



A New Open Service Platform

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Objectives

- Present  FIWARE
- Create your interest in  FIWARE

Content

- What is  FIWARE ?
- Why  FIWARE ?
- Next steps, references
- Conclusion

FIWARE - An Open Service Platform

(advanced OpenStack-based Cloud + rich library of Generic Enablers)



Why an open service platform is required

- Avoid vendor lock-in:
 - Standard Southbound APIs for sensor providers
 - Standard Northbound APIs offered to applications
 - Portability across platform providers
 - Interoperability of apps on top of different providers
- Larger community of developers (critical mass, economies of scale)
 - True innovation
 - More competition, leading to cost savings
- No single standard is enough
 - Modularity
 - Allow different business models
 - Integration with standard open data platform
 - Non-intrusive (smooth integration with legacies)

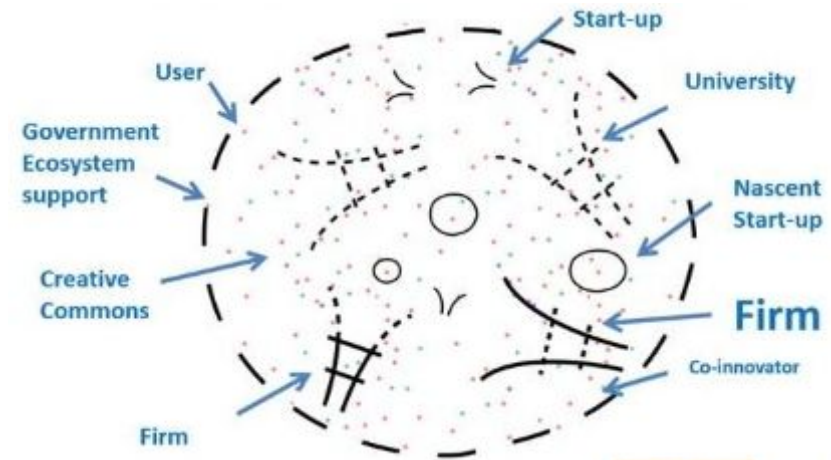


FIWARE - A rich set of platform functions

Cloud		<ul style="list-style-type: none">• Federation of infrastructures (p regions)• Automated GE deployment
Data/Service Delivery		<ul style="list-style-type: none">• Complete Context Management Platform• Integration of Data and Media Content
IoT		<ul style="list-style-type: none">• Easy plug&play of devices using multiple protocols• Automated Measurements/Action \leftrightarrow Context updates
Apps		<ul style="list-style-type: none">• Visualization of data (operation dashboards)• Publication of data sets/services
Web UI		<ul style="list-style-type: none">• Easy incorporation of advanced 3D and AR features• Visual representation of context information
Security		<ul style="list-style-type: none">• Security Monitoring• Built-in Identity/Access/Privacy Management
I2ND		<ul style="list-style-type: none">• Advanced networking (SDN) and middle• Interface to robots



Ecosystem and platform: two tied concepts



*Open Standard
Platform*



*Sustainable Open
Innovation Ecosystem*



Why FIWARE ?

