



From FIWARE to H2020 and beyond!

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Ragnar Bergström
European Commission - DG CONNECT
NET Innovation

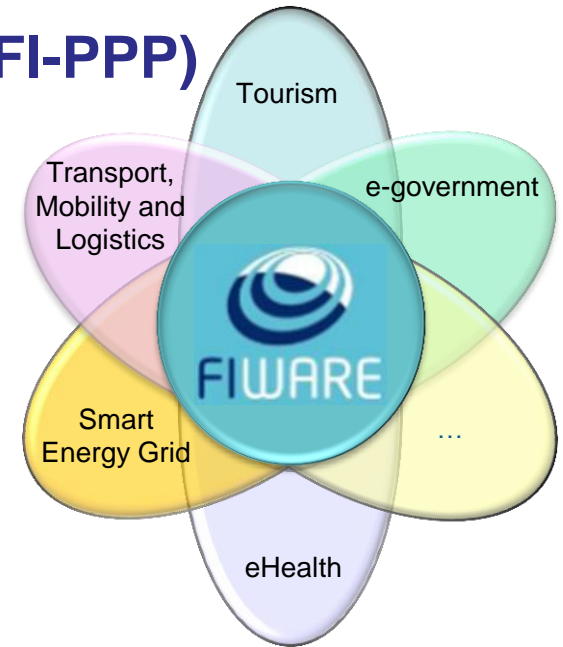
The image features a wooden Scrabble rack in the center, filled with dark brown tiles that spell out the word 'AMBITION' in gold capital letters. Each letter has a small number below it: A (1), M (3), B (3), I (1), T (1), I (1), O (1), N (1). The rack is set against a background of scattered Scrabble tiles on a light-colored surface. The tiles in the background are out of focus, showing various letters like M, C, B, Q, S, U, S, G, L, T, N, D, and H.

European innovators at the centre of the European Digital Economy

From Future Internet-PPP to FIWARE: an Open Service Platform

Future Internet Public-Private Partnership (FI-PPP)

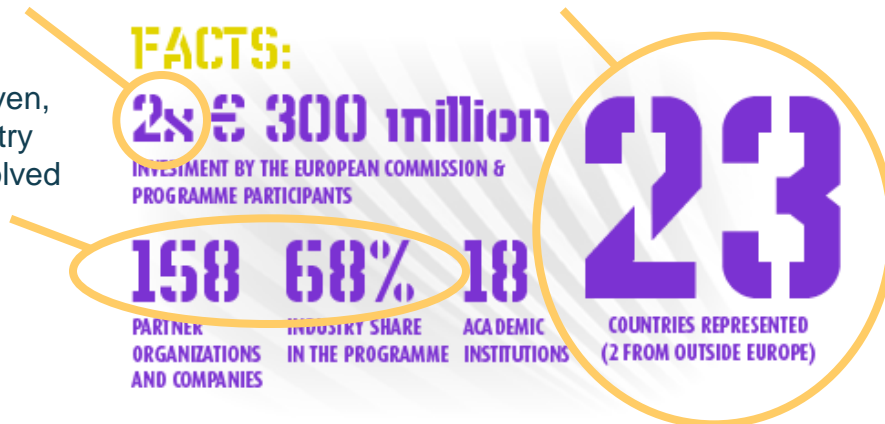
- ◆ *Goal: capture opportunities derived from the new wave of digitalization of life and businesses*
- ◆ *Strategy: build a sustainable innovation ecosystem around open standards supporting development of smart applications in multiple sectors*
- ◆ *Born local (Europe) but with global ambition*



EC provides funding:

Pan-european dimension

Industry driven, major industry players involved



Open APIs for Open Minds



FIWARE: where are we?

technology focus

innovation focus

- FIWARE technology foundation
- 8 Use-Cases from different domains
- Infrastructure repository XIPI

Development
Phase 1

Large Scale
Trials – Phase2

- FI-Lab and Hackathons
- FI-Lab extension Europe-wide (17)
- 5 Large Scale Trials in different domains and domains specific platforms

- 16 FI-Accelerators
- More than 1,000 SMEs & web entrepreneurs develop apps & services
- Sustainability
- Market Visibility

