



European Platforms Initiative

Innovative Platform Technologies & Collaboration

8 June 2017

IoT Week

Geneva, Switzerland

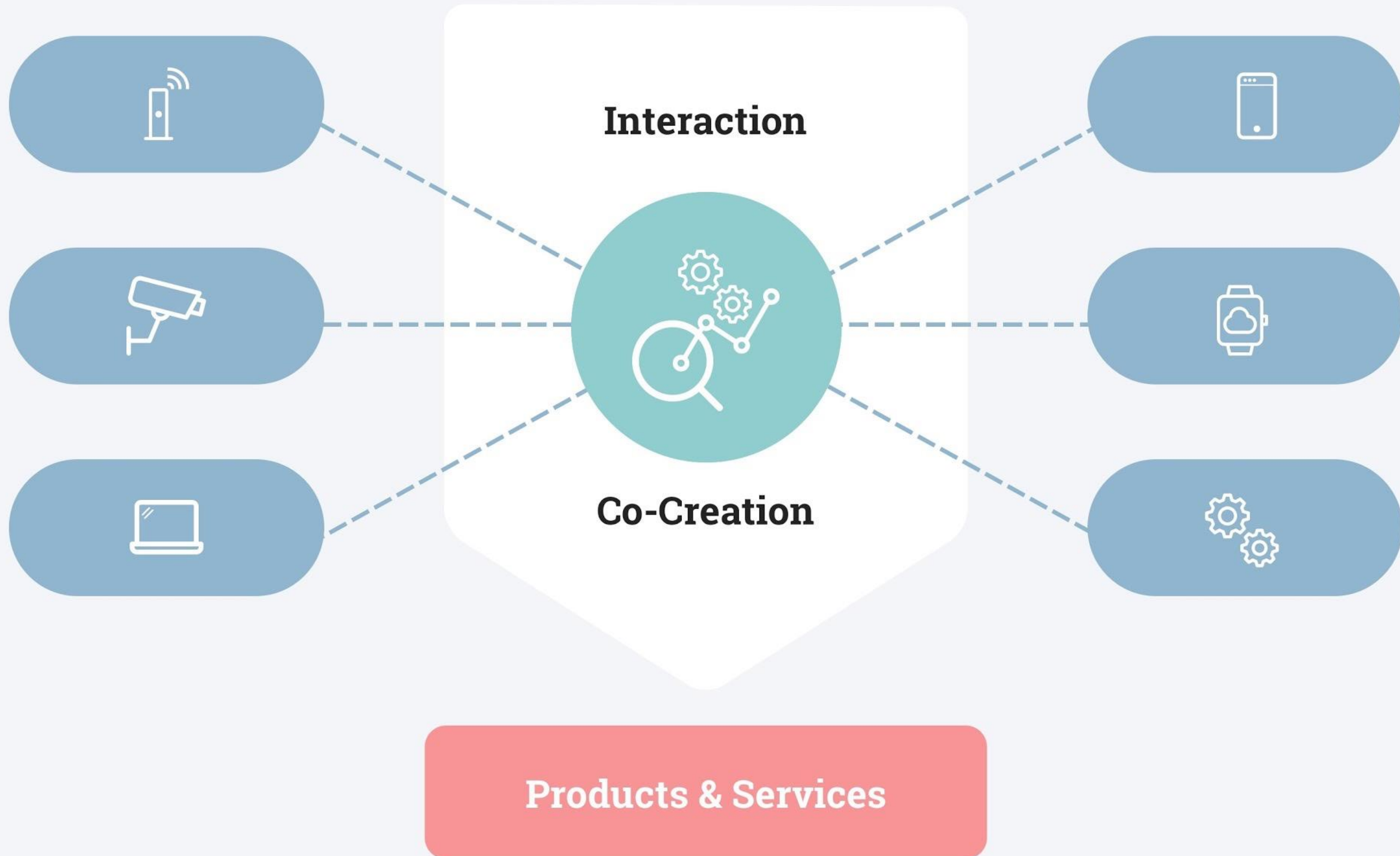
IoT Platforms are key for scalable IoT Applications & Services

- IoT Platforms connect the real and virtual worlds
- Connecting people with systems and objects.
- Non-existent segment few years ago
- Complex & ever-changing landscape

\$ 1 billion

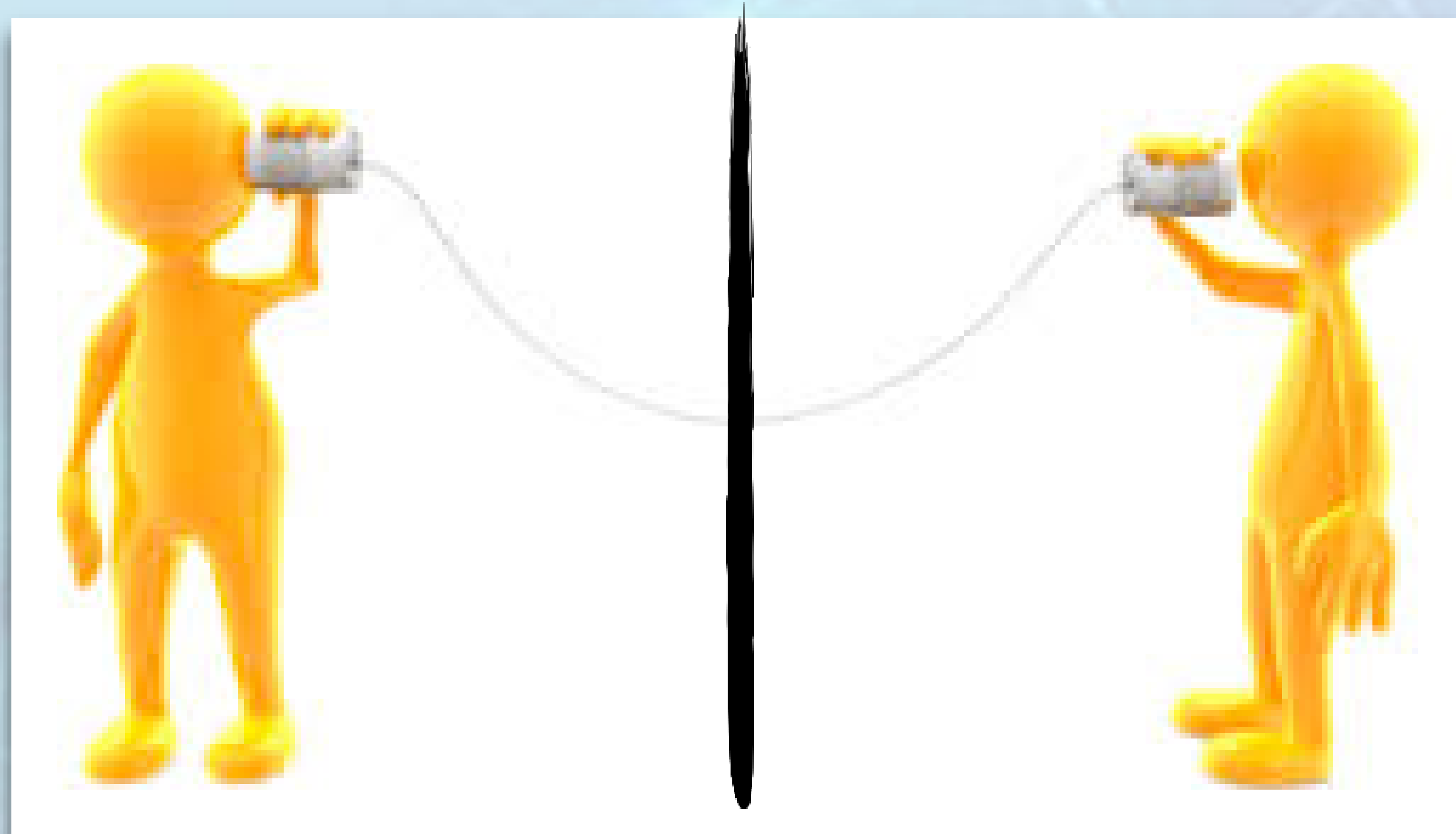
IoT Platforms Market(2019)

IoT Platforms help organizing an increasingly connected world



Real value of IoT Platforms come from data and connected services

The Challenge: There are 700+ IoT Platforms on the market!



Interoperability is key to the success of IoT platforms.