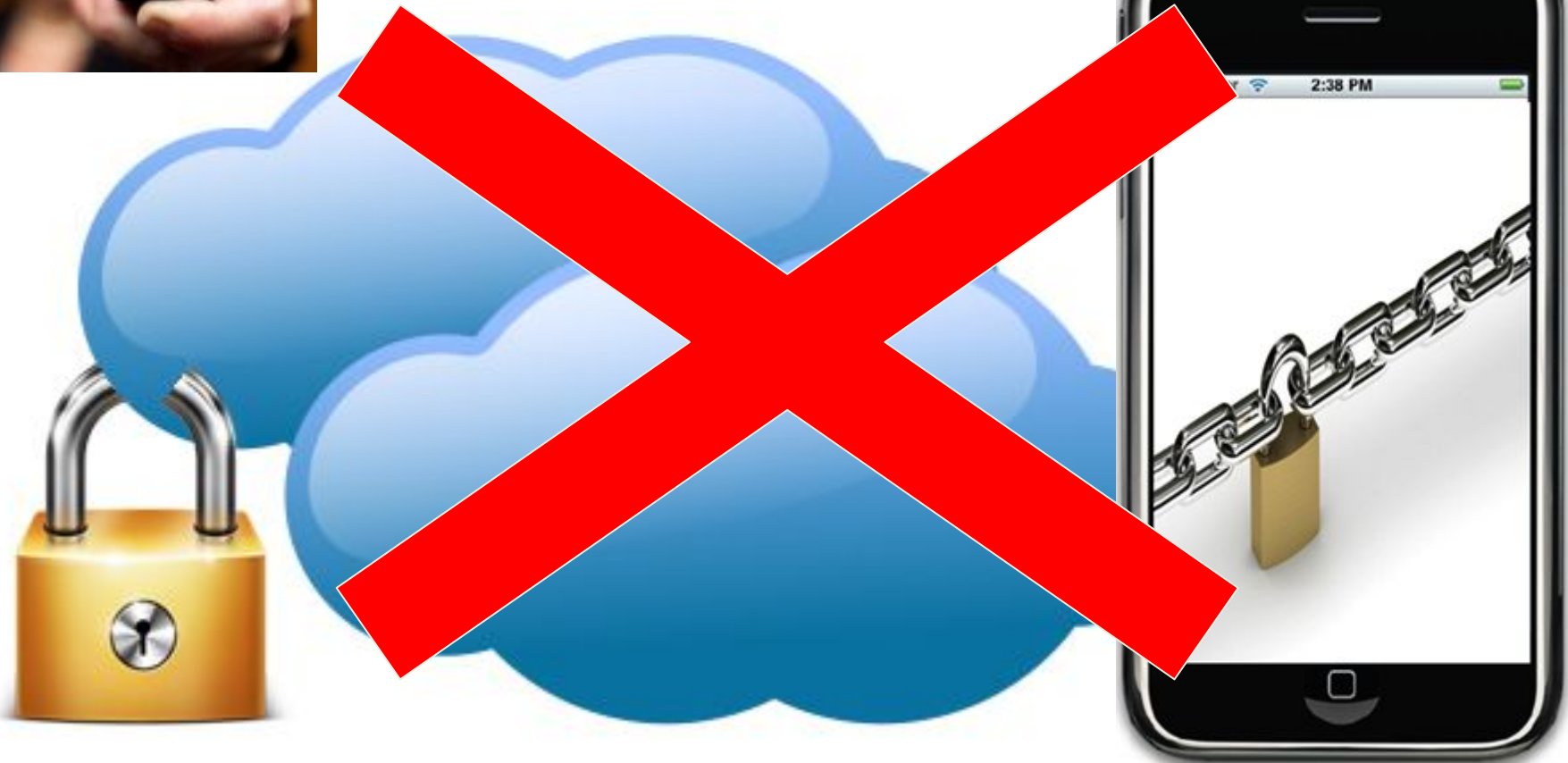
- An Innovative, open and cloud-based infrastructure for cost-effective creation and delivery of Future Internet applications and services at high scale
 - Cloud storage, processing capabilities, service marketplace, big data, network resources, mobility, tools (SDK)...
 - Faster development (time-to-market)
 - Lower costs (incl. flexibility, scalability)
- Solid technology
- Incentives to enter, support



The collage illustrates the FIWARE ecosystem. It includes a city scene with a smartphone overlay, a 'BIG DATA' word cloud, the FIWARE logo with the tagline 'OPEN APIs FOR OPEN MINDS', a collection of colorful app icons, a hand holding a cloud with a lock icon, and a screenshot of the FIWARE Catalogue website. The website screenshot shows the header with 'Home Enablers Tools Forum', 'Login / Register', and 'FI-WARE Catalogue'. The main content area features the text 'Hosting enablers for creation of FUTURE INTERNET APPLICATIONS' and a welcome message. Below this, there are three sections: 'About the Catalogue', 'View the Enablers', and 'Tools', each with a corresponding image and text.

