

# Future Internet

Public-  
Private  
Partnership

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European Commission, DG CONNECT, Net Innovation

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# What is different today from 5 years ago?



## Computing

- Never has computing power been as abundant and cheap.
- Computing is everywhere, mobile, in the network, ...



## Data

- Never has there been so much data accessible
- Big data, open data, business data,...



## Cloud

- Never have complex services been closer to you
- Everything as a services, pay as go,...



Internet of Things ... *billions of devices generating information*

# Objective



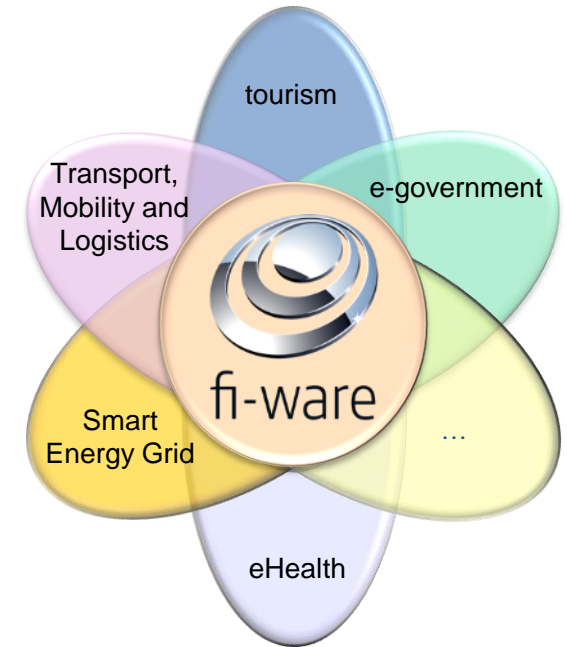
1. Make European industry and software developers more competitive in developing and using innovative Internet technologies and systems.
2. Strengthen Internet-enhanced innovative services and applications of public and social relevance, notably in urban areas

More intelligent, more efficient, more sustainable!



FUTURE  
INTERNET  
PPP

- ◆ The aim of the FI-PPP is to capture new opportunities in the Future Internet, derived from digitalization of economy sectors
- ◆ This requires creating an generic, open and standard platform (FI-WARE) and meeting point (FI-LAB) around which a dynamic innovation ecosystem can be created engaging developers and entrepreneurs
- ◆ Born local (Europe) but with global ambition



EC provides half of the funding:

Pan-european dimension

Industry driven,  
major industry  
players involved

### FACTS:

**2x € 300 million**

INVESTMENT BY THE EUROPEAN COMMISSION &  
PROGRAMME PARTICIPANTS

**158**

PARTNER  
ORGANIZATIONS  
AND COMPANIES

**68%**

INDUSTRY SHARE  
IN THE PROGRAMME

**18**

ACADEMIC  
INSTITUTIONS

**23**

COUNTRIES REPRESENTED  
(2 FROM OUTSIDE EUROPE)

