



# FIWARE Mundus

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# FIWARE: The largest EU programme to develop and bring to the market an Open service platform

## Context

- Use case requirements
- The FIWARE Platform (Generic Enablers)
- 13 large scale Use Cases (validation of the FIWARE technology)
- Setup of a federation of Future Internet Infrastructures (Instantiation of FIWARE platforms)
- 16 Accelerators dedicated to push FIWARE offering for innovative SMEs uptake
  - **Concrete opportunities for NEM players!**

## Ambition

- 600 M€, 400 people working full time across Europe from 2011 to 2016

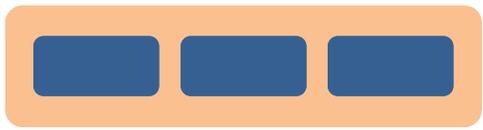
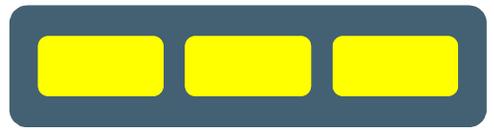
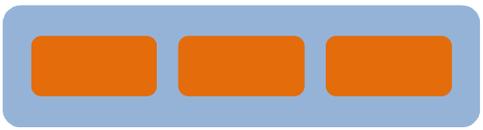
## Outcomes

- Open Service Platform
- Innovation Ecosystem with more than 1,000 SMEs and web entrepreneurs
- Based on advanced technologies (IoT, Big Data, CC, ..)

## Today

- **Technology** (The FIWARE platform + Sector specific platforms)
- **People** (Innovation ecosystems)

