FI-WARE and FI-LAB: Making use of FI PPP Core Platform Enablers for European Smart City Applications

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http://www.fi-ppp.eu
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# FI-WARE, FI-Lab and the FI Public Private Partnership

To place Europe in the best position to capture new opportunities in the Future Internet, derived from digitalization of economy sectors

- Provide Generic Enablers

- Something you can use in different ways for your « own »platform

- Common part to break the silo**s**

- A sandbox to test and use Generic Enablers

- Cloud facilities distributed through Europe (5+12 data centers)

- What you get: free Virtual Machines (5) + 10Gb + real data from Smart Cities

Domain specific platforms = FI-WARE + specific enablers

Domain specific enablers

FI-WARE **GEs**
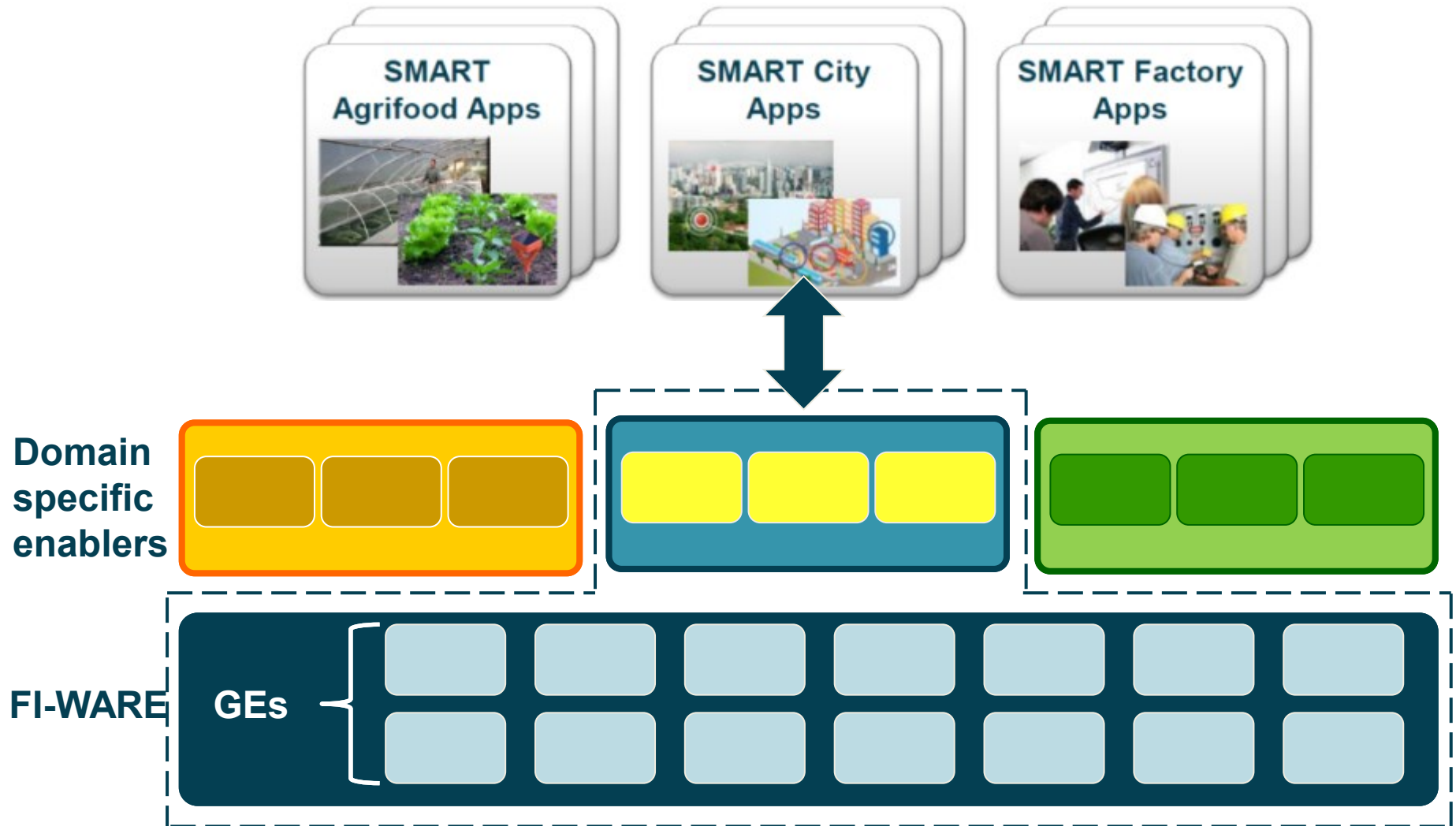
FI-LAB: going beyond technology, the "meeting point" where a new Open Innovation ecosystem will be boosted