Open APIs for Open Minds



FI-WARE

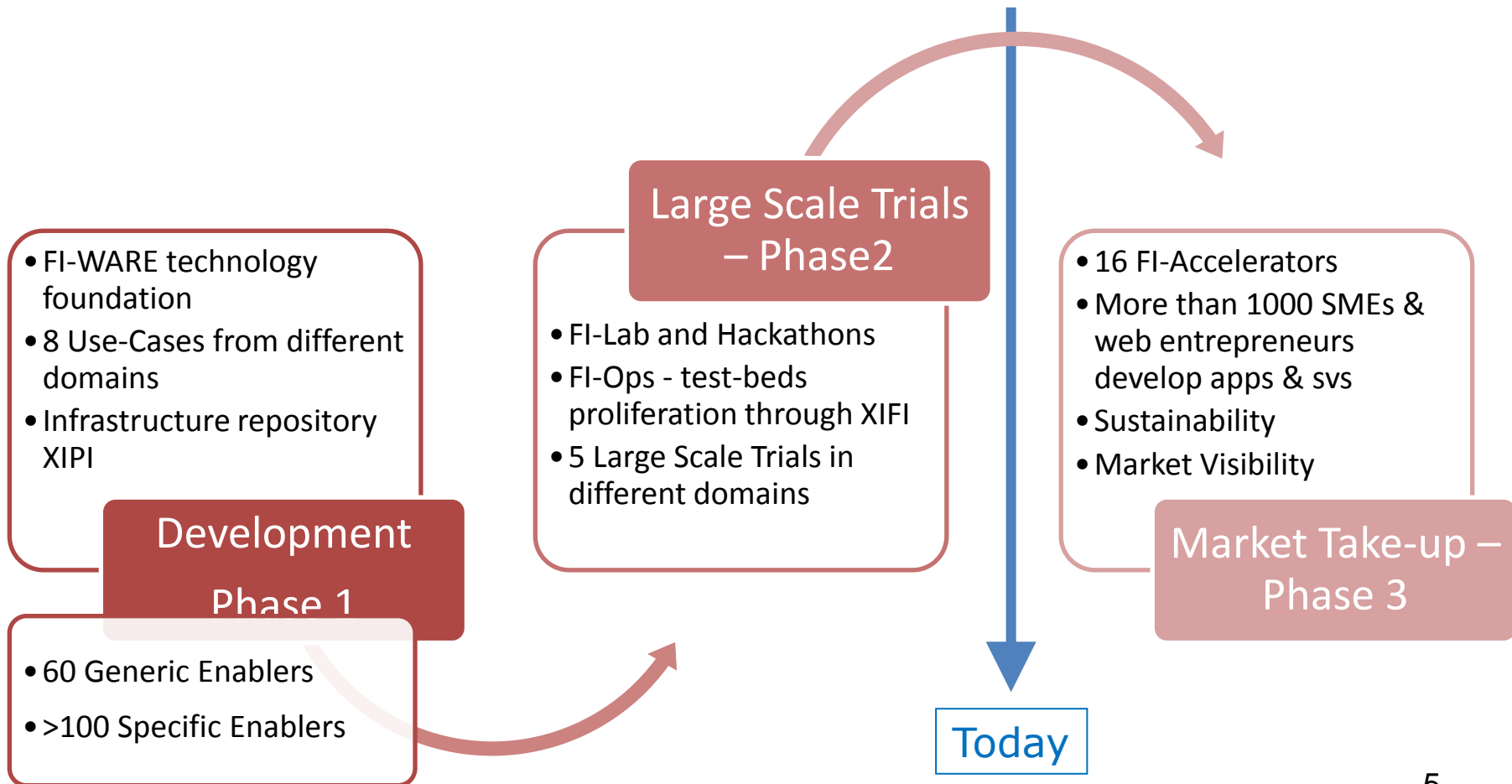


FI-Lab

# Future Internet PPP *life cycle*

## Technology Focus

## Innovation Focus



**What we have now?**



Search

#### FEATURED VIDEO



#### FOLLOW US ON TWITTER

#### Tweets

 Follow



5h

@inthecompanyof Glad to read that :) If you have any troubles again, contact the FI-Lab Help email for assistance. Thanks!



20h

Future Internet Opportunities in Smart City Environments conference in Madrid, May 13th [bit.ly/1KXW3WS](http://bit.ly/1KXW3WS) #smartcities #futureinternet

Expand




22h

FI-WARE is an innovative, open cloud-based infrastructure for cost-effective creation and delivery of Future Internet applications and services, at a scale not seen before. FI-WARE API specifications are public and royalty-free, driven by the development of an open source reference implementation which accelerates the availability of commercial products and services based on FI-WARE technologies.

Creation of a sustainable innovation ecosystem around FI-WARE is materialized through FI-Lab, a working instance of FI-WARE enabling free experimentation with the technology. FI-Lab is a place where application sponsors (application customers, public administrations, investors) and application developers as well as web entrepreneurs (individuals, SMEs and other companies) can meet each other. A genuine meeting point for innovation on the Internet.




