

# 17th International Conference on Concurrent Enterprising ICE 2011

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## Living Labs and Smart Cities in the EU Innovation Policy

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# The European Perspective

Europe 2020 “smart, sustainable and inclusive growth”

## Digital Agenda for Europe

Towards a  
European  
Digital  
Single Market

EIT / KICs : bridging education,  
research, innovation



## Innovation Union

Regional/Cohesion  
Policy  
Contributing to  
Smart growth

Other instruments:  
Structural Funds,  
National funding,  
Financial Instruments

## Common strategic Framework for Research and Innovation

CIP/ICT-PSP  
Pilots in specific domains  
across borders

FP7/ FP8  
ICT theme: FI PPP, EIPs, JTIs

Other policies: industrial policy for the globalisation era, youth on the move,  
Agenda for new skills and jobs, resource efficient Europe, the green digital charter...



# Innovation Europe

## Common strategic Framework



## RESEARCH

### FP 7

Living Lab projects  
-Open innovation  
-Coordination Actions  
**FIREBALL**

European Network  
of Living Labs

Studies

### INFSO

### FP 7

Innovation in SMEs

### RTD

## INNOVATION

Thematic Network  
**CO-LLABS**

C I  
P

Pilots  
**APOLLON**  
Smart Cities

**GNSS**  
Supervisory Authority

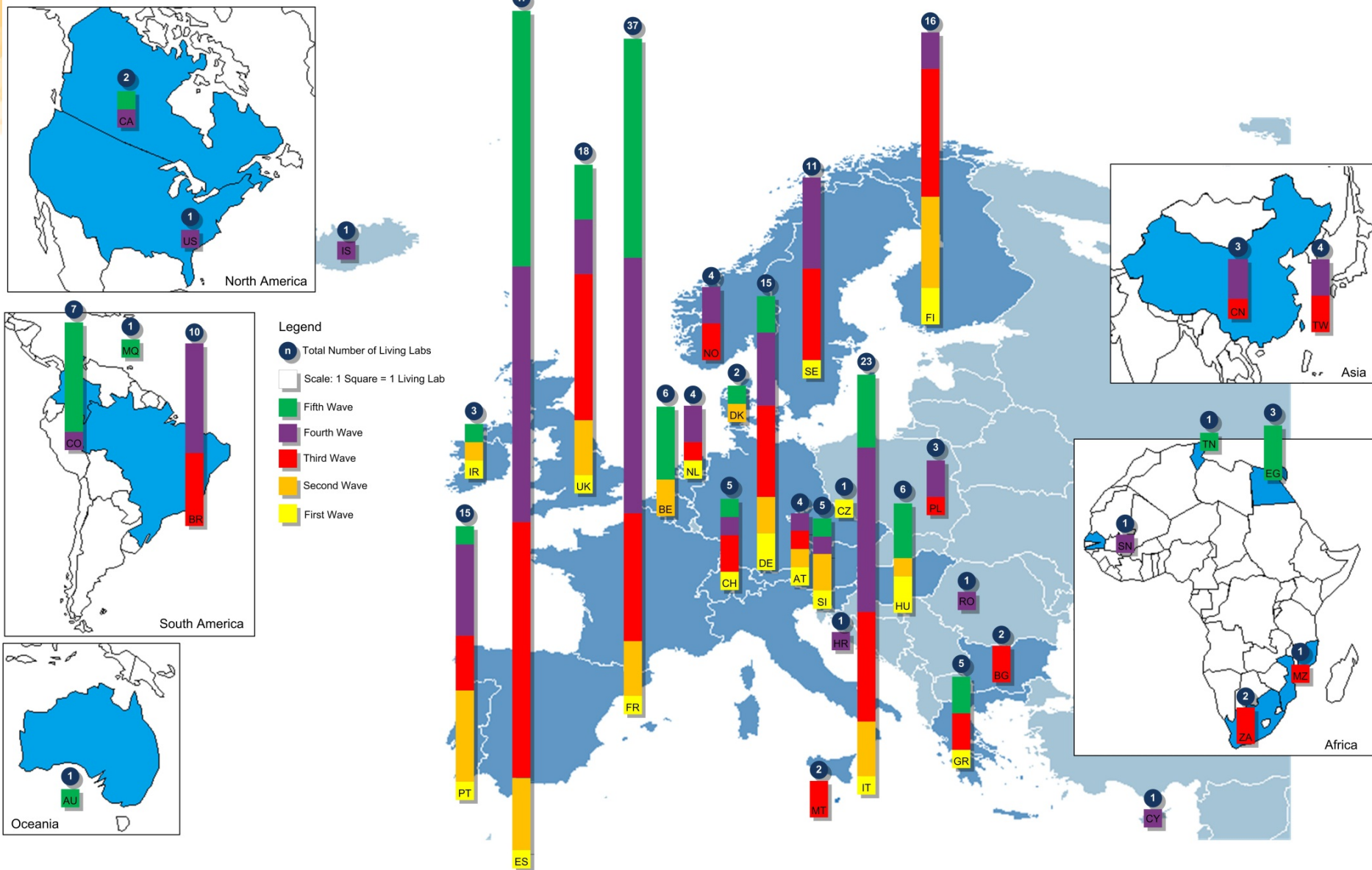
**GAINS**

**EAC - KIC**  
EIT – ICT Labs

## DEPLOYMENT


Regions for  
Economic Change  
**CLOE-ERIK REGIO IMMODI**  
Danube Action Plan

# ENoLL Five Waves





➤ Smart Cities and regions are at the core of the implementation of the European Digital Agenda



European Commission  
Information Society and Media

# Smart Cities Portfolio Working Group

## Different Priorities

- SMARTiP, PEOPLE : empowering the citizen
- Periphèria, Life 2.0 : social interaction
- Open Cities : public sector services
- EPIC : Business and commercial aspects
- Smart-islands : geographical synergies
- Smart Santander : Internet of Things
- FIREBALL : bringing communities together

25 Smart Cities in  
15 Member States

## Common Objectives

- apply user-driven open innovation methodologies
- build on innovative but mature Internet technologies
- boost deployment of internet-services
- carry out actual piloting at representative scale



# Smart Cities European Innovation Partnership

## Smart Cities and Regions towards Open European Smart Innovation Ecosystems

- Smart Cities and Communities Initiative launched by DG ENER on June 21, 2011