**FIWARE:** An application is based on a set of GEs + SEs + additional application-specific software components

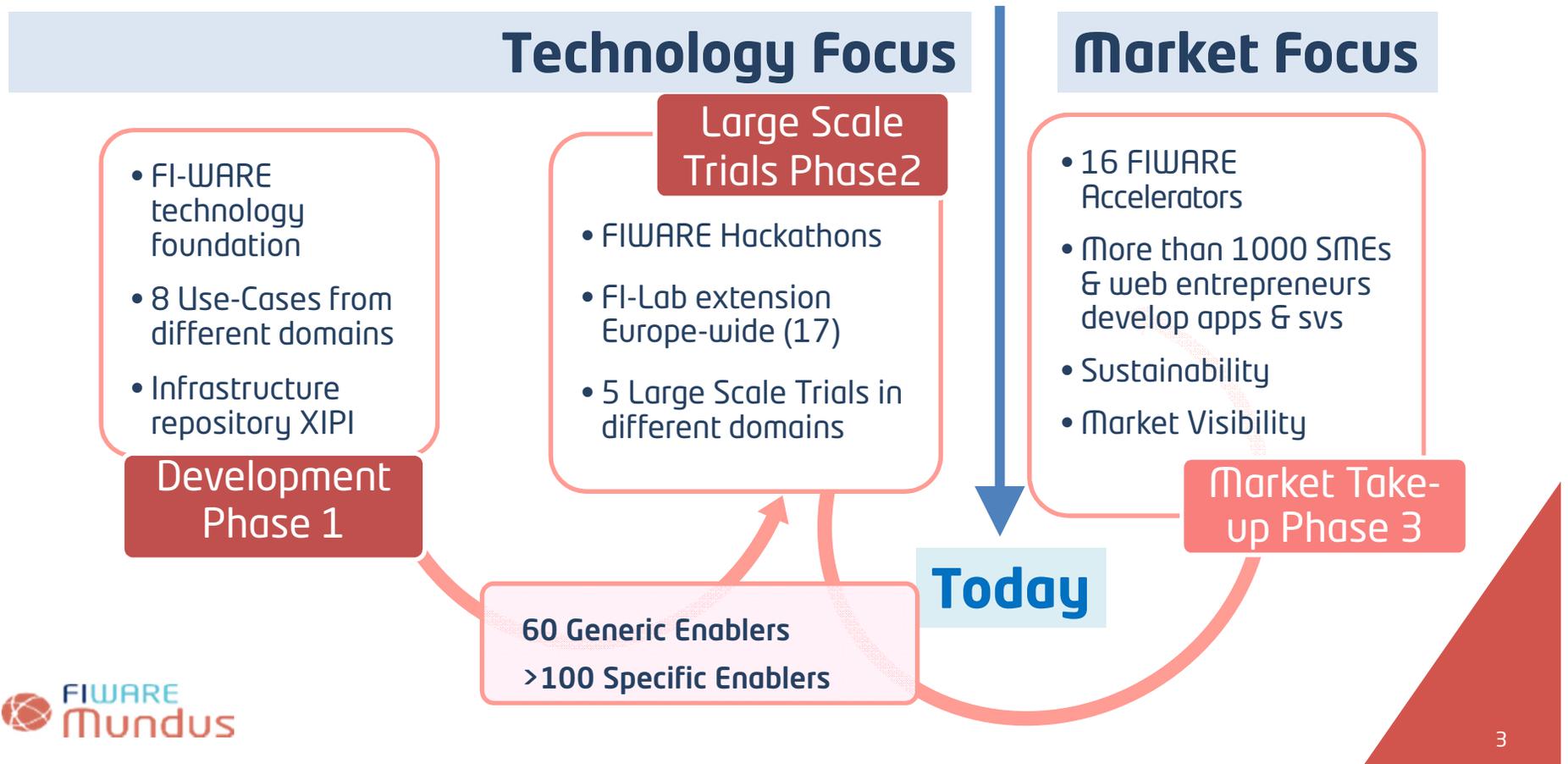


Domain specific enablers



FIWARE

# FIWARE enters the Take-up Phase: From Innovation to the Market



## FIWARE: Concrete Opportunities for Creative Industries

### FIContent (<http://mediafi.org/>)

- It provides specific enablers (software components) to SMEs and developers, so that they can create applications and services in the areas of:

**Social connected TV, Smart City Services, Pervasive Games**

- Solid and mature technology with a number of success stories

### Phase 3 Media Accelerators for all European SMEs and Startups

- Direct funding
- Mentoring
- Coaching
- Support
- Networking

### Sectors

- Smart Cities, eHealth, Transport, Energy & Environment, Agrifood, Manufacturing & logistics, Social & learning, **Media & content**
- **8 Accelerators in the Media & Content domain** <http://www.fiware.org/accelerators/#media>
- Details about **Open Calls** available on-line

# FIWARE Mundus: The Path to a Global Future Internet Ecosystem

Mobilizing worldwide players and decision makers towards the Future Internet

## FIWARE: born in Europe, but to become global!

- FIWARE Regions and innovation hubs are being kicked off all around Europe and beyond



## FIWARE Mundus: Cooperation opportunities in Europe and beyond

### Selecting and setting up FIWARE Regions and local innovation hubs

- Set up a **sustainable FIWARE ecosystem** together with the decision makers and the players of the innovation ecosystem in **FIWARE regions**
- Support **decision makers** i.e. local and regional authorities, **innovation agencies, industry clusters, accelerators, incubators**, etc. to mobilize the innovation ecosystem (SMEs, start-ups, web entrepreneurs) so as to develop new products, solutions, applications around FIWARE
- In Europe, help regional ecosystems access European funds for innovation, in particular in relation with the Smart Specialization Strategy; and support local selected **innovation hubs**

### International cooperation

- Setting up new FIWARE Lab nodes and FIWARE innovation ecosystems around the globe
- Cooperating in terms of exchanging knowledge about FIWARE and its usage
- Sharing best practices and research directions in the Future Internet