IoT-EPI strives for interoperability among IoT Platforms



7 Innovative Projects addressing Platform Interoperability

€ 50 m

Total EU Funding

7

IoT Platform Tech Projects

120+

Partner Organizations

€ 5.5 m

Funding for Startups

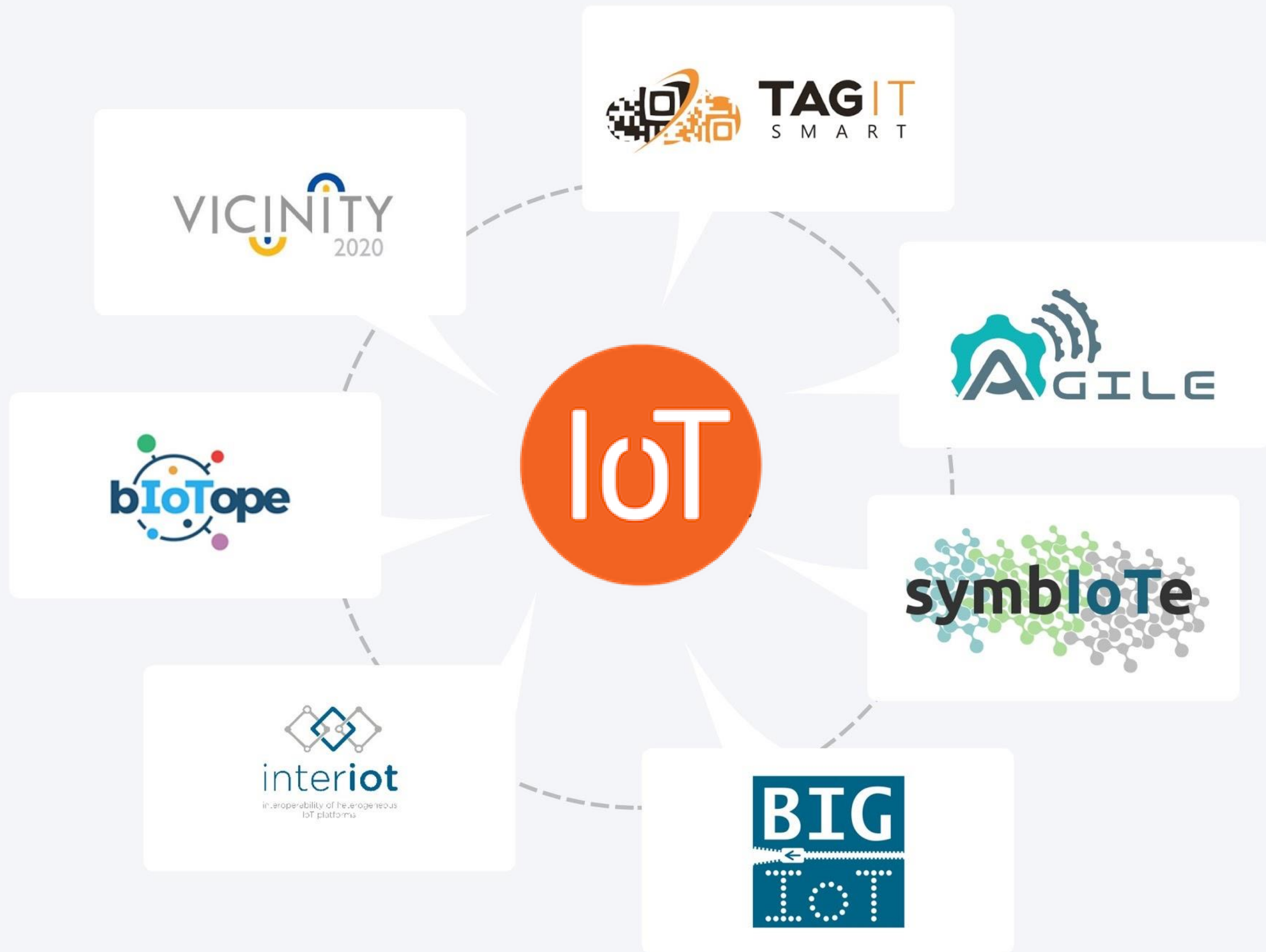
SIEMENS

 **Fraunhofer**



FUJITSU





Getting Involved

SUPPORT & FUNDING FOR EUROPEAN IOT PROJECTS

12 OPEN
CALLS

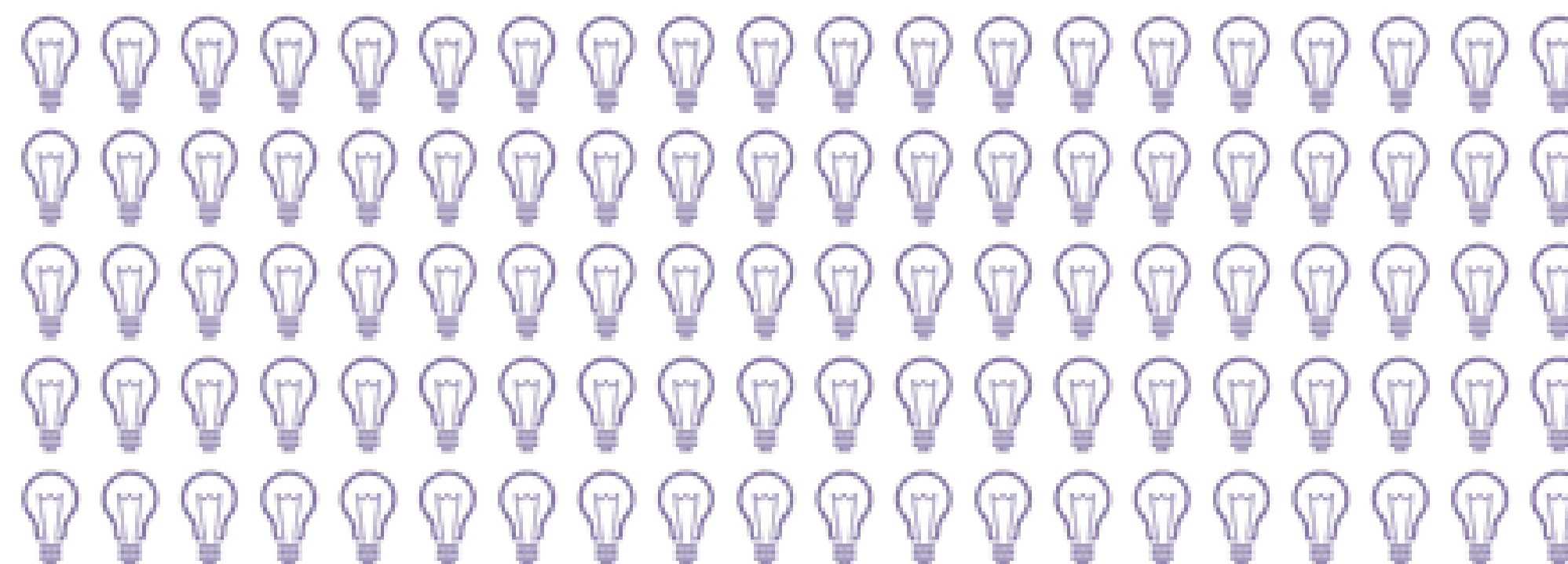
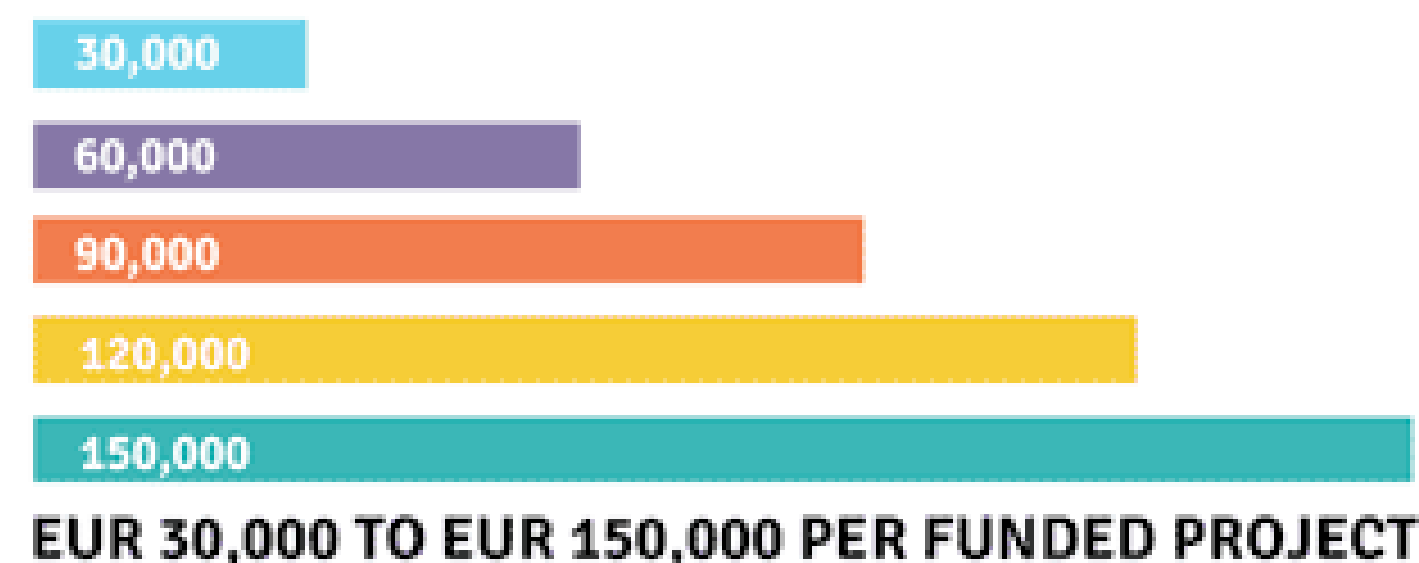