7

Open Source. Avoid vendor lock-in
You have the control



Not only platform, tools...
this is **powered by data!**



Going from clusters to ecosystems

Cross-fertilization between sectors; avoid silos



- Leading to a more powerful platform offering (based on common functionalities; develop once and reuse as much as you can)
- Then, translating the sectorial knowledge into domain-specific platforms



FIWARE Strategy: 2015-2016



- Accelerate the technology



- Smart Cities and vertical sectors



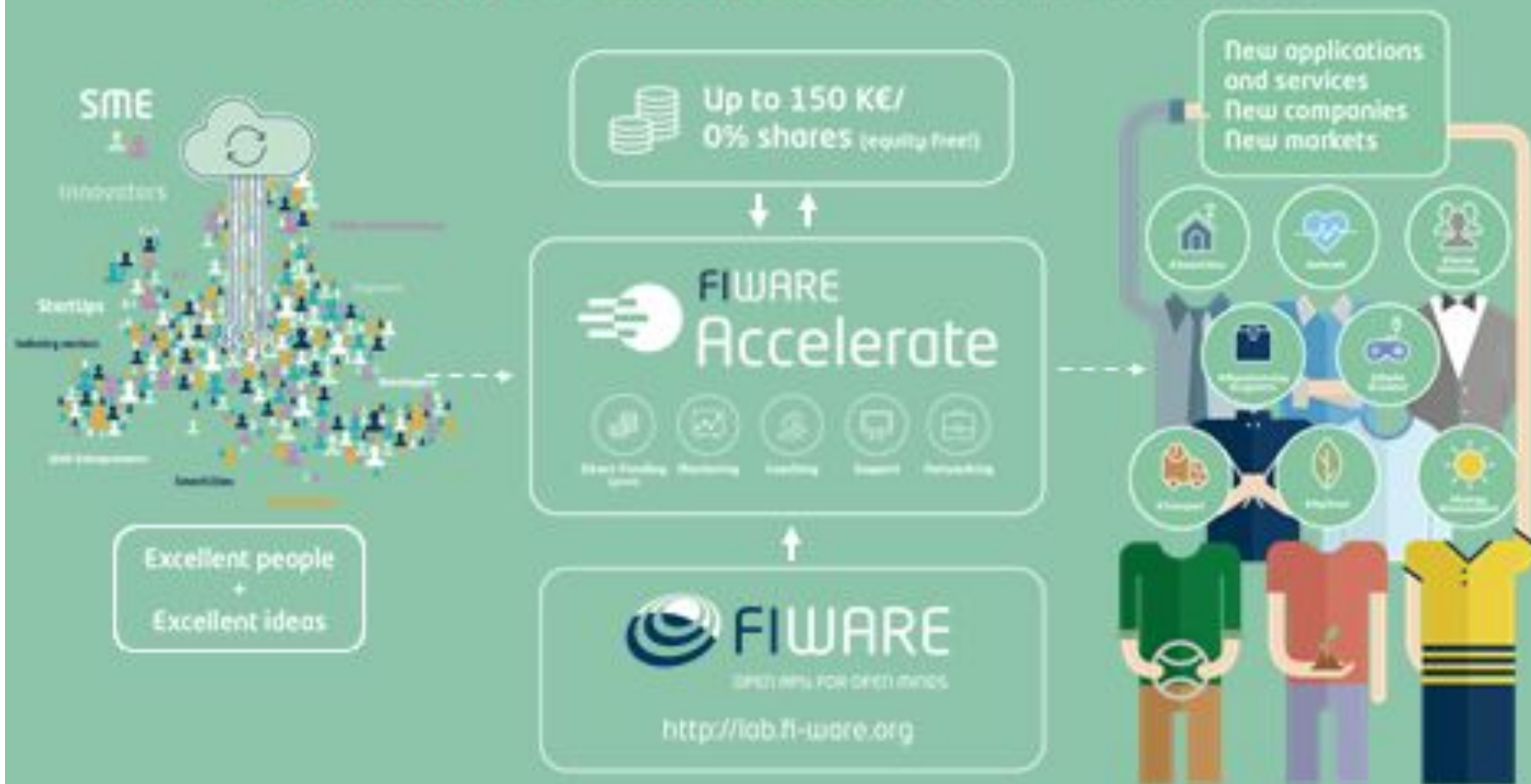
- Internationalisation – FIWARE going global