# Example: FI-Guardian

Cloud Store Mashup Account Help&infoMarcos MarconiEditor Wiring Marketplace

/ marcos-marconi / FI-GUARDIAN ▾

### Smart Cities Challenge



### Categories

**Category**

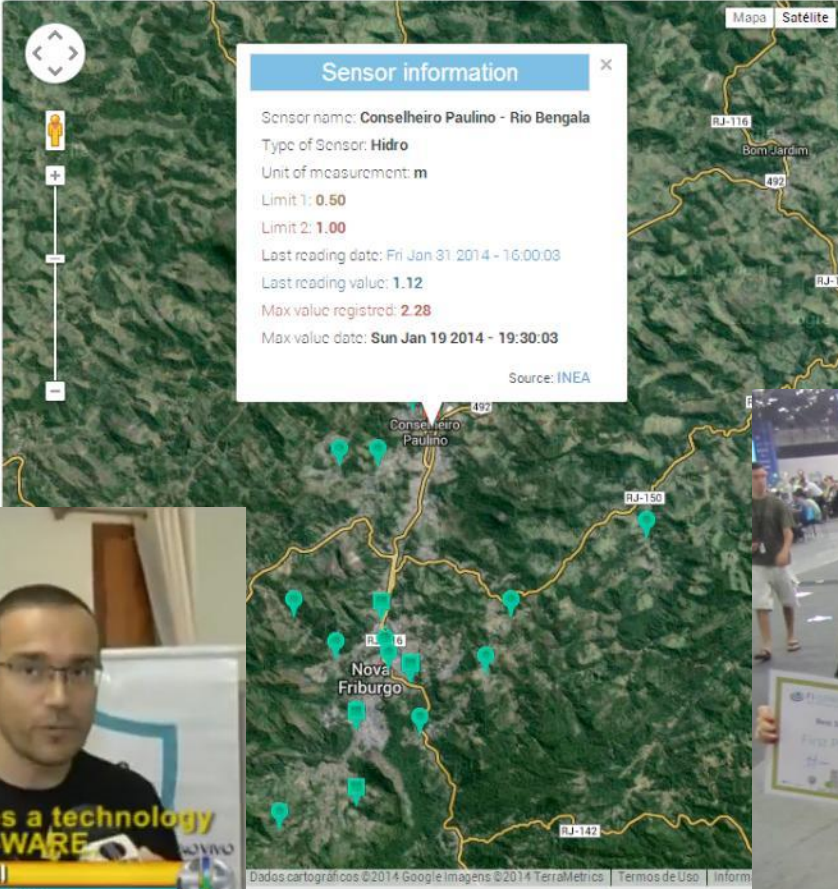
Natural Disasters ▾

**Subcategory**

- All - ▾

Get Info

### Fi-Guadian Sensor Map



#### Sensor information

Sensor name: **Conselheiro Paulino - Rio Bengala**

Type of Sensor: **Hidro**

Unit of measurement: **m**

Limit 1: **0.50**

Limit 2: **1.00**

Last reading date: **Fri Jan 31 2014 - 16:00:03**


Last reading value: **1.12**

Max value registered: **2.28**

Max value date: **Sun Jan 19 2014 - 19:30:03**

Source: INEA

### FI-Guardian Video Player



### Orion Entity Inspector

**Entity Type**

Rain Sensors ▾


**Sensor Location**

FI-Guardian - Rio Bengalas ▾


Get Info

### Fi-Guardian Sensor Graph

Sensor: **Conselheiro Paulino - Rio Bengala**




Limit 1  
Limit 2  
Sensor value(unit: m)



OK, This app uses a technology called FI-WARE

MARCOS MARCONI  
idealizador do projeto



FI-Guardian

Smart Monitor for Adverse Events

Powered by FI-WARE

VM9

Campus Party

# Testimonials

**You**Tube <https://www.youtube.com/user/FIWARE>



Smart App Zity



SociWare



FoodLoop



SmarTaxi



FI-Guardian



Traffic Monitor



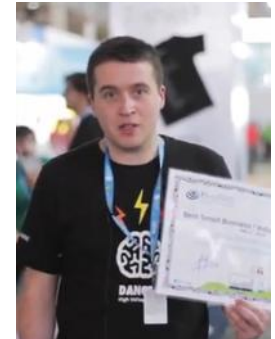
Red.es



Magic Box



Hotel automation



Fonesense



# Future Internet PPP Phase 3

A new Phase

And we really  
mean it!