# FIWARE Lab nodes expansion

## 17 FIWARE Lab nodes

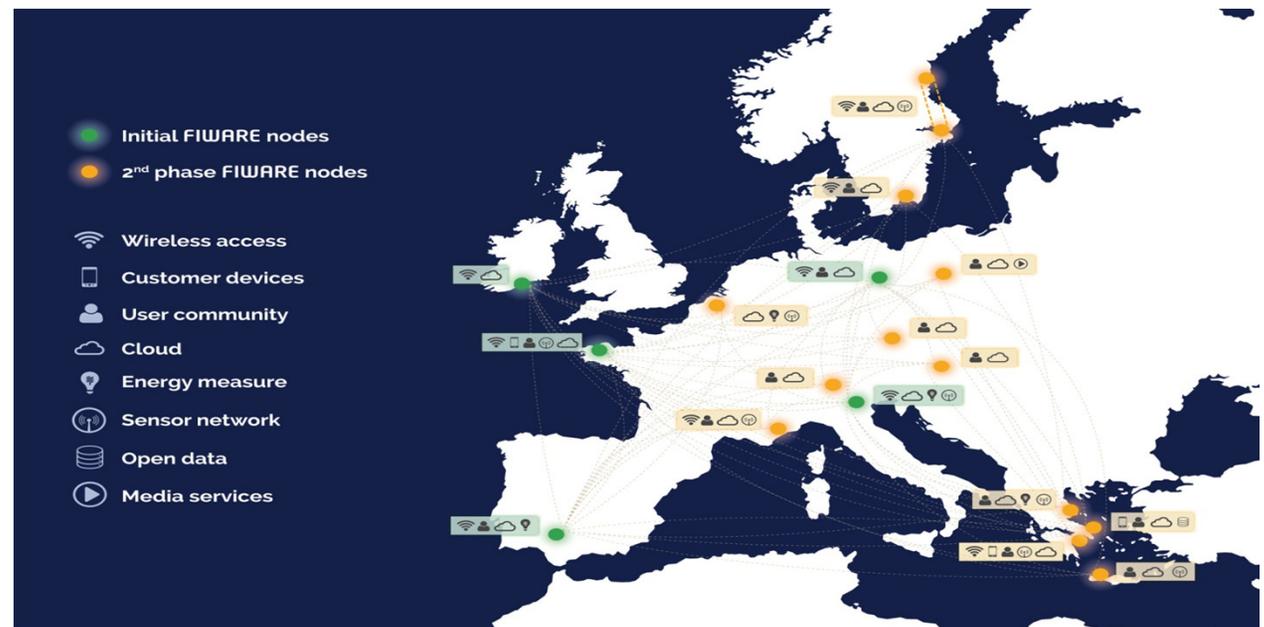
- Currently 17 nodes in Europe providing up to 3000+ cores, 16TB+ Ram, 750TB+ HD

## And up to 19 by the end of Q1 2015

- 1 new node being set up in Europe (Messina, Italy)
- 1 node in Mexico providing 1200+ cores

## ...and more to follow!

- Discussions with several European regions and with Brazil and Chile already started
- And other regions and countries with high potential



# FIWARE Mundus: Approach to European Regions



● European regions pre-selected as candidates for "FIWARE Regions"  
● Innovation Hubs (Open Call #1)