FROM
10.2016
TILL
12.2018

ACCESS TO
IOT-EPI
NETWORK IN
EU COUNTRIES



5.5 MILLION
EURO
FUNDING



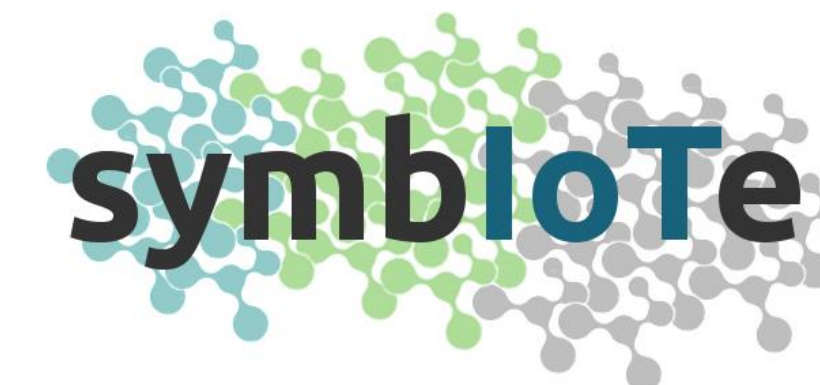
100

SMES, STARTUPS, COMPANIES,
RESEARCH CENTERS OR
UNIVERSITIES WILL GET FUNDED

10+ INDUSTRIES OF INTEREST

Success Stories on Collaboration





symbloTe

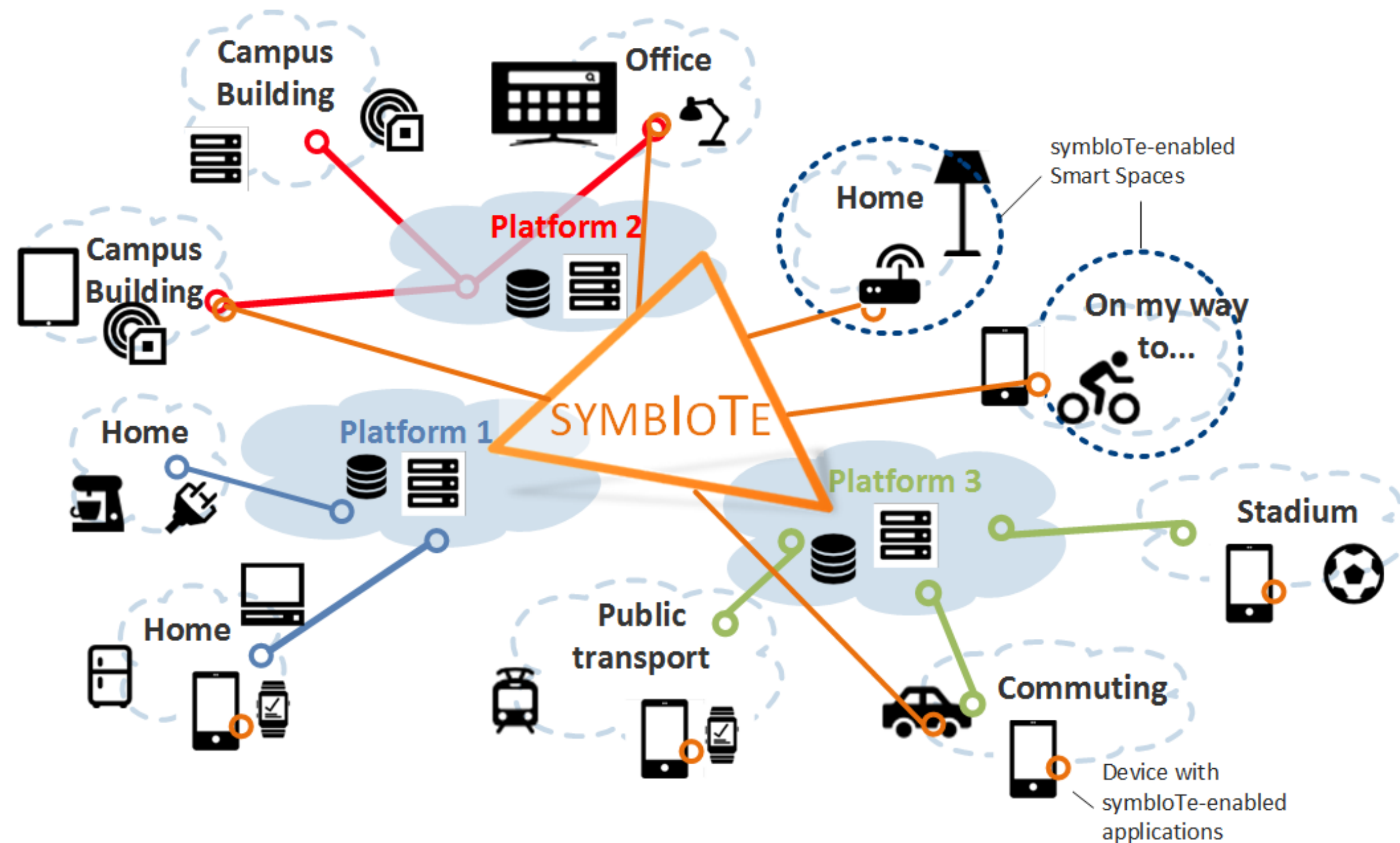
Collaboration opportunities

Sergios Soursos, Intracom Telecom
IoT week, June 8, 2017, Geneva



What is symbloTe?

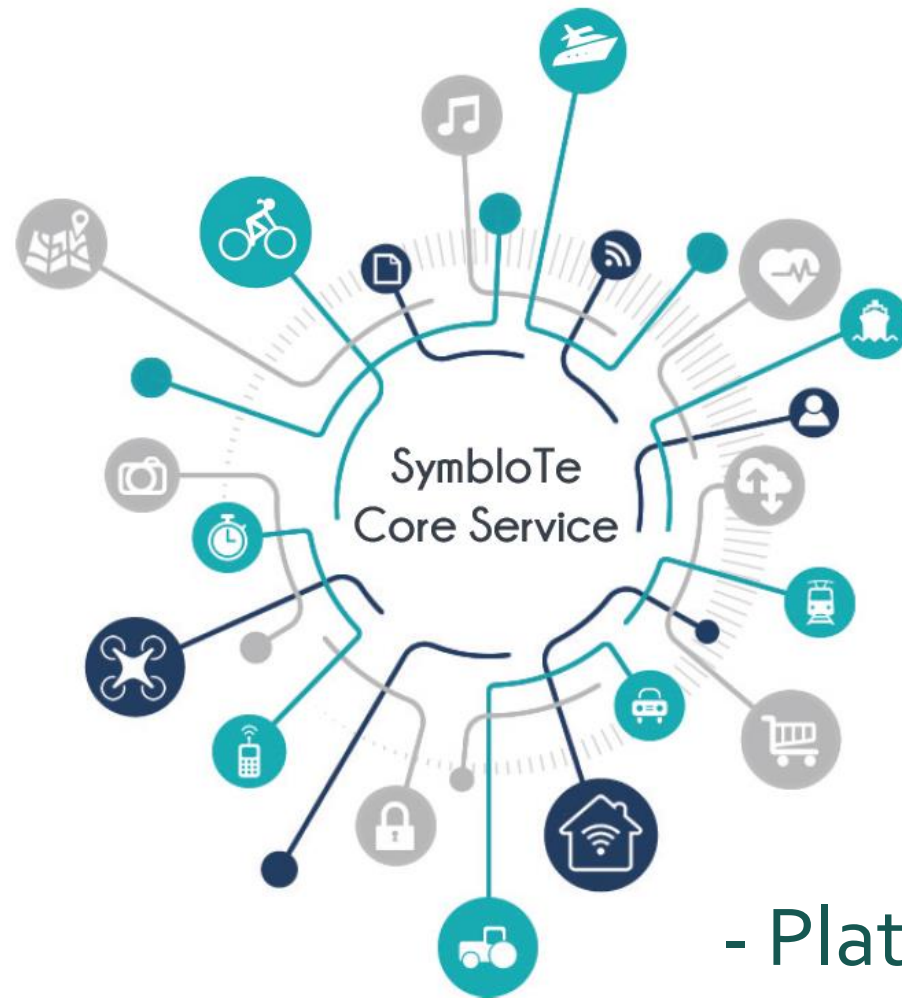
- **symbiosis** of smart objects across **IoT** environments
- **interoperability** and **mediation** framework
- aims at the **collaboration** of vertical IoT platforms towards the creation of **cross-domain applications**