- Industrial Commitment

FIWARE ACCELERATOR PROGRAMME

Supporting Web entrepreneurs, startups and SMEs



Open in Sept 2014 – www.fiware.org



YOU

80

MILLION EUROS

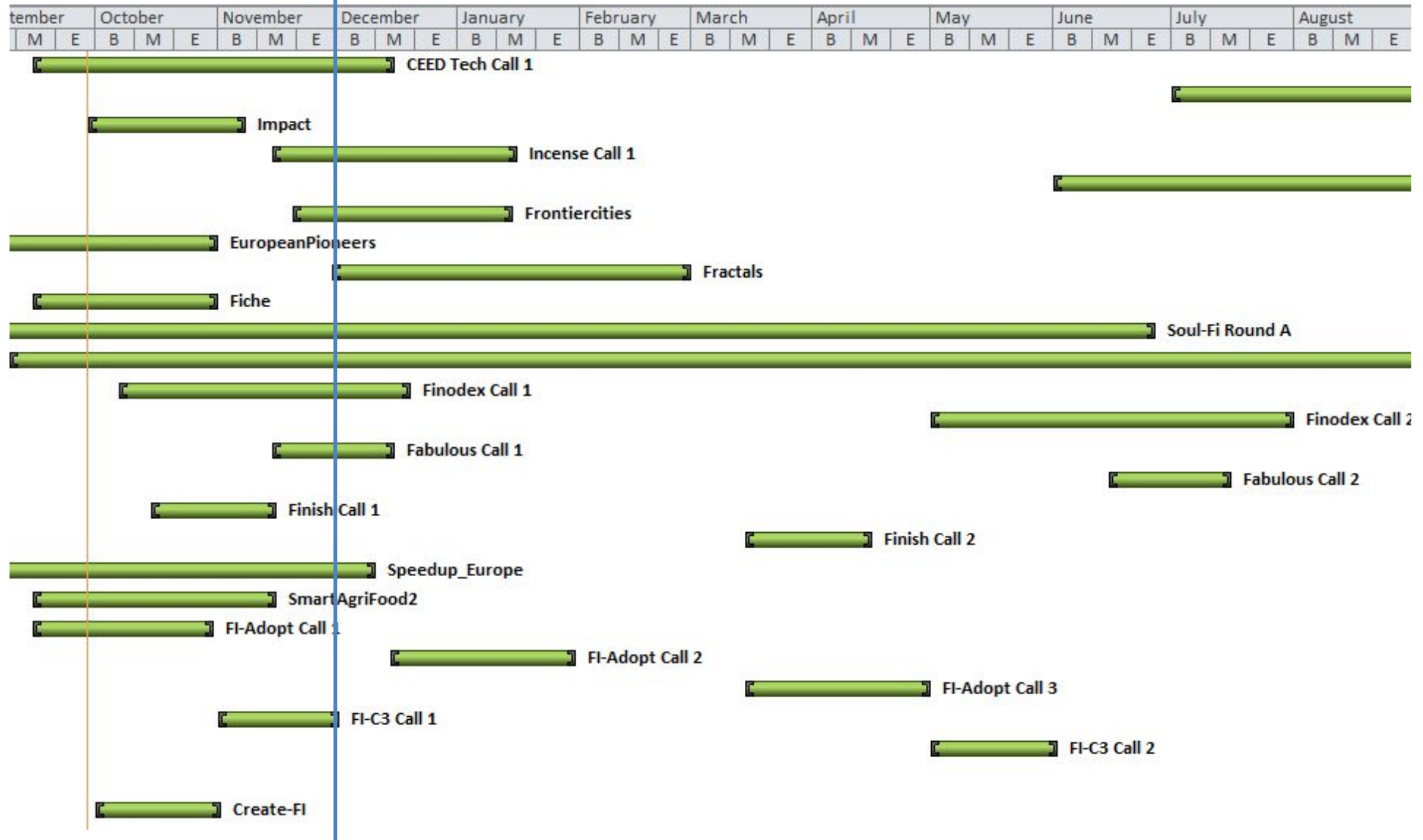
WEB ENTREPRENEURS

STARTUPS

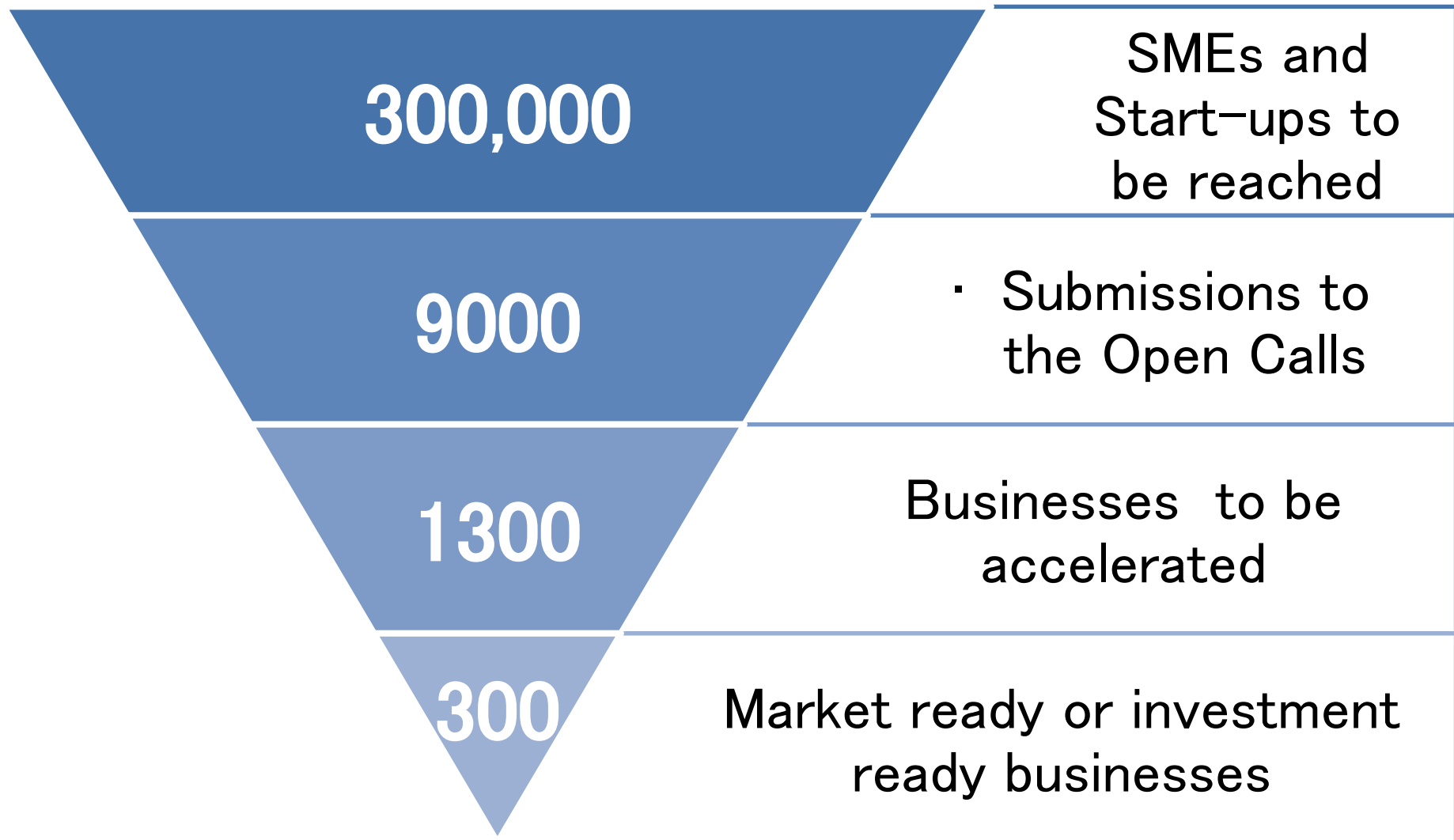
SMEs

NO
W

Call roadmap



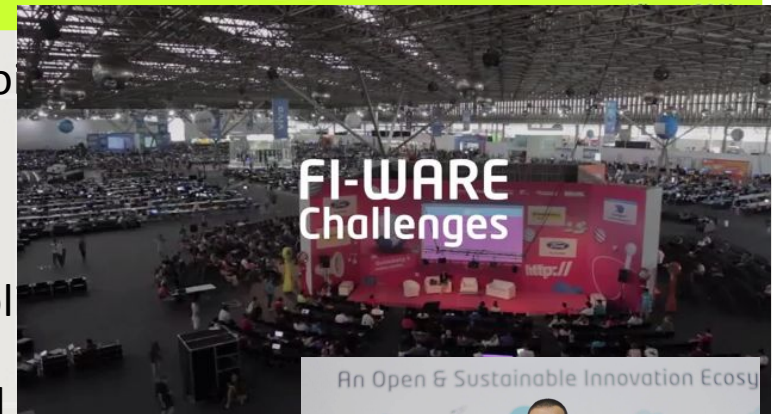
Future Internet Accelerator



Emerging ecosystem

- Cities already connecting to FI-Lab
 - Italy: Trento, Torino, Roma
 - Spain: Valencia, Sevilla, Málaga, Santander, Logroño, Lleida, Vigo, Sabadell, ...
 - Finland: Espoo, Helsinki
 - Netherlands: Amsterdam
 - Portugal: Lisbon, Agueda
 - Discussion with cities in other countries ongoing
- FI-WARE Challenge on Smart Cities
 - Launched end of October 2013
 - 300+ teams (individuals, startups, SMEs) applied to the challenge
 - 20 teams run the final in Campus Party Brazil 2014
 - https://www.youtube.com/watch?v=49LBVn_vDKw

FI-WARE
challenges you to develop
the best APP
for Smart Cities
and Smart Business