Application sponsors (business, cities, etc)

- Connect to entrepreneurs
- Put their data at work
- Visibility, promotion
- Costs saving
- Better service to customers
- Corporate Reputation

Entrepreneurs, Developers

- Ability to test with real data
- Ability to run trials with real users
- Visibility, promotion
- Hosting of permanent showcase
- Connection to potential customers
- Acceleration of product development

FI-Lab

FI-WARE Technology Providers

- Added value to just the technology
- Connecting to entrepreneurs: Revenue-sharing opportunities

- 4,2 M€ promotion campaign
  - Campus Party events
  - Startup Weekend events
  - Chambers of Commerce
  - 870 K€ in prizes
- 100 M€ of funding devoted to entrepreneurs in phase 3 of the FI-PPP

FUTURE INTERNET PPP

FI-WARE

Cities are where daily life and businesses actually happen …

And that's why Smart Cities become so strategic in paving the way for innovation and ultimately boosting productivity and growth…

FI-WARE: Targeting cities' needs

What	How
Rich web-based User Experience	Advanced UI Enablers
Connect apps to the physical world	IoT-M2M Enablers
Manage open data at large scale and transform it into knowledge	Data/Context Enablers
Benefit from open innovation (crowd-sourcing, apps composition)	Integration and Composition Enablers
Reach target users, monetize	Business & Delivery Framework (revenue-share, cross-selling, …)
Ensuring Privacy, Security and Trust	Security Enablers
Take the most of infrastructures while keeping costs lower and under control	Advanced Cloud Enablers
access from everywhere, adapt to devices	Enablers easing interface to Network and Devices