Details on IoT Interoperability

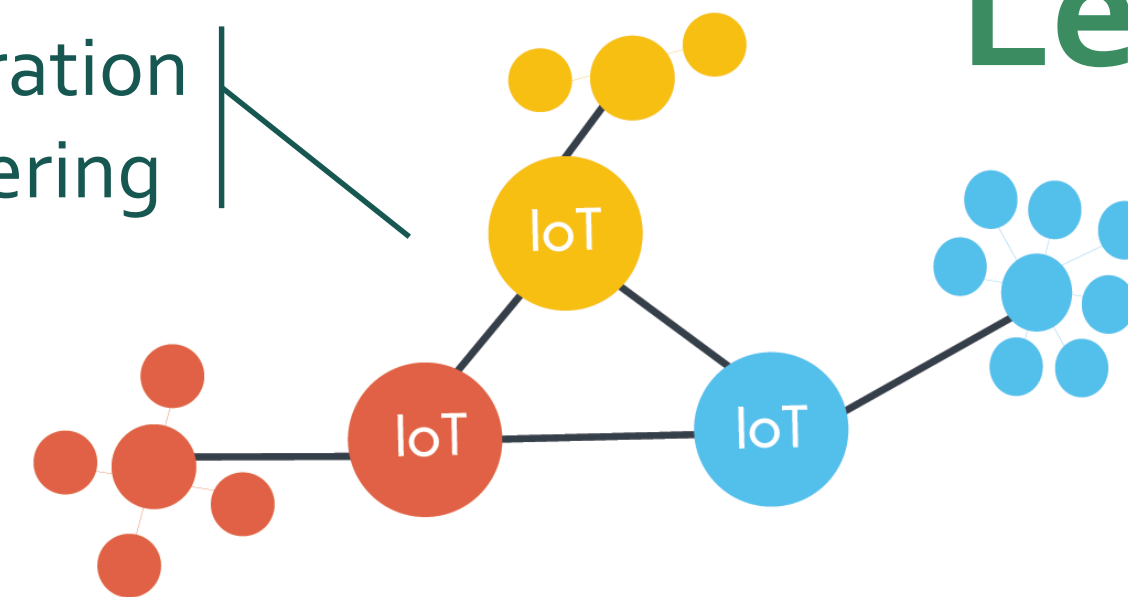
Level - 1



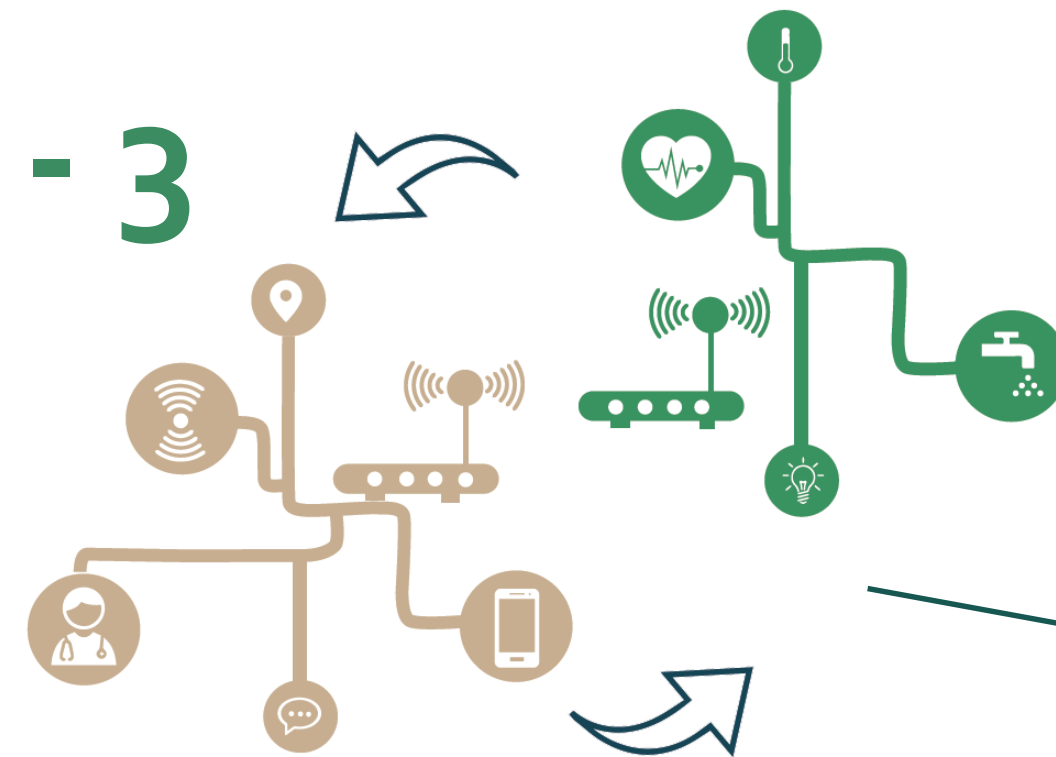
- Resource registry
- Resource search
- Semantic mapping
- Secure access
- Domain enablers
- Resource Trading

- Platform federation
- Resource bartering

Level - 2



Level - 3



- Gateway interworking
- Local interactions

- Device migration
- Device roaming

Level - 4





Our Use Cases



1. Smart Residence



2. EduCampus



3. Smart Stadium



4. Smart Mobility and Ecological Routing



5. Smart Yachting



1st Open Call

- Looking for IoT platforms to become Level-1 compatible
 - mainly SMEs and startups
- Decide what resources to open
- Provide information model of resources
- Extend Interworking API
 - use generic components, and
 - implement platform specific components
- Proof-of-concept showcase
 - together with symbloTe consortium
 - advertise own resources
 - make them discoverable through Core Services