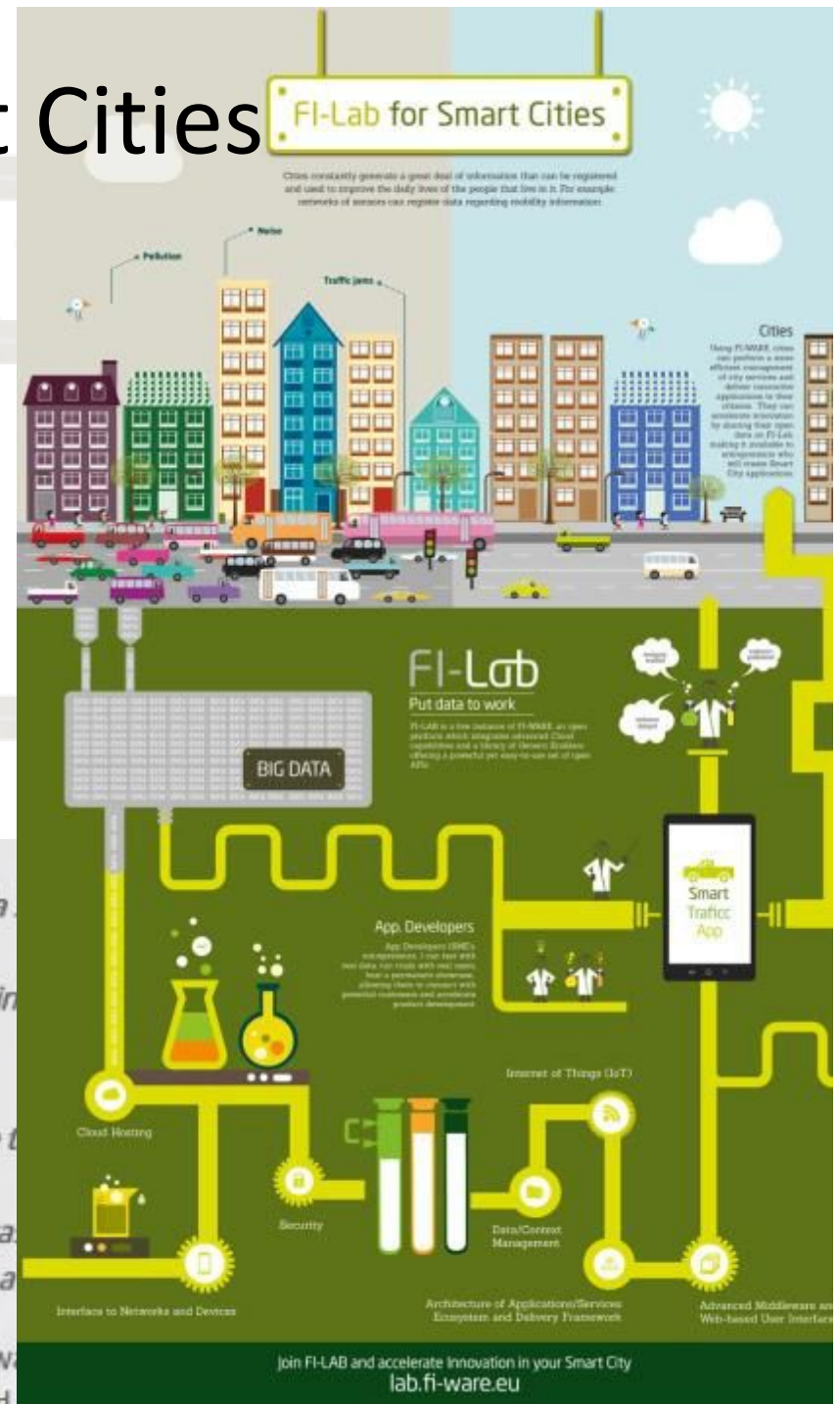


FIWARE running Smart Cities

- **Cities opening data via FIWARE**
 - Italy: Trento, Torino, Roma
 - Spain: Valencia, Sevilla, Málaga, Santander, Logroño, Lleida, Vigo, Sabadell, ...
 - Finland: Espoo, Helsinki
 - Netherlands: Amsterdam
 - Portugal: Lisbon, Agueda
- **Valencia using FIWARE solutions**
- **Smart City challenges**

- *Valencia City Council has announced that it has awarded the Valencia Smart City Platform tender to Telefónica*
- *Valencia will be the first Spanish city to centralise all of its municipal information through a smart city technological solution.*
- *Solution is based on the European FI-WARE standard*
- *The base of the software will consist of 350 sensors that will manage the services of the city*
- *Traffic, street lighting, gardens, local police, pollution, cleaning and waste and weather services will be constantly monitored and connected to a central system*

22 May 2014, Valencia: Valencia City Council has announced that it has awarded the Valencia Smart City Platform tender to Telefónica. Telefónica has designed