# Future Internet PPP (2011-2016)

- **High Ambition**

*To place European industry at the centre of the Digital Economy*

- **High Success - Depends on Phase 3**

*"The Future Internet Accelerator"*

*"The launch pad for global success"*

**The ingredients are ready:**

- The technology
- The infrastructure
- The community

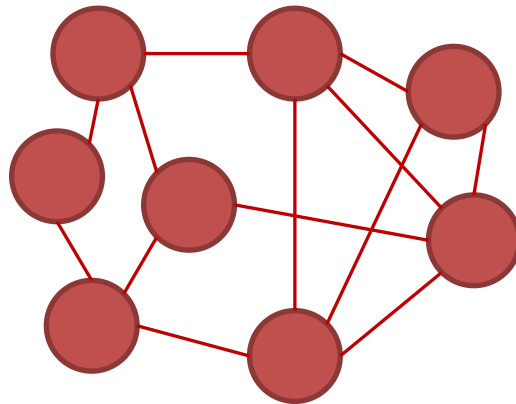
# From technology to market

## Support

FI Business - Fimpact - I3H - FI-Links - CONCORD

A new  
ecosystem  
of accelerators

FI-Accelerator



Market-ready  
Apps / Svs

FI Innovation  
Ecosystem

Open, Standard  
FI Service  
Platform



## Technology platform

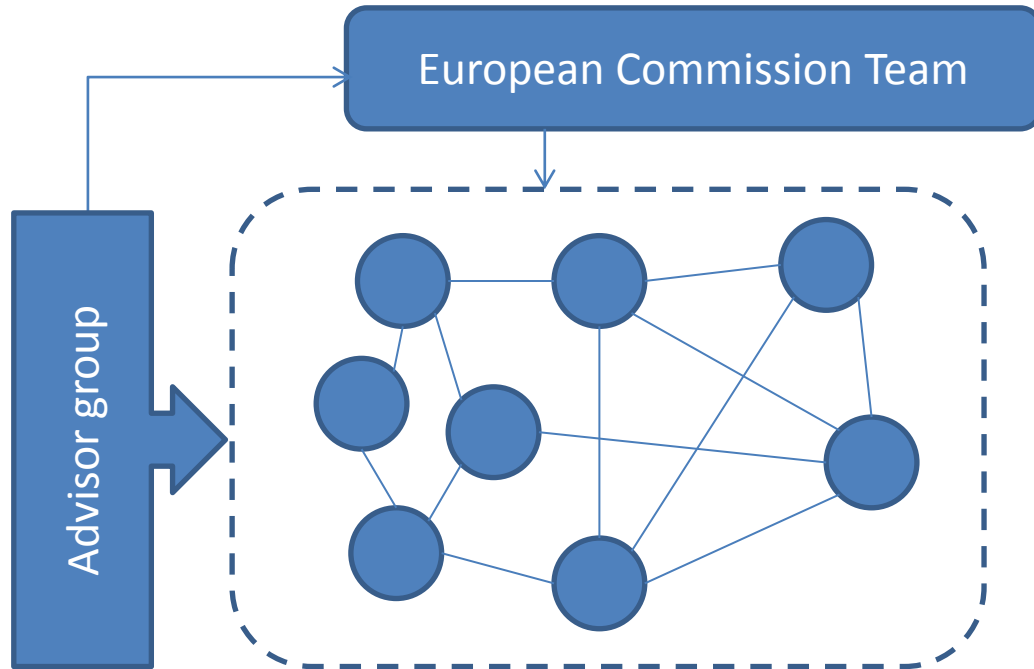
FI-WARE - FI-Lab - FI-Ops - University - XIFI