Built-in APIs & tools

FUTURE INTERNET PPP

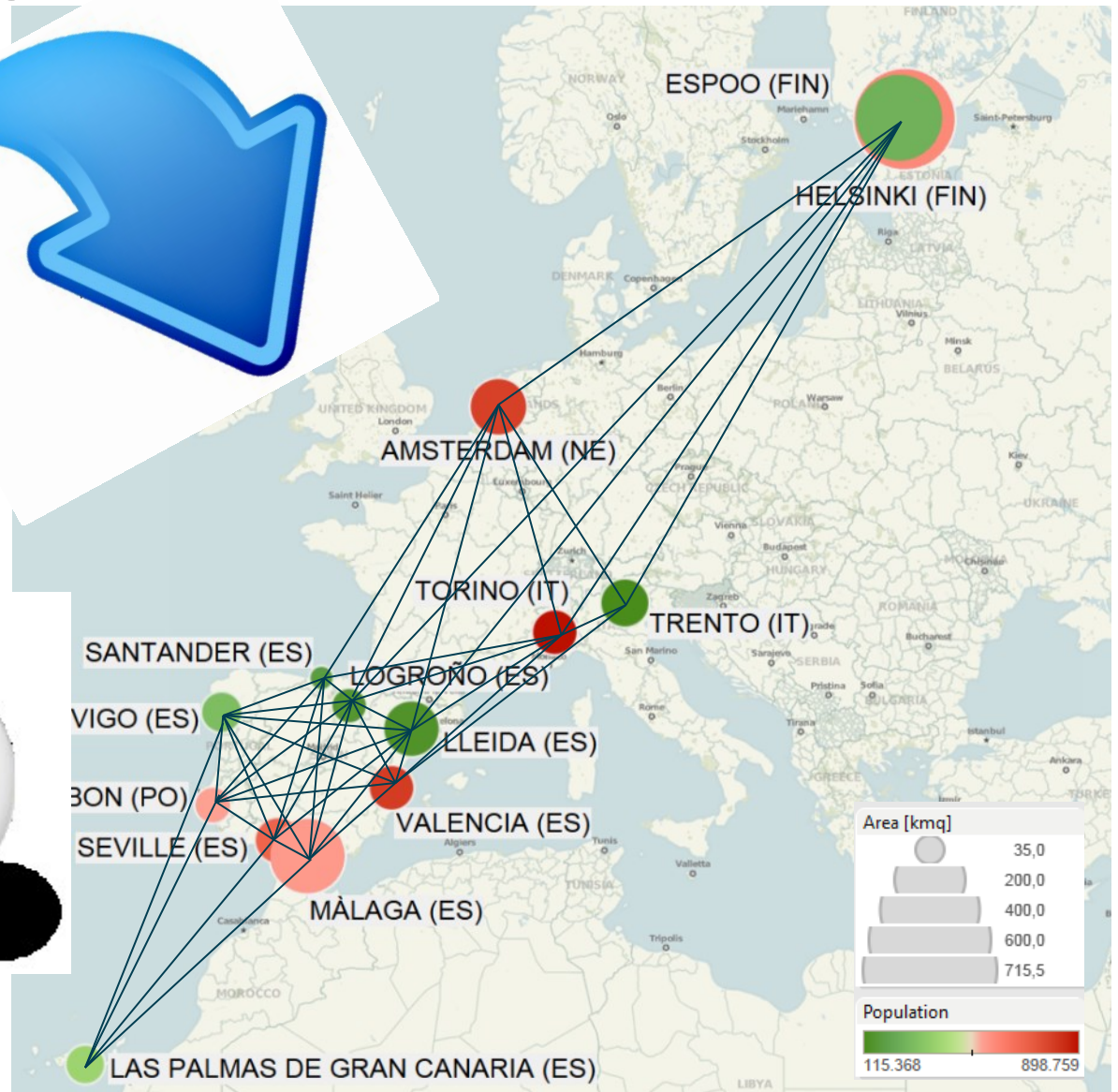FI-WARE

FI-Lab for Smart Cities

- **Neelie Kroes at Campus Party Europe in London (full speech here):** *"Smart cities are a great example … They create platforms, and use them, making open data and applications available – to citizens, to developers, to innovators, to come up with yet more ideas … and this is where initiatives like the FI-LAB come in. Led by industry, this is a major investment in generic technology."*

- **Cities connecting to FI-LAB** putting their data at work

- **Involvement of Smart Cities in FI-WARE**

- **Challenge to engage developers in building applications about smart cities**

Cities connecting to FIlab

ESPOO (FIN)

HELSINKI (FIN)

AMSTERDAM (NE)

TORINO (IT)

TRENTO (IT)

SANTANDER (ES)

LOGROÑO (ES)

VIGO (ES)

LLEIDA (ES)

BON (PO)

VALENCIA (ES)

SEVILLE (ES)

MÀLAGA (ES)

Area [kmq]

35,0
200,0
400,0
600,0
715,5

Population

115.368   898.759

LAS PALMAS DE GRAN CANARIA (ES)