Open Call Statistics



14

different
countries
across Europe

1 university
3 large enterprises
7 SMEs
23 startups



TOP USE CASE DOMAINS



24%
SMART
RESIDENCE



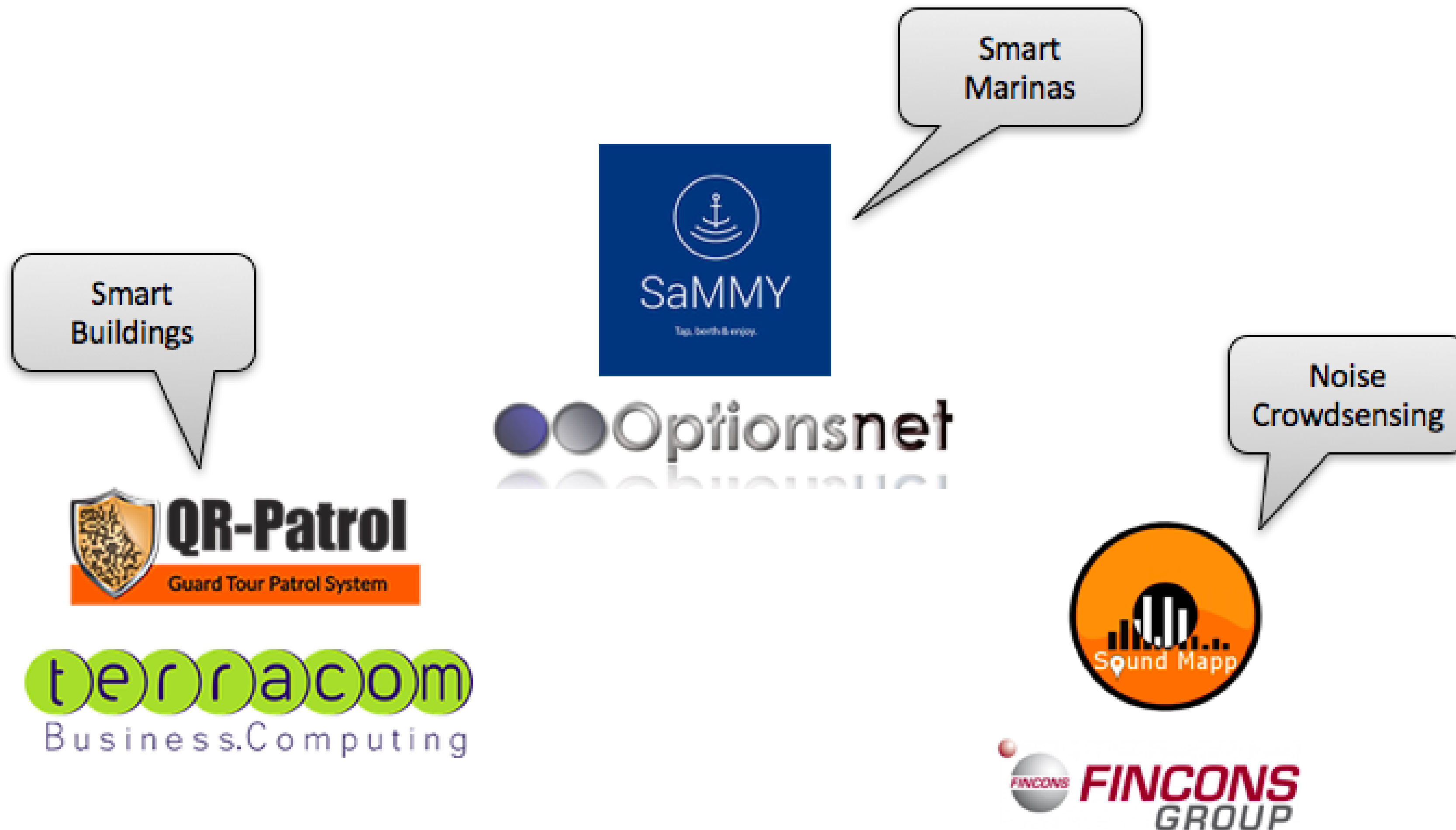
24%
SMART
CITY



17%
SMART
MOBILITY



1st Open Call Winners!





2nd Open Call

- **Launching:** 31st October 2017
- **Funding:** from 40k € to 150k €, no equity
- **Total Budget:** 520k €
- **Looking for:**
 - IoT platforms
 - IoT domain enablers
 - IoT cross-domain applications
 - Small scale trials
- **Applicants:**
 - Start-ups
 - SMEs
 - and others

More info at

<https://www.symbiote-h2020.eu/>

Subscribe to our
Open Call Notification Service!



Why collaborate with us?

- A solution **by SMEs for SMEs**

NEXTWORKS
ENGINEERING FORWARD

**sensing
& control**
Simply Seamless

ubiwhere
SUITING THE FUTURE

UNIDATA

NAVIGO

- ... backed-up by **established companies**



INTRACOM
TELECOM

Atos

vip

- ... and well known **universities and research institutes**

AIT

AUSTRIAN INSTITUTE
OF TECHNOLOGY



FER
UNIVERSITY OF ZADAR
FACULTY OF
ELECTRICAL
ENGINEERING
AND COMPUTING



cnit

**universität
wien**



Fraunhofer
IOSB

PSNC

- Opportunity to explore **interesting business synergies**

Thank you!

Questions?



www.symbiote-h2020.eu



info@symbiote-h2020.eu



[@symbiote_h2020](https://twitter.com/symbiote_h2020)



github.com/symbiote-h2020



H2020 research and
innovation framework
programme



@TagItSmart



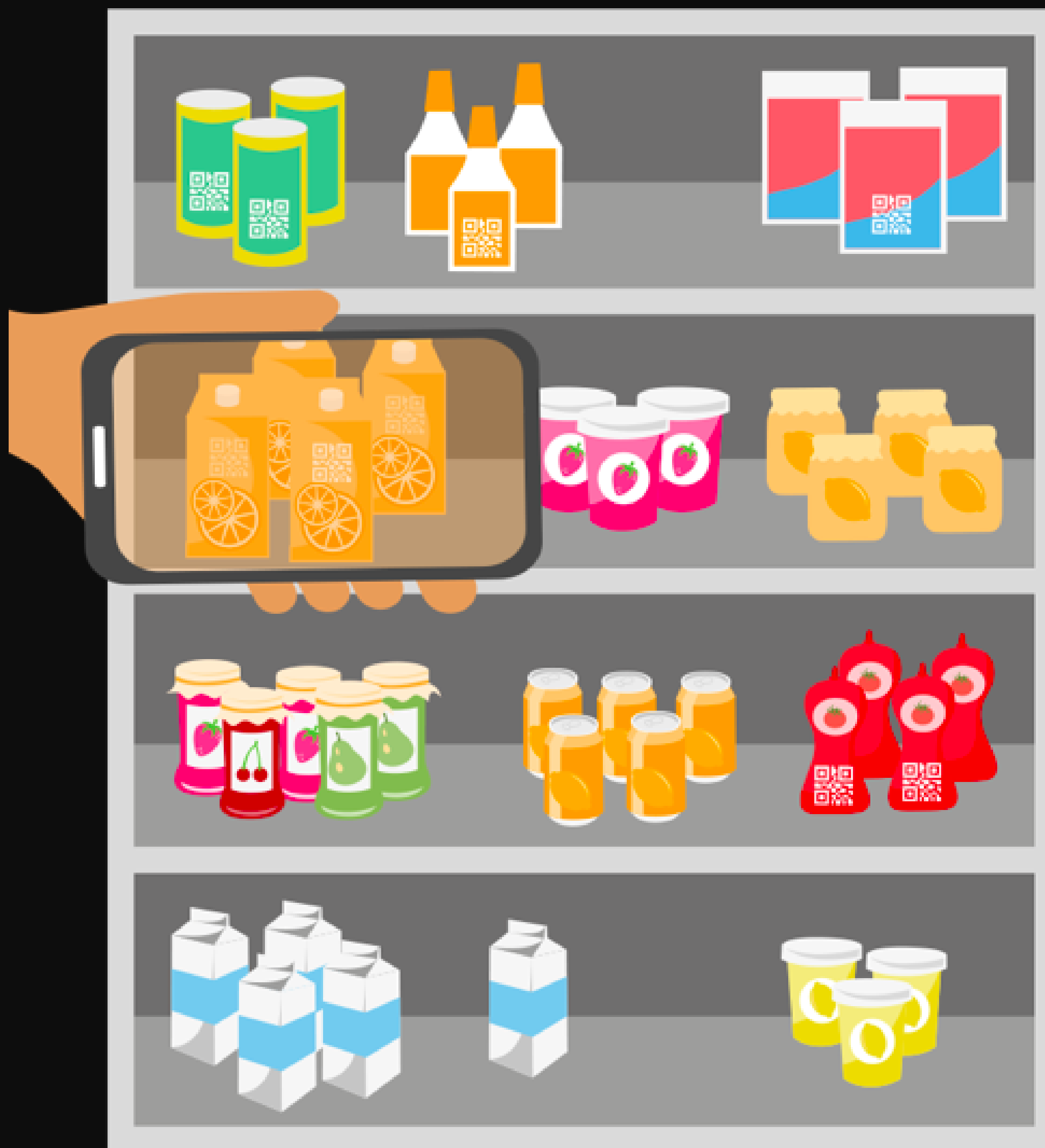
SMART TAGS DRIVEN SERVICE
PLATFORM FOR ENABLING ECOSYSTEMS
OF CONNECTED OBJECTS

Dr Srdjan Krco
@skrco



Do you
know their
story?





Let them
speak...