**FI-Phase 3**

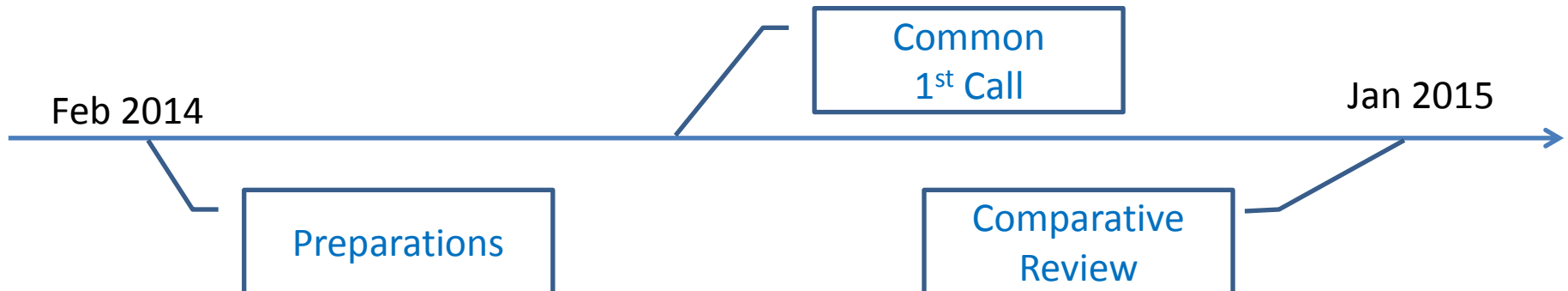
**Outcomes**

**Beyond PPP**

# Phase 3 Management

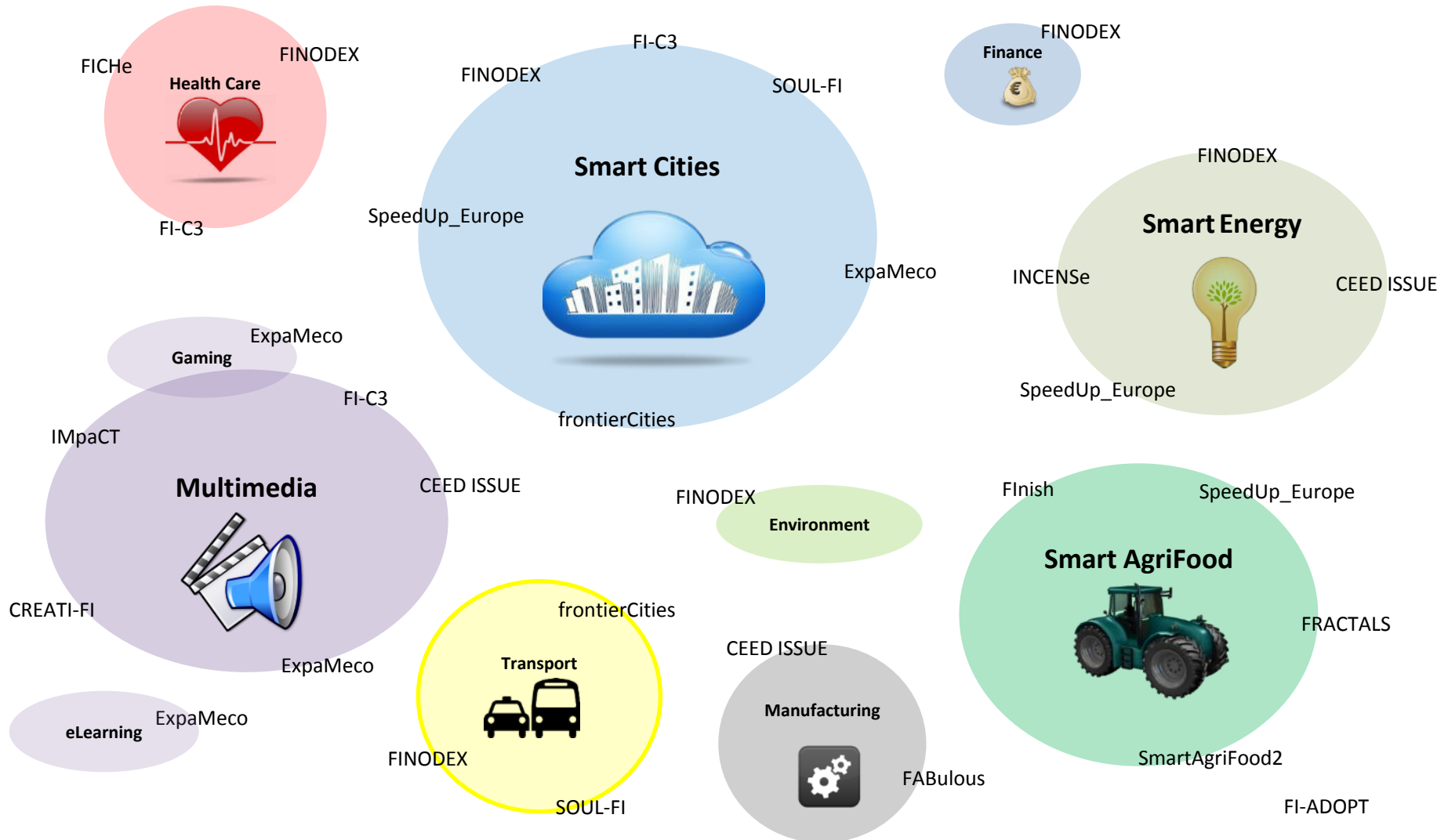


- It works **really** as a programme
- **Monitoring** group
- Coordinated **1<sup>st</sup> call**
- Comparative **common review**
- **Diversity** increases the chance of success
- Ability for **continuous adaption**