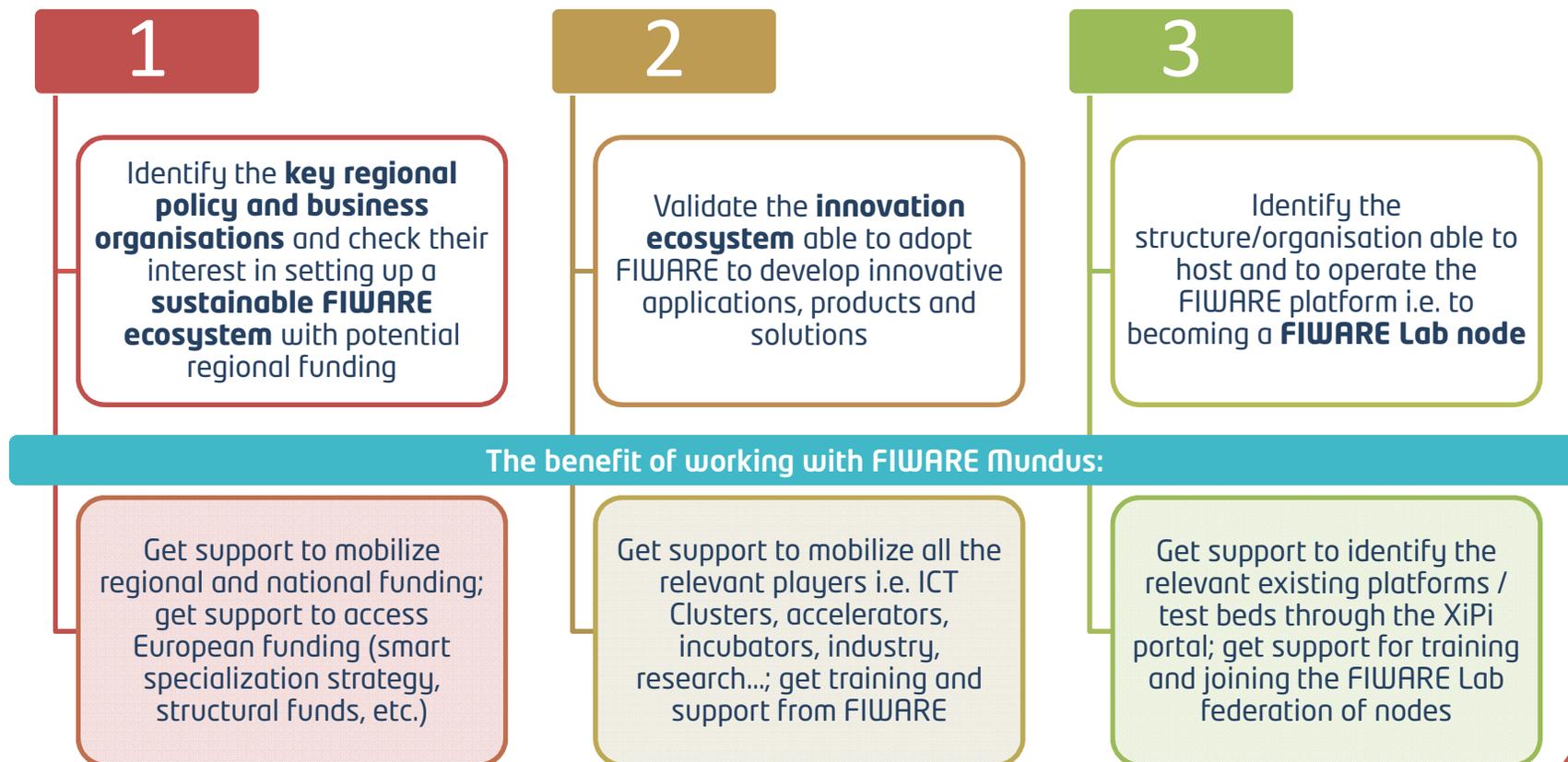
## Pre-selected "FIWARE Regions"