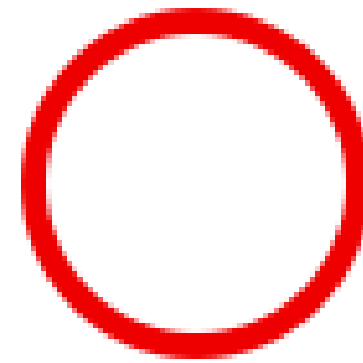
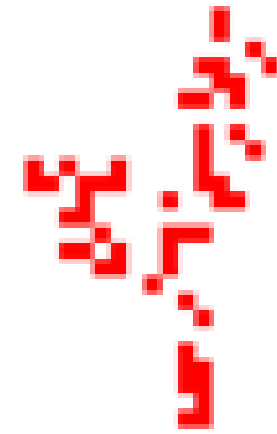
Scorching
hot...
or cold and
cozy...



Smart tags – it's how they speak!



+ functional ink



=



+ Heat, Light, Humidity =



+ printed NFC =



**Smart printed tags + smartphones + cloud =
IoT for mass-market products**

Why I like this project?



Why I like TagItSmart?

We put smiles on the
people faces 😊

Not smiles only...

Our pilots are driven by real industry needs

We do it out in the wilderness of real life

Supported by strong business cases

Not smiles only....

External (large) companies
interested to work with us

- Not about the money, but the value we provide!

Not smiles only...

External (small) companies
interested to work with us

- And we have budget to support them

Get (and stay) in touch!

•Web: www.tagitsmart.eu

•Web: www.iot-epi.eu

Twitter: @TagItSmart

Twitter: @IoT_EPI, #IoTEPI

Twitter: @skrco

2 open calls

Budget
1,200,000.00EUR

Open call #1: Q1
2017

Open APIs
for Open
Minds

Success stories from FIWARE Accelerator

IoT Week, Geneva, June 8st, 2017

Ulrich Ahle

FIWARE CEO

ulrich.ahle@fiware.org

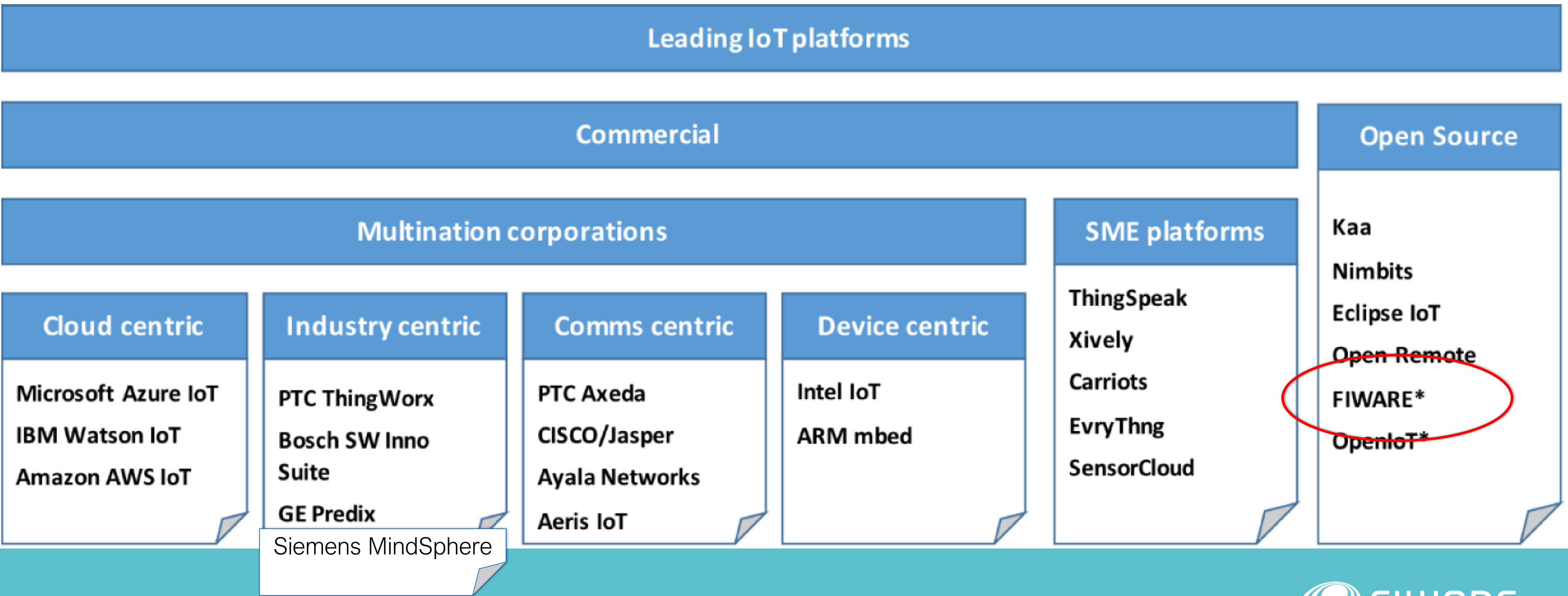


Shared context information would boost innovative services and the development of multi-sided markets



THE DATA ECONOMY

Leading IoT Platforms out of actually more than 360 world wide



What is FIWARE?



- An open source IoT platform to access context information
- A standard for exchange of context information:
NGSI (Next Generation Service Interface)
- Generic Enablers and Solutions to provide Smart Services
- The core Generic Enabler ,Orion Context Broker‘ will become a CEF Building Block
(Creating European Facility)

FIWARE Foundation Mission

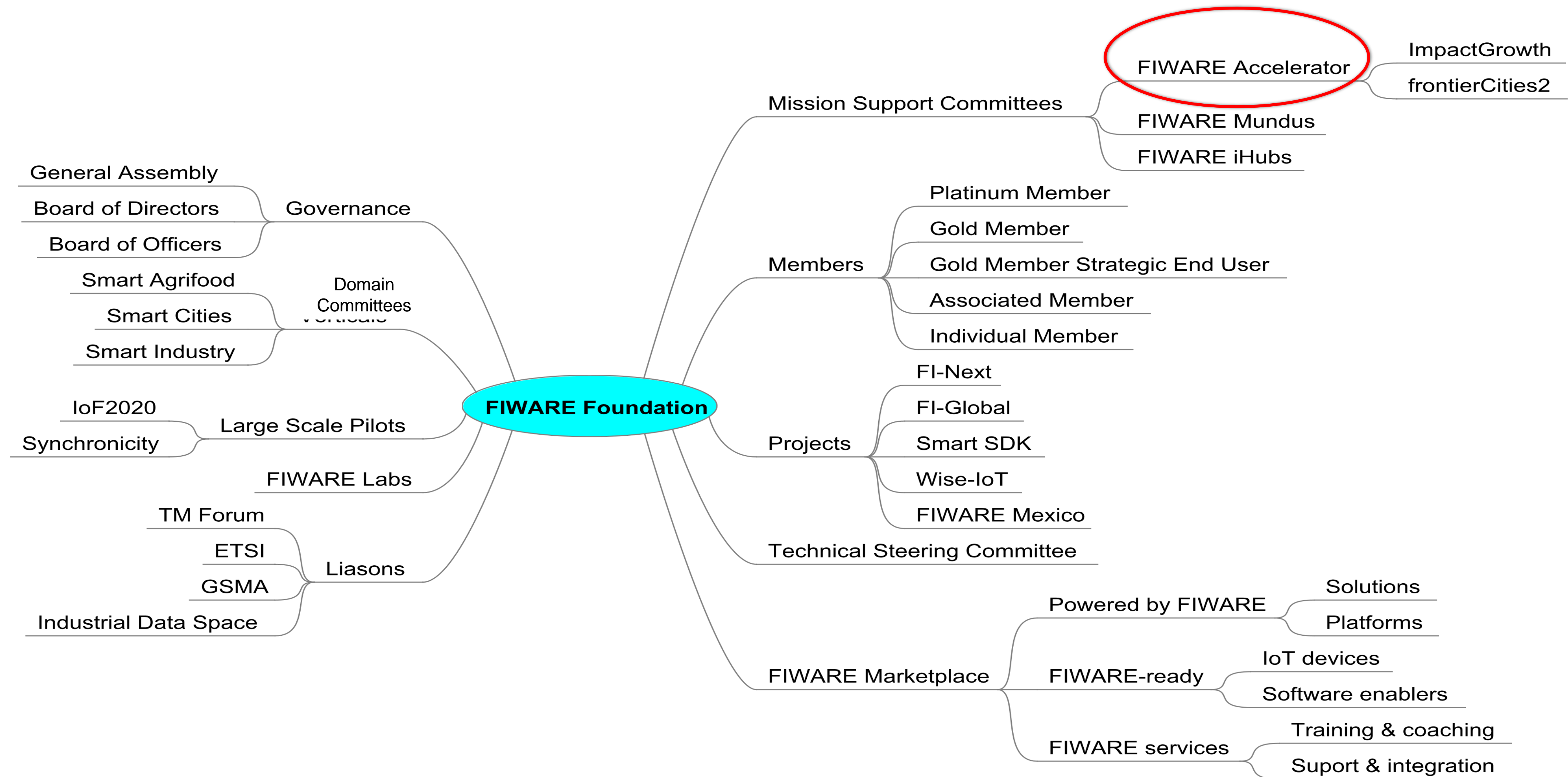
FIWARE Foundation

The FIWARE Foundation is a legal independent body providing shared resources to help to achieve the FIWARE Mission by Empowering, Promoting, Augmenting, Protecting, and Validating the FIWARE technologies and the whole Community around them.