# Sectors covered by the accelerators



# FI Accelerators

★ = Country

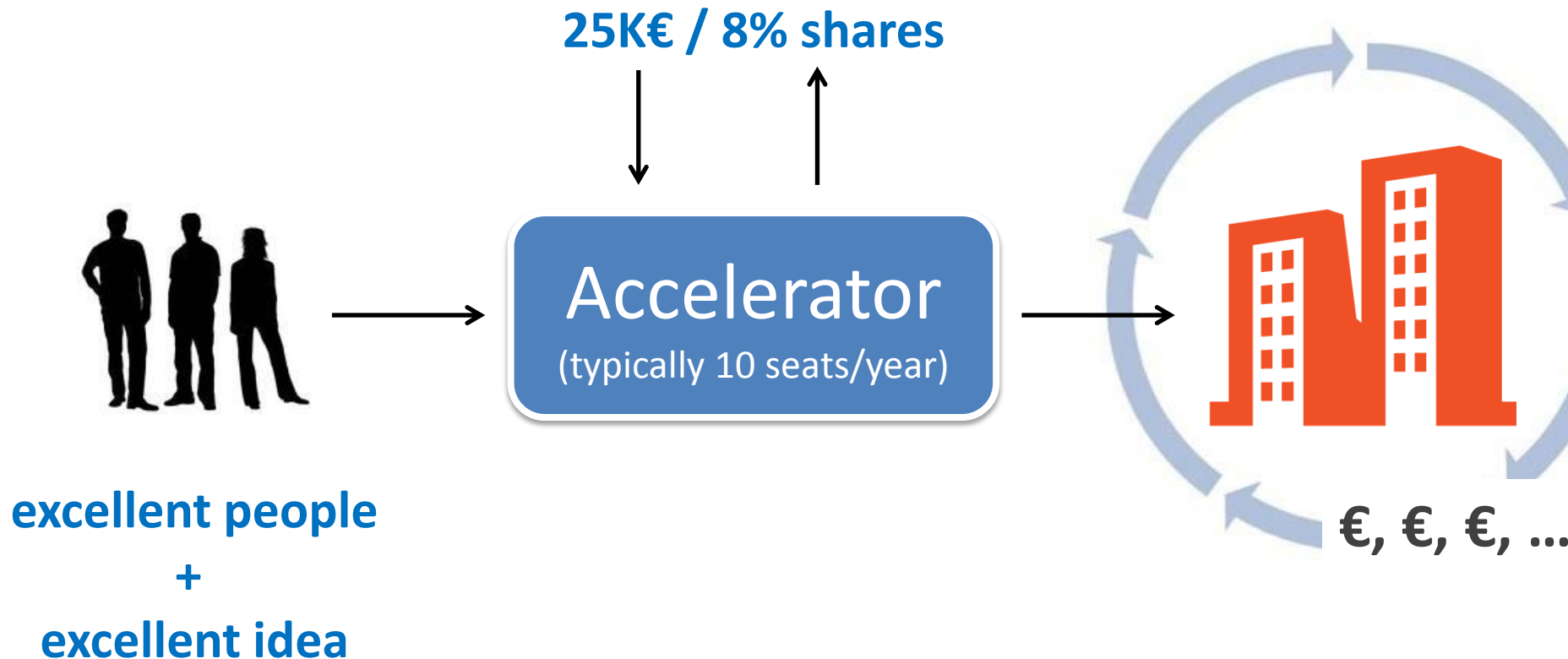
 = City

- 
- A map of Europe showing the locations of 15 countries and 10 cities. The countries are marked with red pins and labeled in their respective languages: Sverige (Sweden), Norge (Norway), Suomi (Finland), Festi (Estonia), Latvija (Latvia), Lietuva (Lithuania), Belgia (Belgium), Deutschland (Germany), Polska (Poland), Česká rep (Czech Rep), Slovensko (Slovakia), Österreich (Austria), Magyarország (Hungary), România (Romania), Hrvatska (Croatia), Srbija (Serbia), Bulgaria (Bulgaria), and Ellás (Greece). The cities are marked with blue stars and labeled: London, Paris, Zürich, München (Munich), Wien (Vienna), Bratislava, Budapest, Warszawa (Warsaw), Kraków, Wrocław, Berlin, Hamburg, Göteborg, Stockholm, Helsinki, Vilnius, and Athens. The map also shows the North Sea, Baltic Sea, Bay of Biscay, and Tyrrhenian Sea.

# FI Accelerators (Example)

PROJECT	DOMAIN	1 <sup>st</sup> CALL		2 <sup>nd</sup> CALL	3 <sup>rd</sup> CALL
		OPEN	CLOSE		
FINODEX	Health Environment Transport Finance Not domain specific	Oct 14	Dec 14	Y	N
SmartAgriFood2	Agriculture	01 Sept 14	30 Nov 14	N	N
SpeedUp_Europe	Agriculture Energy Smart Cities	10 Sept 14	10 Dec 14	Tbc	Tbc
FRACTALS	Agriculture	30 Nov 14	28 Feb 15	N	N
SOUL-FI	Smart Cities .Transport	01 Sept 14 Round A 01 Sept 14 Round B	April 15 Round A August 15 Round B	Y	N
INCENSE	Energy Cleantech	Nov 14	Jan 15	Y	N
FICHe	Health	01 Sept 14	31 Oct 14	N	N
FI-C3	Creative Industry Health Smart territories Media & Content	01 Nov 14	30 Nov 14	Y	Y