## Innovation Hubs selected via open calls

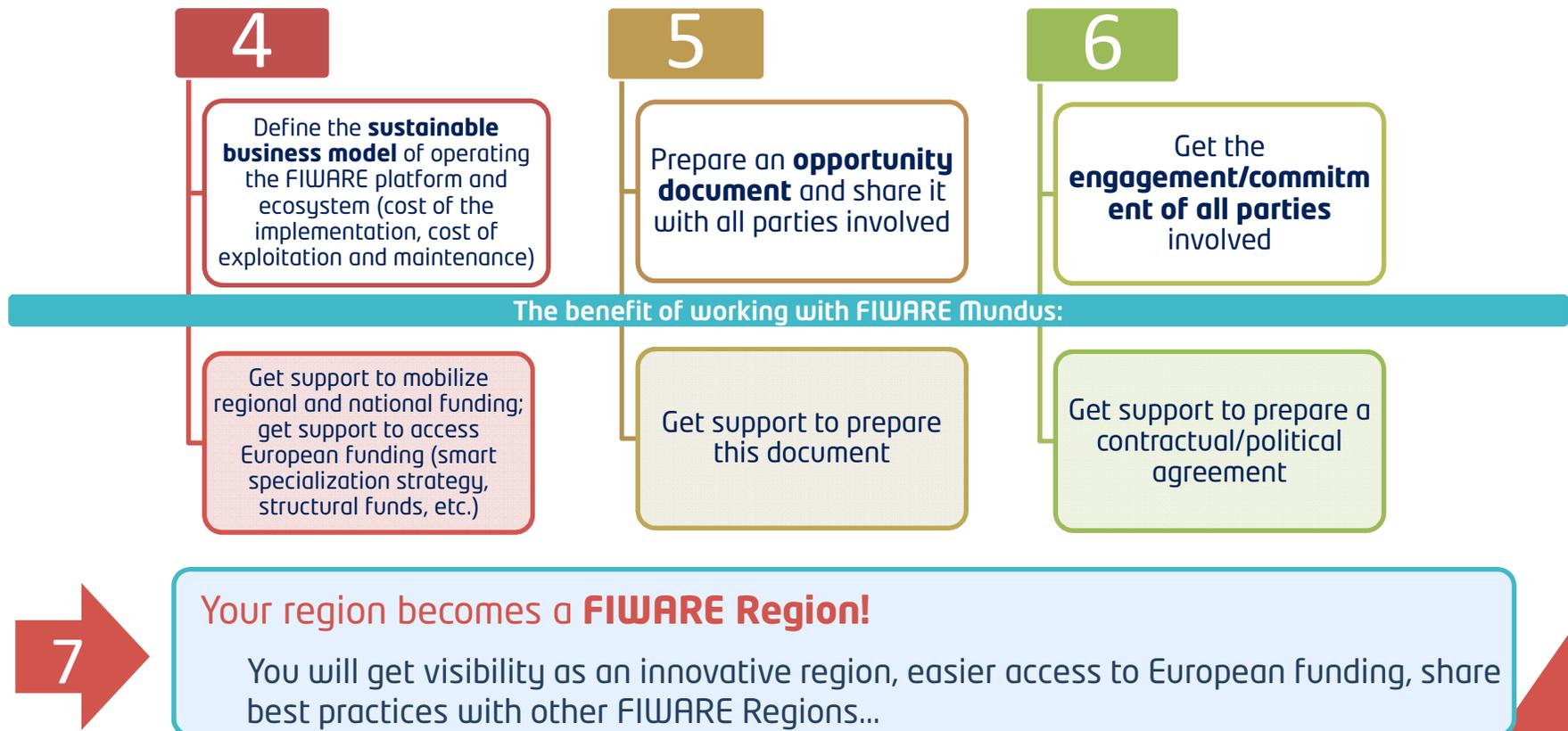
A study was performed over 180 regions

- **Objective:** identify the most relevant regions, which can support and mobilize their innovation ecosystem to develop new applications and services with FIWARE
- **Selection criteria:**
  - ICT as one of the top smart specialisation topics
  - European ICT Pole of Excellence (EIPE)
  - Already involved with FIWARE (experiments, nodes, accelerators)
  - Active ICT cluster(s)

## FIWARE Mundus: Regional Engagement - The Process (1/2)



## FIWARE Mundus: Regional Engagement - The Process (2/2)



## FIWARE Mundus: Regional Engagement - Status

**First step:** validate stage 1 to 3 i.e. willingness, ecosystem, node with pre-selected regions

- Meetings already held with Brittany and PACA regions in France, Basque country in Spain, Berlin region in Germany, Emilia-Romagna in Italy, and South East Ireland
- Meetings with Poznan in Poland (Wielkopolska Region), and with Helsinki, Porto and Lombardy Regions -meetings in Q1 2015

**...and prepare second step to become a FIWARE Region**

- Interaction with JRC / S3 for the Smart Specialization Strategy initiative at EU level
- Interaction with European Cluster Observatory, eDIGIREGION
- Interaction set up with FIWARE and the innovation hubs (I3H)

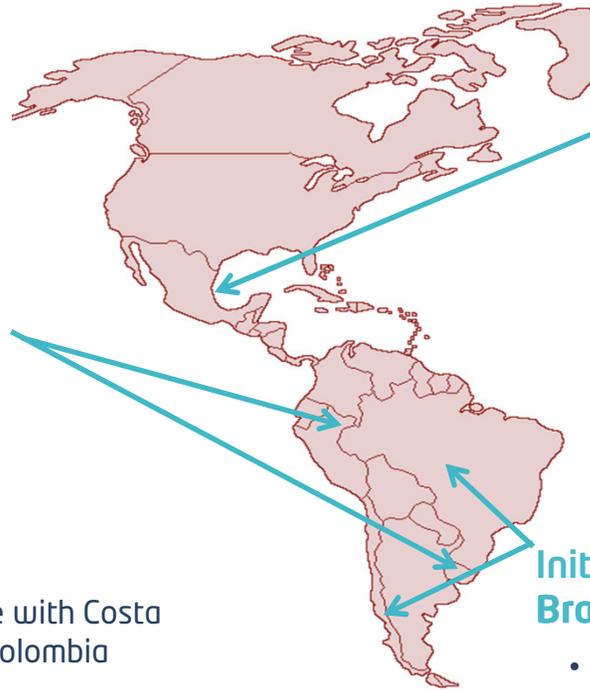
# FIWARE Mundus: International Engagement (1/2) - Latin America