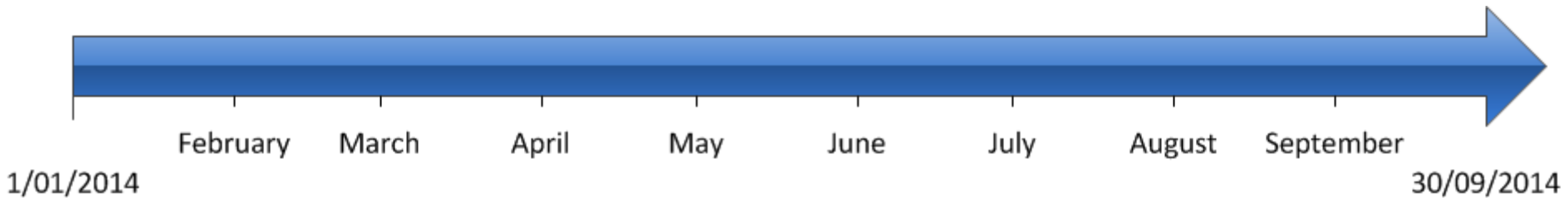FUTURE INTERNET PPP

FI-WARE
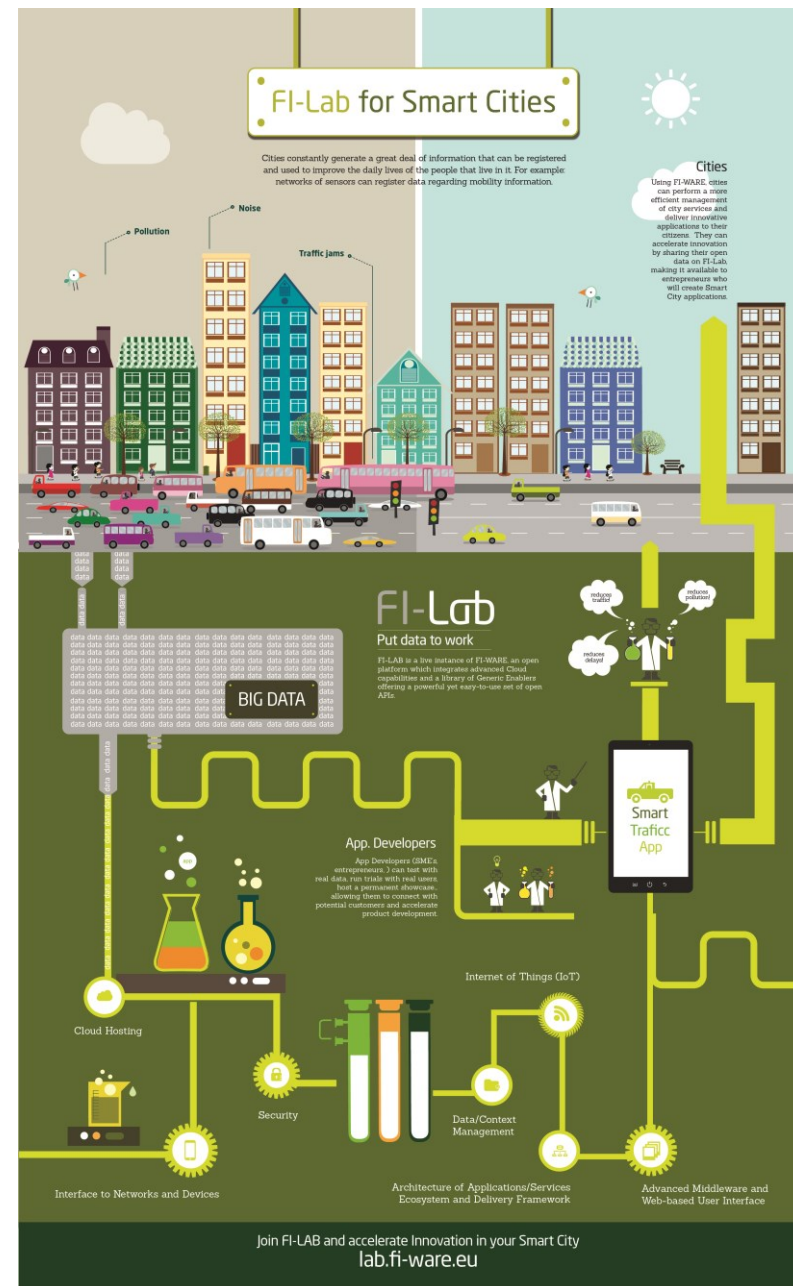
Torino Smart City

Smile
- Mobility
- Inclusion
- Life & Health
- Energy
- Integration

Action #21: Torino's Video Surveillance System

Torino Smart City – a work in progress

February · March · April · May · June · July · August · September

1/01/2014 · 30/09/2014

Dataset selection

Upload on Fi-Lab

Citizens' calls to the contact centre

Proxy for:
- Perceived Safety
- Social participation

Mock-Up:
informative dashboard and alerting system to show possible applications