# Acceleration: A modern way to build technology companies

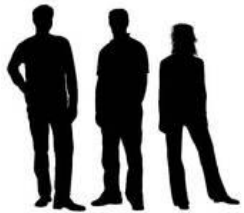




# The Future Internet Accelerators

Up to 150K€ / 0% shares

**sme**

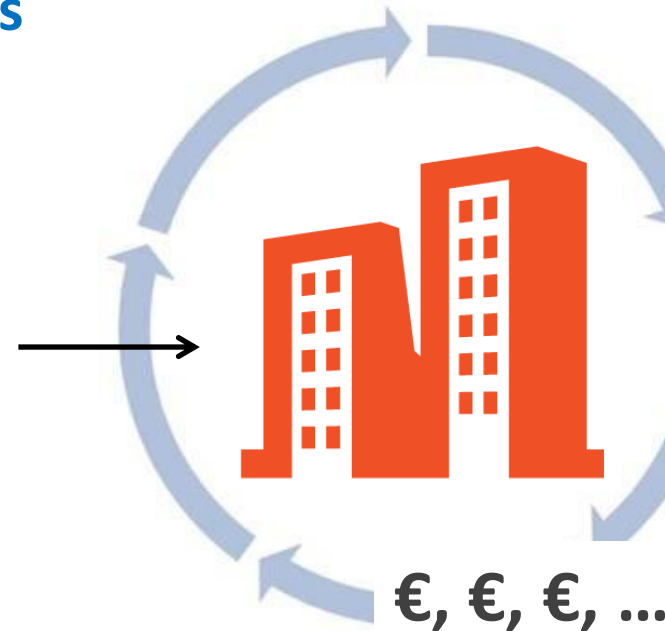


excellent people  
+  
excellent idea

**FI Accelerator**  
(about 1000 seats in 2014)

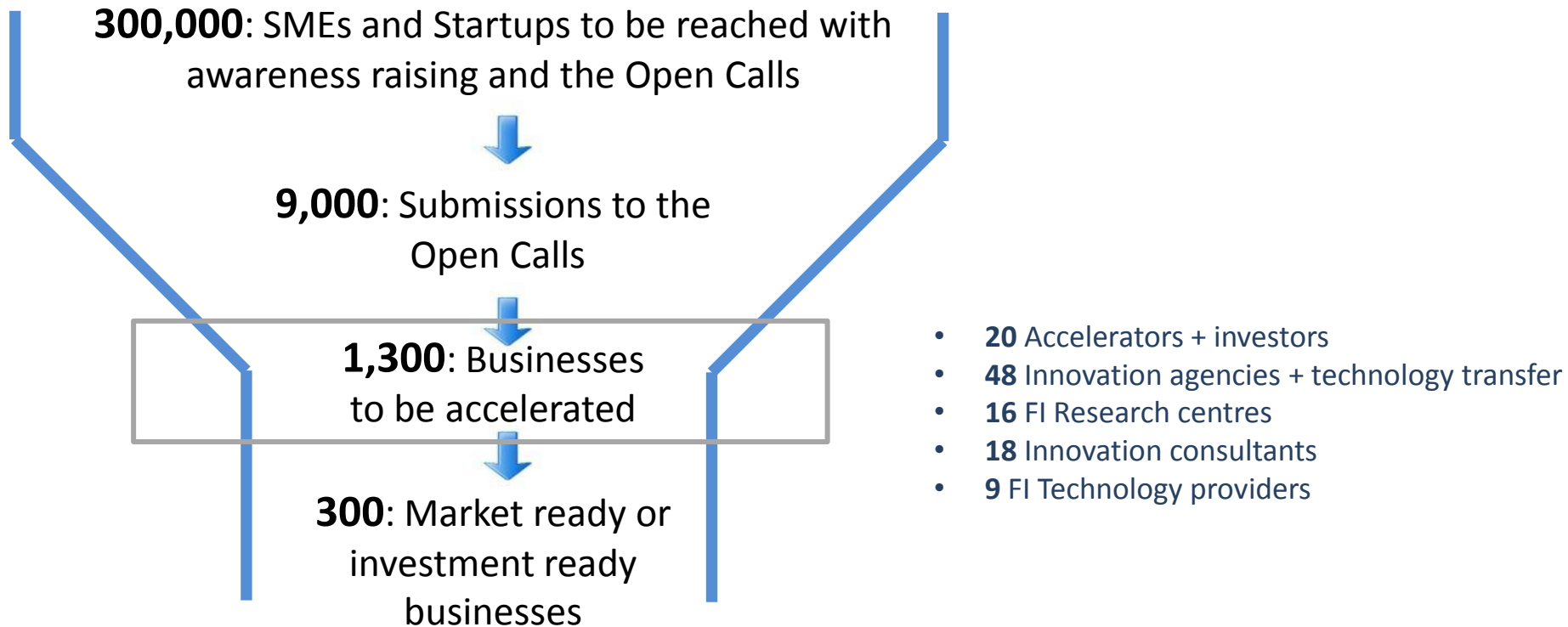


**FI-WARE**  
Open APIs for Open Minds



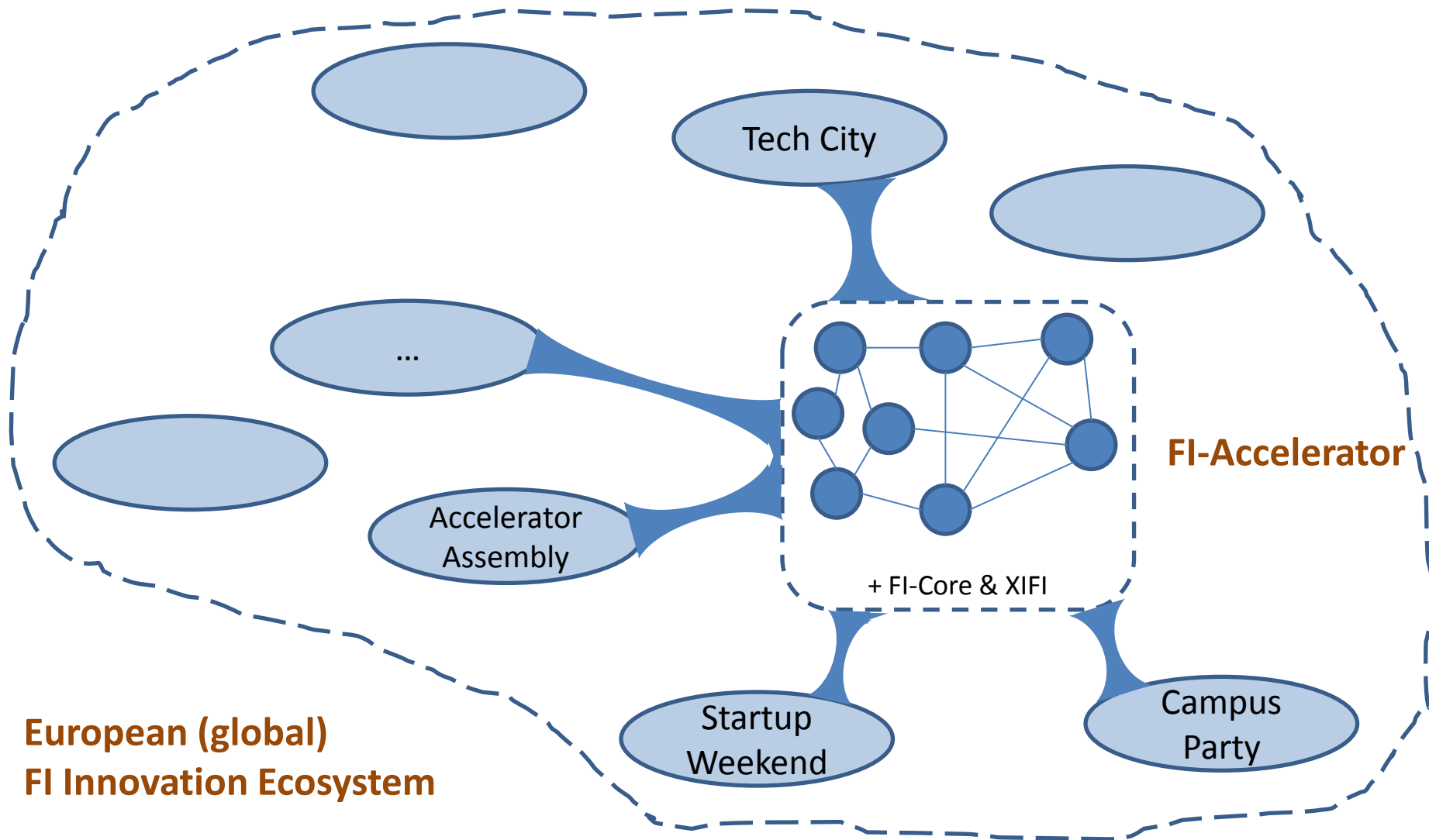
- Potentially hundreds new FI-Ware based products and services
- Potentially hundreds of new companies
- Larger markets (based on standard technology)

# Future Internet Accelerator



*Data provided in the Phase 3 proposals*

# Link & expand the FI-Accelerator



# Why should you participate?

## 16 Future Internet Accelerators:

- With different thematic orientation, geographical locations, funding modalities, process, duration → *You choose!*
- They will *transform your idea into a commercial product* for European/global markets.
  - Provide not just funds but also **mentoring, networking and support.**
  - Open European-wide and global **market opportunities**





IF I WERE YOU

## 1. FI-WARE ... smell the technology

- FI-Lab ... open innovation test bed
- Campus Party Europe, Madrid, 8-13 Sept
- FI-Ware Challenges & Hackathons

## 2. Generate ideas ... what cool stuff could you make with FI-Ware?

- Open data, Smart City,...
- Specific industry sectors like health, energy, manufacturing, creative content, food, logistics, ...

## 3. Summer 2014: Formulate and validate your Idea, technology and people with

- Friends
- Potential investors

## 4. Select accelerator which fits your needs best

- Methodology and process
- Finance
- Co-location

## 5. September 2014



# Future Internet

Public-  
Private  
Partnership

**Offers you:**

- **Funds**
- **New Technology**
- **New markets**

**... and a pan European innovation ecosystem**

**fi-ware.org**