- Public consultation from March 18 to May 13
- Setting up the Smart Cities and Communities Stakeholder Forum
- Research on Smart Cities :  
40M€ from DG ENER in FP7 call8



# Smart Cities Green Digital Charter

- November 2009 with 14 Cities
- Today 24 Cities
- Creating an intercity partnership on ICT and energy efficiency
- Deploying five large-scale ICT pilots per city before 2015
- Reducing city carbon footprints by 30% by 2020



# FP7 Call8 figures

- **Opening on July 20<sup>th</sup>, 2011**
- **Closing on January 17<sup>th</sup>, 2012**
- **€ 785.5 M**
- **Evaluation February – April 2012**



# ICT Call 8

- Twelve objectives in five Challenges
  - 1.1 Future networks
  - 1.2 Cloud computing; advanced software engineering
  - 1.4 Trustworthy ICT
  - 1.6 Future Internet research and experimentation
  - 3.1 Nanoelectronic components
  - 3.2 Smart components and smart systems integration
  - 3.5 Photonics technologies
  - 4.4 Intelligent information management
  - 6.1 Smart energy grids
  - 6.3 Efficient water resources management
  - 6.7 Cooperative systems for energy efficiency and mobility
  - 8.1 Technology-enhanced learning



# ICT Call 8

- Four FET Proactive objectives

9.6 Unconventional computation

9.7 Dynamics of multi-level complex systems

9.8 Minimising energy consumption of computing to the limit

9.12 Coordinating communities, identifying new research topics, fostering networking of national and regional programmes

- Two specially targeted actions

9.14 Science of global systems

11.1 Pre-commercial procurement actions



# Public Private Partnership calls 3

## Factories of the Future 2012

7.1 Smart factories; energy-aware, agile manufacturing and customisation

7.2 Manufacturing solutions for new ICT products

## Energy-efficient Buildings

6.5 ICT for energy-positive neighbourhoods

## Green Cars

6-8 ICT for fully electric vehicles

# Public Private Partnership calls 3

- Calls launch 20th July 2011 (pending budget agreement)
- Calls close 1st December 2011
- Total indicative ICT budget  
FoF 60 M€; EeB 30 M€; GC 30 M€
- Evaluation January-March 2012





# Future Programmes beyond 2014

- **9/2/2011 Green Paper on common strategic framework for future EU Research and Innovation funding**
- **To cover FP8 + CIP + EIT**
- **20/5/2011 Consultation closing**
- **End 2011 Consolidated proposal**
- **July 2012 Discussions with EP & Council**

# Contacts

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