Market Take-up
– Phase 3

- 60 Generic Enablers
- >100 Specific Enablers





Today

Phase 2: Large Scale Trials



Phase 2

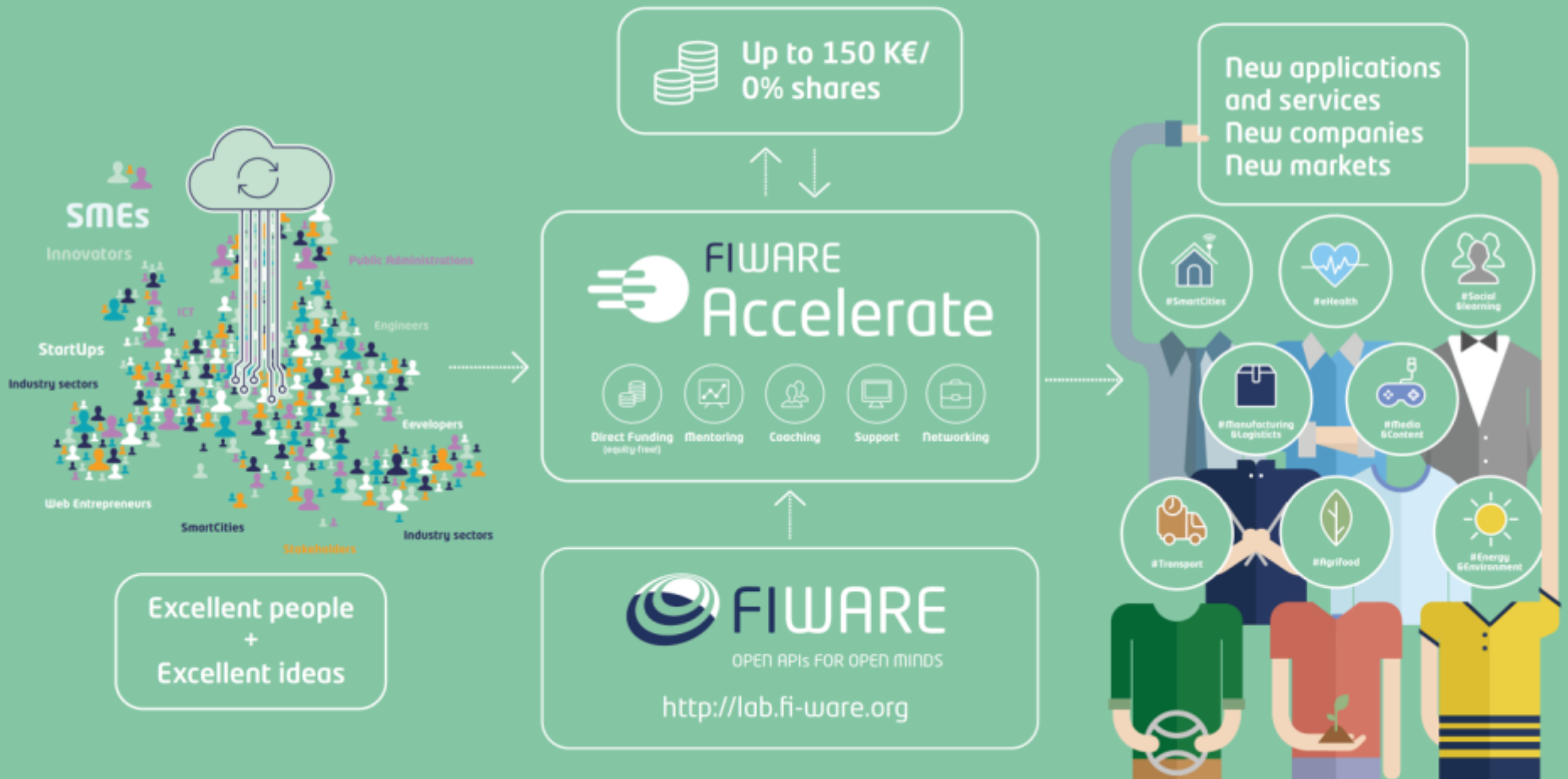
Use case trial sites

-  FI-Space
-  FI-CONTENT 2
-  FINESCE
-  FI-STAR
-  FITMAN
-  XIFI



FIWARE ACCELERATION PROGRAMME

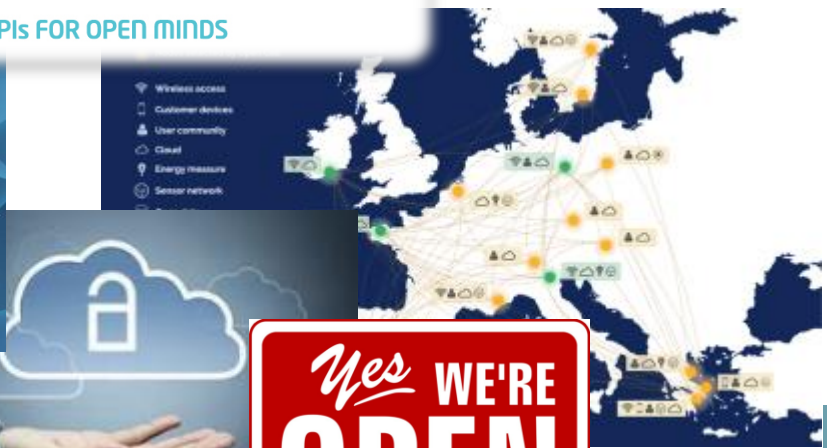
Supporting Web entrepreneurs and SMEs



Open in Sept 2014: <http://bit.ly/FI-accelerators>

FIWARE - An Open Service Platform

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

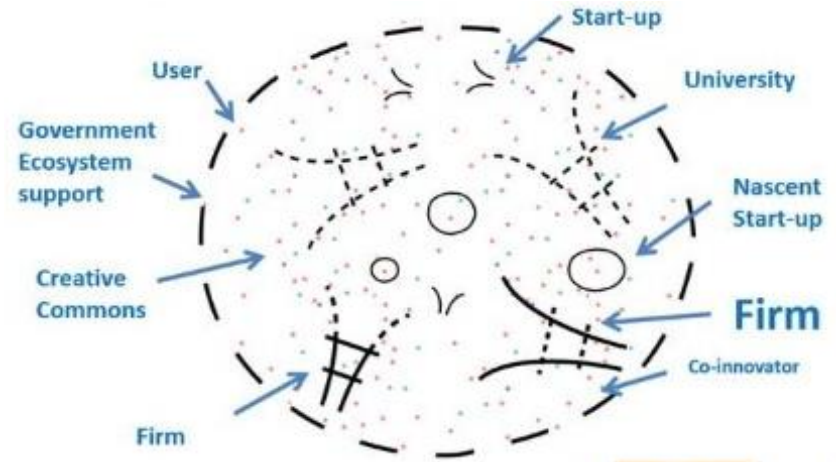


Yes WE'RE
OPEN

Driven by
implementation

Sustainability
ensured

FIWARE - Ecosystem and platform: 2 tied concepts



Open Service Platform



- 42 generic software components
- Open specs, open source ref implementation
- IoT, big and open data, cloud computing,...



Sustainable Open Innovation Ecosystem



- 1000 startups and SMEs
- Large industry
- 2500+ developers
- 800+ mentors & coaches
- 50+ cities

FIWARE REFERENCE ARCHITECTURE

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Set of components (Generic Enablers) that eases the creation of Smart Internet Applications by providing APIs that are public and royalty free, supported by open source reference implementations. They offer reusable and common source reference implementations. They are available and ready to use in the FIWARE Catalogue.



WHAT DOES FIWARE OFFER?

2 FIWARE Lab

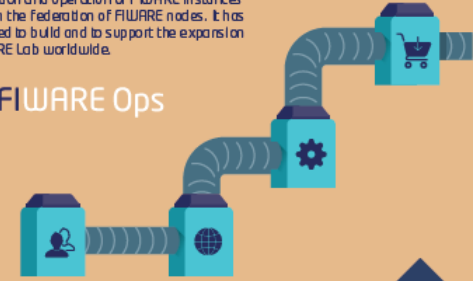


The FIWARE Lab is an example of FIWARE Instance available as a free experimentation environment where developers can build their applications using available FIWARE GEI Instances, or dedicated Instances they can deploy on their own. It not only allows them to experiment with FIWARE technologies, but test and showcase their applications with real data and users, making it easier to draw the attention of potential customers and investors.