Main Tasks

- Management and further development of the FIWARE ecosystem
 - Industrialization of the technology
 - Enhancement of the former focus vertical Smart Cities to Smart AgriFood and Smart Industry incl. Industrie 4.0
 - Globalization of FIWARE

The FIWARE eco system



<IMPACT>



GROWTH

The Startup Accelerator made by **top accelerators, global brands and VCs**

OPEN CALL 4 VERTICALS

IN COLLABORATION WITH GLOBAL CORPS AND VC's

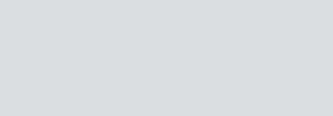


Smart Cities

ferrovial



Smart Content

doc  ital



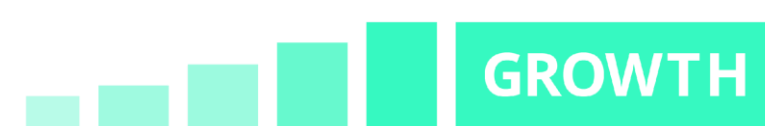
Smart Agrifood

DANONE



Smart Factories

MADE



EQUITY FREE

28 startups

STEP 1

**€100K +
acceleration**

**4 highest
potential**

STEP 2

**+€150K
Up to €250K**

Best (s)

STEP 3

+€1,75M VC

FIWARE ECOSYSTEM



Powered by
 FIWARE



Startups enjoy the benefits of the global FIWARE ecosystem.

- FIWARE is an **open-source** “toolkit” of technologies - Generic Enablers
 - FIWARE mentors & personalized **technical support**
- FIWARE Foundation is a **partner** in IMPACT Growth, allowing our startups to have access to the best resources
 - **100%** of IMPACT startups have FIWARE implemented

visit **fiware.org** for more information

Powered by
 FIWARE



Mentoring



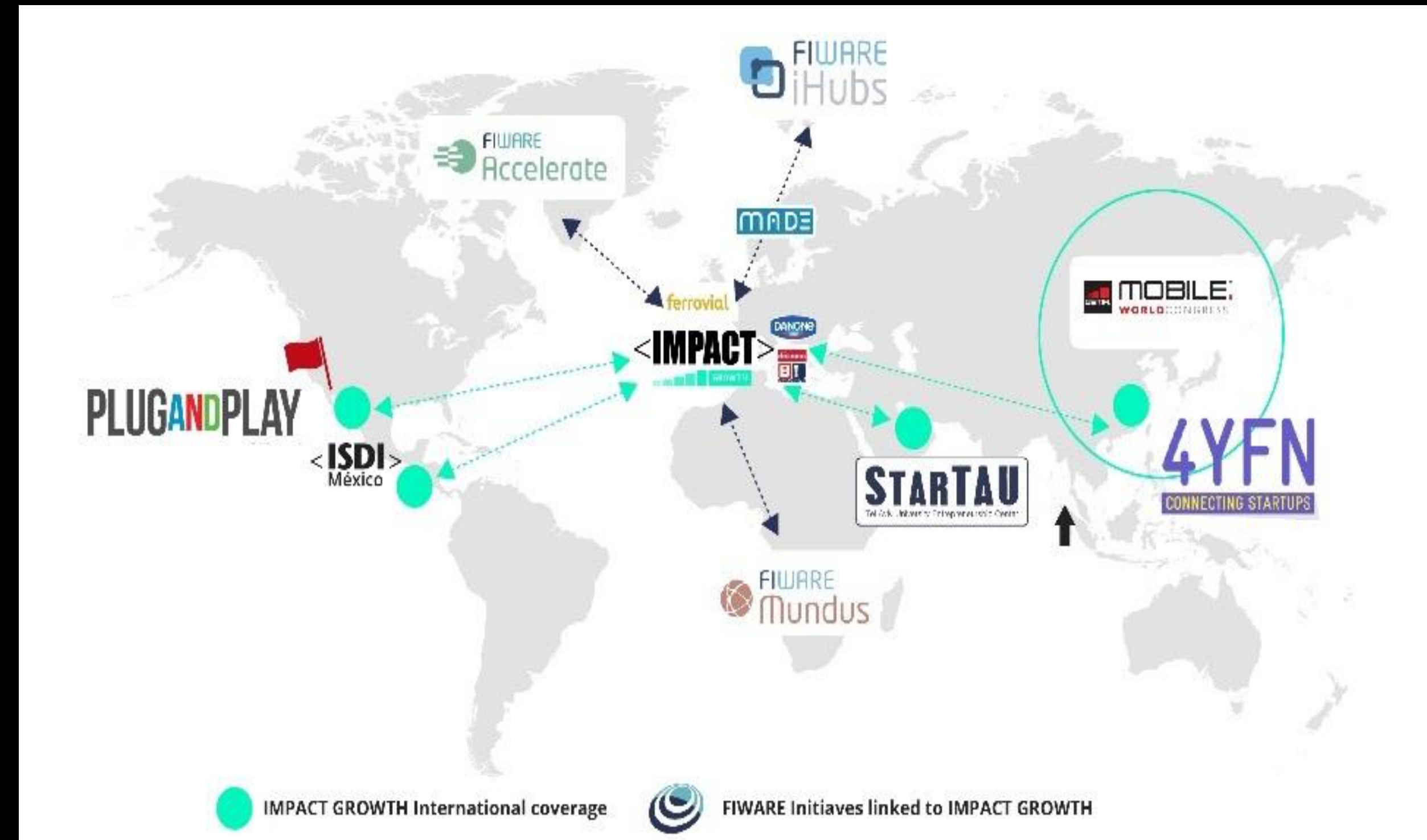
60+ top international mento



Global Network



IMPACT Growth will take a small number of its startups on **#DigitalMissions** to Silicon Valley, London, and Tel Aviv.



STARTUPS PROFILE



IMPACT Growth is looking for startups in the **growth stage**:

1. **Product** already on the market
2. Initial **investment**
3. Established **partnerships**
4. Looking to open in **new territories** in the short term
5. Looking for investment to **grow** the business in the next 9 months.
6. Implemented or will implement **FIWARE**



Powered by
 **FIWARE**

1st Open Call

by the numbers

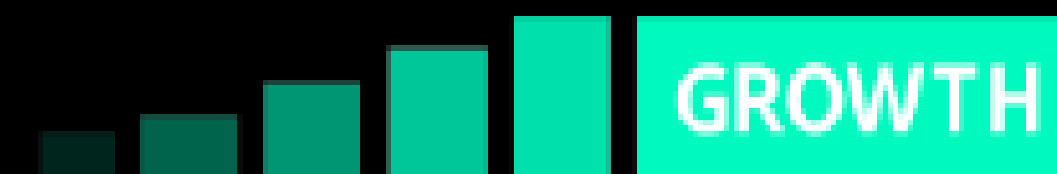
710

Applications submitted

1,932

Applications started

<IMPACT>





Next Open Call Launch

SEPTEMBER 2017!!!

impact-accelerator.com

Your turn to **IMPACT!**

frontierCities2

EUROPEAN SMART CITIES DRIVING THE FUTURE INTERNET

The Smart Cities Accelerator

www.frontiercities2.eu



S3Transportation



Thank you!

