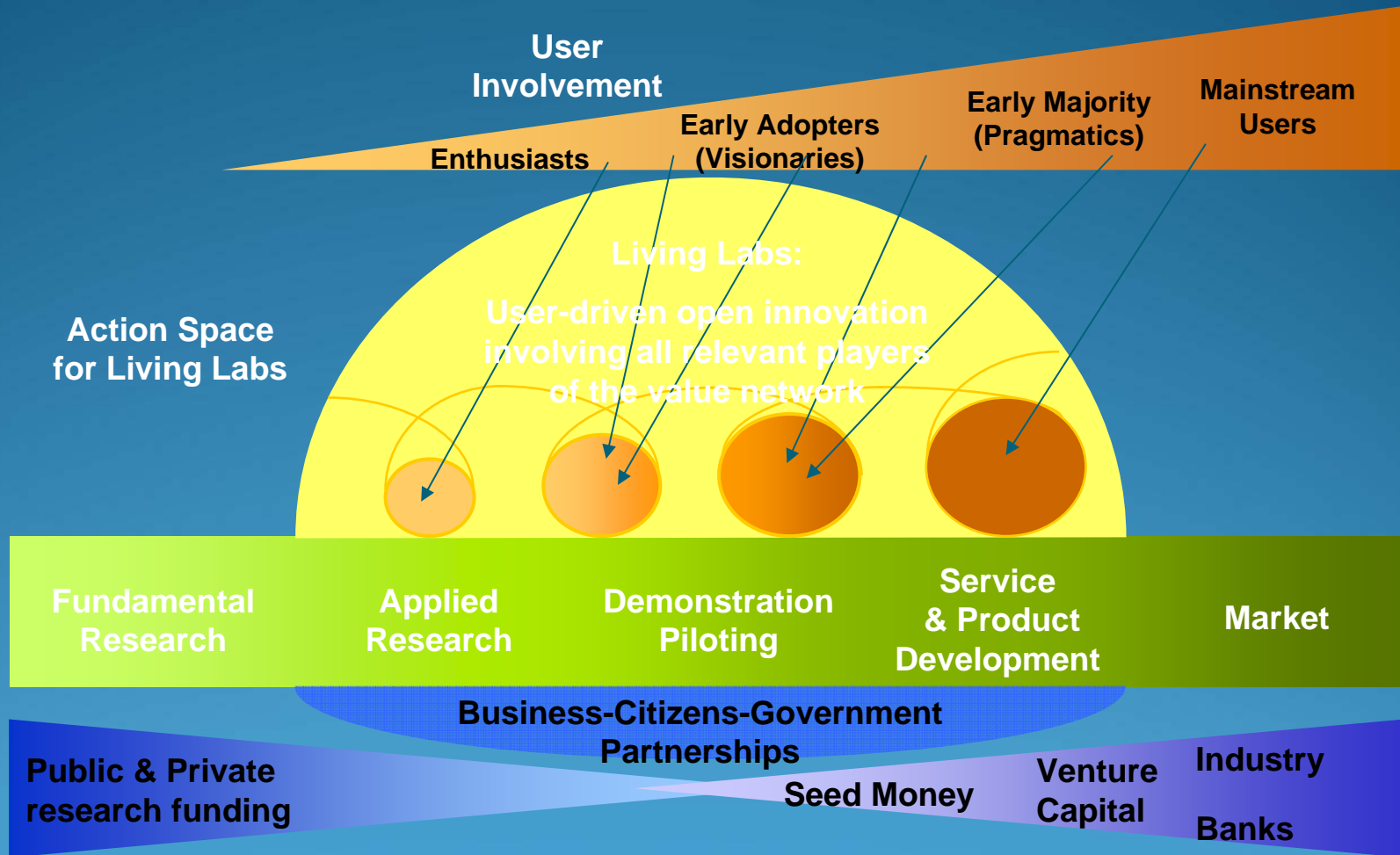
Territories of Tomorrow Living Lab

Territories of Tomorrow Foundation created by:

- the European Network of digital Cities (www.villesnumeriques.org)
- and the european association of teachers and researchers ARENOTECH (www.arenotech.org), partner of MOSAIC and WEEEST European projects,

accompanies economic and territorial actors and projects holders in the field of Knowledge Economy.

Action space for Living Labs along the technology adaption cycle





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