FUTURE INTERNET PPP

FI-WARE

FI-Lab Torino and other smart city projects

Smart Cities projects

FI-Lab

Apps Services

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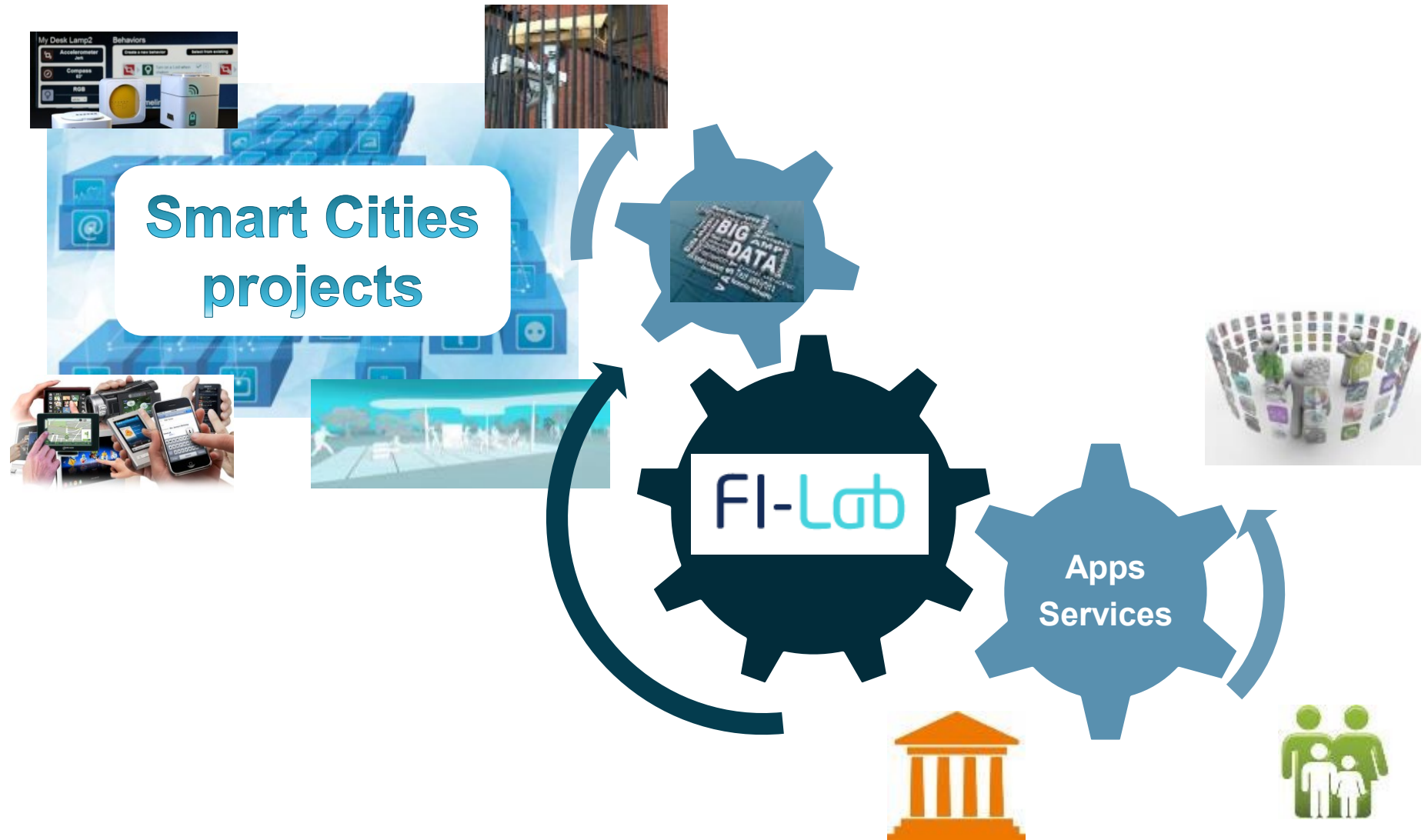
FI-WARE

Do you need more information about…

… FI-WARE, FI-Lab and the Generic Enablers?
… opportunities for SMEs in FI-PPP phase 3?

Feel free to contact us!

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Thanks !

http://fi-ppp.eu

http://fi-ware.eu

http://lab.fi-ware.eu

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