3 FIWARE Operations

FIWARE Ops is the suite of tools that will ease the creation and operation of FIWARE Instances based on the Federation of FIWARE nodes. It has been used to build and to support the expansion of FIWARE Lab worldwide.



COACHING AND MENTORING

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The FIWARE Accelerator Programme, co-funded by the European Commission, provides mentoring and distributes a total amount of 80 million euros among the most innovative and SMEs projects with a higher potential.



But FIWARE is only the first step to the future of your project, we need you to join us and be part of the new digital revolution that is coming!

Welcome to FIWARE
Welcome to progress

4 FIWARE Academy

The FIWARE eLearning Platform is a good place to start. Here you will find **webcasts, tutorials and other training material** about FIWARE Generic Enablers.



7 FIWARE Mundus

Paving the path to a Global Ecosystem

With the growth of the FIWARE ecosystem, corporation opportunities increasingly arise all around the globe, as well as the need to share the knowledge of FIWARE. FIWARE Mundus aims to facilitate the growth of a global ecosystem, by mobilizing public makers and innovation initiatives in EU regions and countries outside Europe, where the uptake of Future Internet technologies can rapidly occur and create impact on local markets. Current leads include a dozen of EU and International regions including Mexico, Chile, Brazil, US, Canada, and some African countries.



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FIWARE INNOVATION HUBS

To encourage the growth of European digital economy, FIWARE enables European business hubs to enrich their services and to accelerate the creation of new Internet-based business. The starting point is the initial network of EIT ICT Labs nodes. New Hubs have been selected to expand the reach of FIWARE technologies, so that as many companies as possible can have an easy first contact with FIWARE and take full advantage of it.



5 CITIES AS ENGINES OF INNOVATION

Making a city become "smart" means the organic adoption and further development of a common set of standard APIs, data models and open data platforms which will ultimately fuel city-driven innovation and transform cities into hearts of economic growth and enablers of sustainable well-being of citizens. Thanks to the FIWARE open standard platform and the sustainable ecosystem around FIWARE Lab, cities can make their Open Data available to cities, communities and developers worldwide for free experimentation based on open licenses.

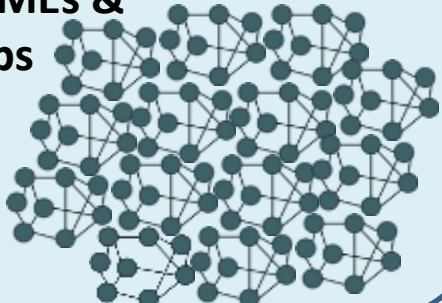


FIWARE Innovation Ecosystem beyond 2015

FIWARE Open Source community

10,000 SW developers worked with FIWARE

1,000 SMEs & Start-ups



2-300 Market ready Apps / Svs

Industry offer

Providing a SC market for developers

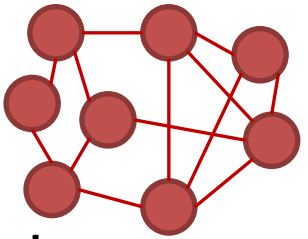
FIWARE Smart Cities community (OASC)

Commercial users/ industry sectors



Challenges & hackathons
Campus Party

Network of Accelerators & Innovation hubs



FIWARE Mundus

FIWARE : - Commercial
- Open Source

FIWARE Foundation

FIWARE as standard

EC: WP 2016-17
FIWARE follow-up

Member States
- National/regional initiatives,
- Promotion (SC, energy, etc.),
- Seek industry support,
- Require FIWARE standard

Private sector: additional funders (VCs, ...)

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*

Conclusions

- FIWARE: a unique Open Service Platform with a rapidly growing Innovation Ecosystem
- Strong encouragement to explore:
 - the relevance for your organisation
 - current and upcoming opportunities



--- For more information ---

www.fiware.org
@Fiware 

Phase 1 Use Case Projects

ENVIROFI



Environment
(ENVIROFI)

Finest
FUTURE LOGISTICS



Logistics
(Finest)



Safety
(SafeCity)



Agriculture
(SmartAgrifood)



Traffic and Mobility
(Instant Mobility)



OUTSMART



Smart city
(OUTSMART)



Content
(FI-CONTENT)



Energy
(FINSENY)



- Usage area requirements
 - Generic Enablers vs
 - Specific Enablers
- Conceptual prototypes