Internationalisation

- Mexico

- FIWARE launch in October
- EU-MX collaboration

- Brazil

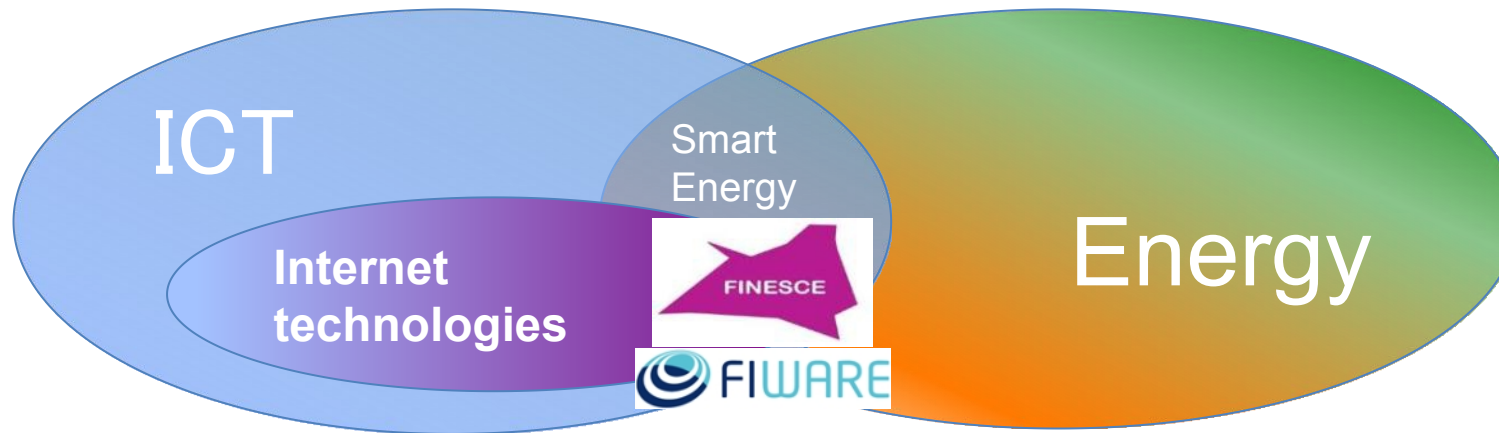
- Two nodes being deployed
- FIWARE launch in November



FIWARE for Smart Energy

FUTURE
INTERNET
SMART
UTILITY
SERVICES

FINESCE



FIWARE of Energy:

- Enable creation of innovative value added services based on availability of rich data on energy needs and consumption patterns
- Promote energy efficiency
- Sustainable Smart Cities
- Consumers as producers
- Electric vehicles (as consumers and storage)

Benefits of using FIWARE:

- Shorter time to market!
- Easy access for new partners
- Scalability of applications
- Lower costs for application development

Key partners:

Ericsson, Alcatel-Lucent, Alstom, ESB (Electricity Supply Board), E.ON

Success Stories? Get inspiration!



Building Streaming Media Applications with FI-WAR...

41 visualizaciones Hace 1 mes



Creating Interactive 3D Applications and Shared...

20 visualizaciones Hace 1 mes



The FI-Content use case project - Social and...

14 visualizaciones Hace 1 mes



Naevatec (Kurento Generic Enabler) - Interview with...

23 visualizaciones Hace 1 mes



Magic Box Interview with Javier Herrero at CeBIT...

27 visualizaciones Hace 1 mes



Thorsten Sandfuchs (SAP) interview at CeBIT 2014

22 visualizaciones Hace 1 mes



FI-WARE Business Framework by Thorsten...

24 visualizaciones Hace 1 mes



Connecting to the Internet of Things (IoT) with FI...

23 visualizaciones Hace 1 mes



Connecting to the Internet of Things (IoT) with FI...

12 visualizaciones Hace 1 mes



FI-WARE and FI-Content in the EU Future Internet...

33 visualizaciones Hace 1 mes



Magic Box & FI-WARE, Javier Herrero at CeBIT...

15 visualizaciones Hace 1 mes



CeBIT Future Talks 2014

15 visualizaciones Hace 1 mes



SmartTaxi: The Value for a Developer - FI-WARE in...

119 visualizaciones Hace 2 meses



FI-LAB: A guide to the most exciting Future Internet...

133 visualizaciones Hace 2 meses



FI-OPS: access from everywhere in Europe by...

20 visualizaciones Hace 2 meses

Conclusions

FIWARE – A new service platform

- **Open, multivendor**
- **Advanced technology** (Cloud Computing, Big Data, IoT)
- **and an Innovation ecosystem**

➔ We invite you to have a look



fiware.org

Join us!