

## FIREBALL – FUTURE INTERNET RESEARCH AND EXPERIMENTATION BY ADOPTING LIVING LABS - TOWARDS SMART CITIES



# FIREBALL

## Aims and Objectives

The main objective of the FIREBALL Coordinating Action is to coordinate and align activities in the domain of Future Internet research and testing, and user driven open innovation into a sustainable network of European cities paving the way for Smart Cities by utilising facilities and people. This is done by bringing three communities and assets together, the FIRE community, the User Driven Open Innovation (Living Labs) community, and users in city environments, thus creating a sustainable city centred network of open user driven innovation.

Objectives:

- To achieve a European-wide coordination of methodologies and approaches and activities in the domains of Future Internet research and experimentation (FIRE) and User Driven Open Innovation to benefit innovation towards Smart Cities. The coordination is driven by a network of Smart Cities and includes the key constituencies involved in Future Internet innovation (Future Internet Research and Experimentation, User Driven Open Innovation) to benefit open, sustained and user-driven Future Internet innovation in cities and urban areas, to align and accelerate innovation activities and to exchange know-how, experiences and information, and innovation plans and activities.

- To leverage European-wide available assets (scientific excellence, technologies, methodologies, tools, experimental facilities, living labs, user communities) of the constituencies involved, to enable Smart Cities across Europe to explore and exploit the opportunities of the Future Internet in future showcases. This results into a common framework of Internet innovation assets, innovation methods and processes, and mechanisms to provide access to the identified complementary assets, thus providing the basis for Future Internet innovation to support the development towards Smart Cities.

- To ensure a coordinated development and sharing of best practices and showcases of Future Internet innovation across pilot cities, and covering different thematic domains for Smart Cities innovation. Within FIREBALL, Smart Cities are considered as the drivers of Future Internet innovation. A core network of cities engages in practical collaboration to explore the opportunities of the Future Internet and user driven open innovation environments, underpinning a roadmap and action plan for Cities towards Future Internet Innovation.

## Benefits

FIREBALL provides the opportunity to combine FIRE and Living Labs research communities and assets, and in doing so, open up a new and novel

### **Contract number**

FP7 - 257291

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### **Project website**

[www.fireball4smartcities.eu](http://www.fireball4smartcities.eu)

### **Community contribution to the project**

1 500 000 Euro

### **Project start date**

1 May 2010

### **Duration**

**24 months**

approach to coordination of experience research and open user driven innovation activities in collaboration with Future Internet research experimenting in real large city environments involving citizens.

Beneficiaries will be the FIRE and Living Labs communities , especially projects from the CIP and PPP call autumn 2010, and cities and the public authorities responsible for strategic planning, infrastructure, service delivery, etc, as well as national agencies and actor responsible for developing new R&D programmes, and industry involved in discovering new market opportunities by observing user needs. Policy makers developing strategies to explore the Future internet and user driven innovation for the benefit of social and economic development will fit this group. The FIREBALL concept will make it significantly easier for both individuals and organisations in the private and public sectors to initiate, test and evaluate new innovative smart services.

## Action and Implementation

Baseline indicators data of today:

- Constituencies (Future Internet, Living labs, Cities) are not working together e.g. no common innovation agenda
- No European-wide coordinating activities among the constituencies are visible
- Very limited exchanges of methodologies, priorities, ambitions among the constituencies mentioned
- There are no methodologies available that would enable actors in the domains of Living Labs, Future Internet and Smart Cities to work together
- There is no clear idea about the common and/or complementary assets and how to leverage them, that could underlie such collaboration
- The concept of user driven open innovation is not yet accepted in relation to Future Internet innovation
- Unclear demand for Future Internet applications at city level
- No sharing of best practices and showcases
- Absence of clear strategies and roadmaps at city level towards exploitation of Future Internet opportunities

Actions that will achieve/result in:

- Creation of a European-wide community of Future Internet Innovation constituencies (FIRE, Living Labs, Smart Cities)
- Creation of a common vision and shared agenda by the Future Internet innovation Constituencies mentioned.
- Development of showcases to represent innovative uses and future needs of Future Internet in Smart Cities
- Organisation of a workshop/Conference on Future Internet and User Driven Open Innovation
- Identification of common concepts, methodologies, tools and processes to enable the constituencies to work together for Future Internet innovation
- Definition of processes and arrangements to enable the three constituencies to access, share and use common assets
- Ensure coordinated development and sharing of best practices of Future Internet innovation in pilot cities and sectors
- Creation of a Smart City network for Future Internet innovation, based on a core group of advanced cities
- Development of a roadmap and action plan for exploring Future Internet innovation
- Identification of Future Internet pilot areas, and sharing of practices across Cities

<b>Project partners</b>	<b>Country</b>
Luleå Tekniska Universitet	Sweden
Alto University	Finland
European Society of Concurrent Enterprising Network	Italy
Manchester City Council	United kingdom
Amsterdam Innovation Motor	Netherlands
ESADE Business School	Spain
Alfamicro	Portugal
Intelligent Sensing Anywhere	Portugal
Lisbon Municipal Energy and Environment Agency	Portugal
City of Helsinki	Finland
French National Institute for Research in Computer Science and Automatic Control	France
See separate list for the rest	