## First contacts with Uruguay and Peru

- Progress with Peruvian authorities who are willing to hold further meetings around FIWARE
- Uruguayan representatives expressed their intention to connect to the Mexican node

## Other LatAm countries

- Initial contacts have been made with Costa Rica, Panama, Nicaragua, and Colombia



## First international activities kicked off in Mexico

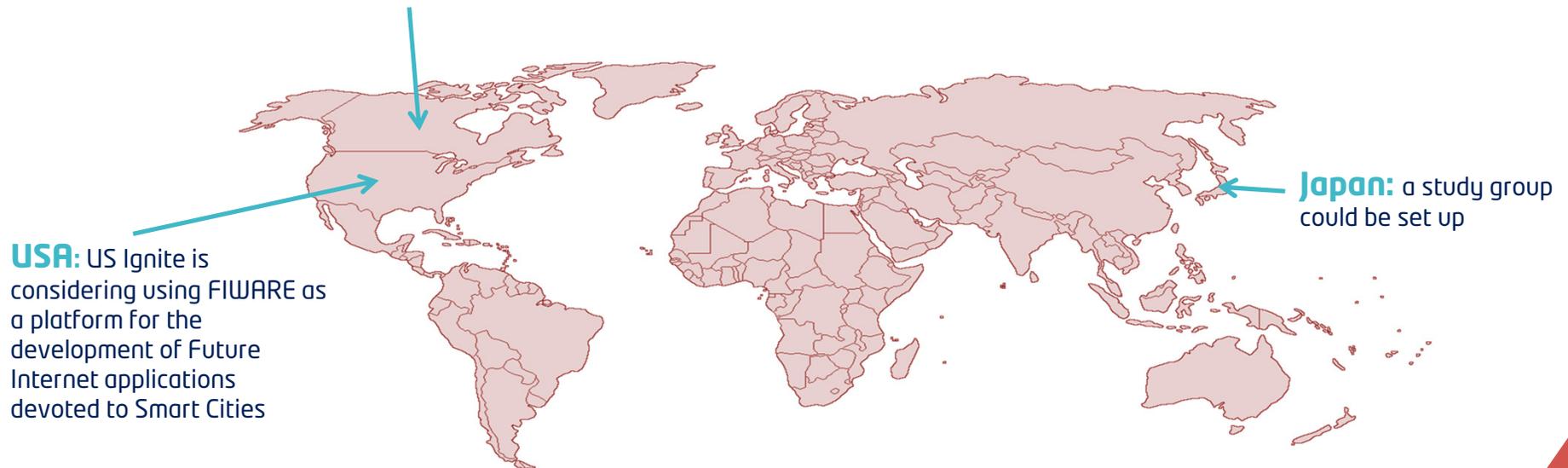
- Public authorities engaged and involved
- Setup of a FIWARE node in Mexico is a reality (1200+ cores by Q1 2015)
- Action plan in place: promotion of FIWARE within funding programmes targeted to startups/entrepreneurs in Mexico, identification of Mexican cities which will publish their open data and APIs on the FIWARE Lab

## Initial activities with Chile and Brazil

- Progress with authorities and an R&D center devoted to Future Internet and FIWARE in Chile
- Contacts with authorities in Brazil

## FIWARE Mundus: International Engagement (2/2): Other Countries

**Canada:** considering using FIWARE along with the Canadian SAVi as potential foundations for Smart City Platforms



**USA:** US Ignite is considering using FIWARE as a platform for the development of Future Internet applications devoted to Smart Cities

**Japan:** a study group could be set up

- **Africa:** preliminary contacts with **Ivory Coast, Senegal, Mauritius**
  - FIWARE related papers have been submitted to IST-Africa 2015
- **Rest of the World:** some preliminary contacts with **Korea, Singapore, India**
- **In addition → Interaction with other projects:** *JEUPISTE, FESTIVAL (Japan); CONECTA2020 (Latin America)*



**Do you want to participate?**

Contact us at: [fiware-mundus-req@lists.fi-ware.org](mailto:fiware-mundus-req@lists.fi-ware.org)

**The Future Internet is waiting for you!**