Ulrich Ahle
FIWARE CEO
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www.fiware.org
Follow @FIWARE on Twitter



BIG IoT

Bridging the Interoperability Gap
of the Internet of Things

BIG IoT – Open Call

IoT Week Geneva, 8th of June 2017

Arne Bröring, Siemens AG

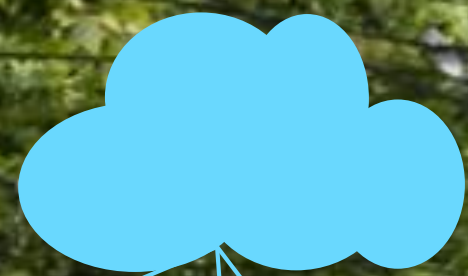


European
Platforms
Initiative

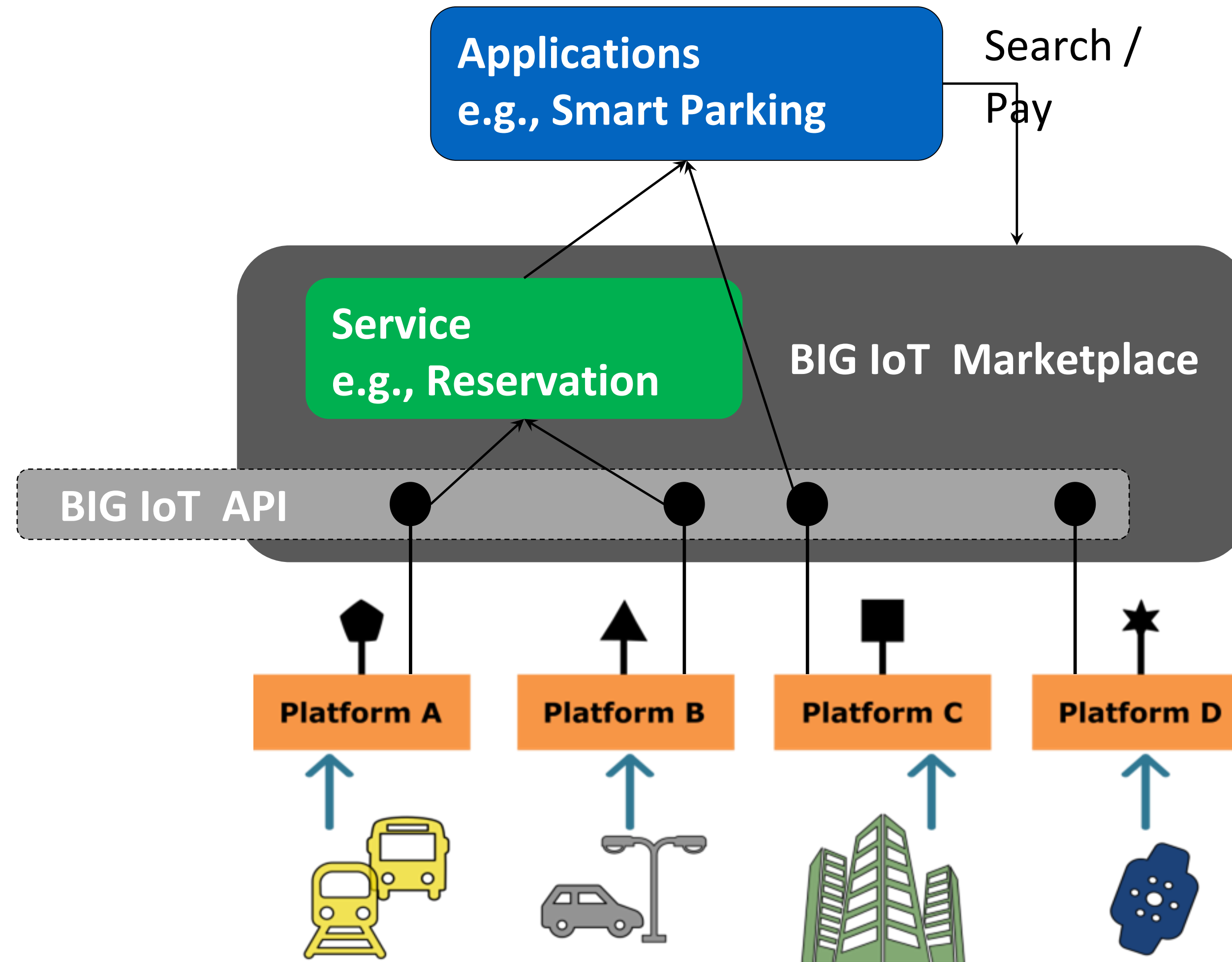


European
Commission

Horizon 2020
European Union funding
for Research & Innovation



BIG IoT Overview



Strong Partners

Atos



BOSCH

SIEMENS



SEAT



econdais



vmz

Verkehr Mobilität Zukunft



wolfsburg AG



AALBORG UNIVERSITY
DENMARK



OÉ Gaillimh
NUI Galway










TU Clausthal
Clausthal University of Technology

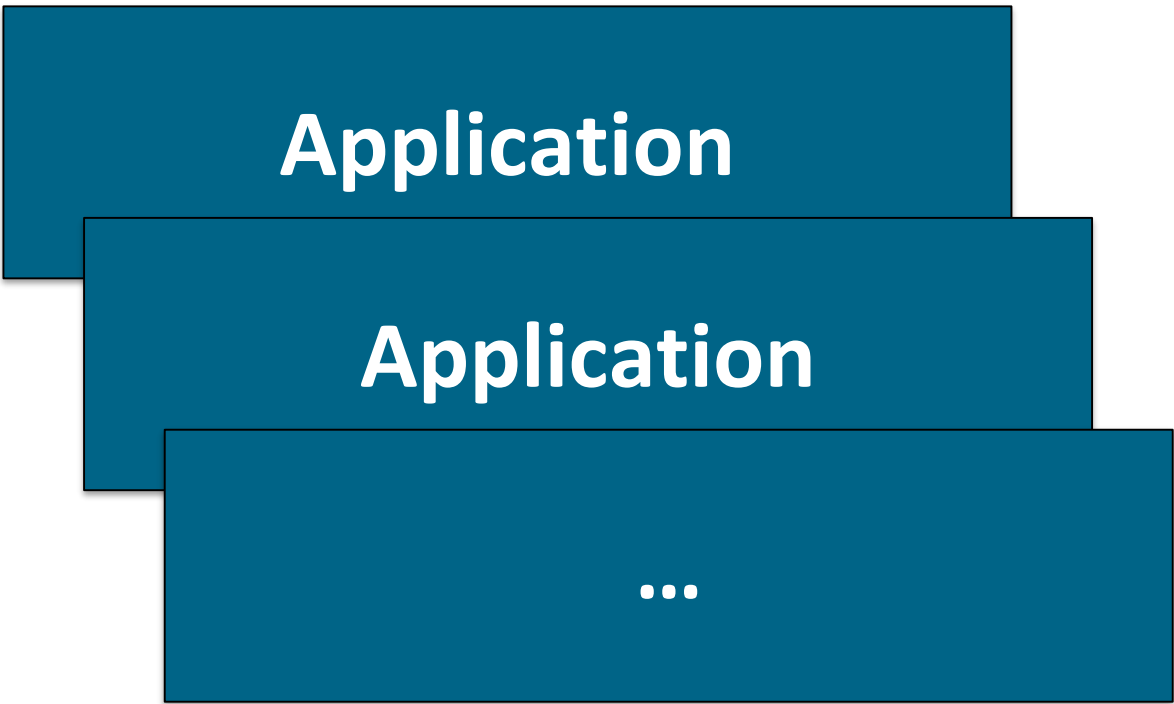
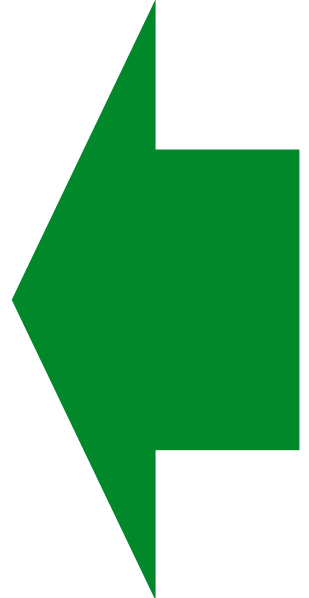


UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

8 Platforms

Platforms & Services

	ConnectedCity Platform	●
	Distributed Smart Object Platform	●
	Smart Data Platform	●
	Wubby Platform	●
	OpenIoT Platform	●
	Advanced Parking Management	●
	TIC Platform	●
	Smart Traffic Platform	●



Marketplace for whom?

End User looking for Apps



Developers, Web Infrastructure Manager, Creatives...

- @ Smart City
- @ Mobility Company

... wants to setup of Smart City services & Applications



Search



[My Applications](#)

[Browse](#)

[Info](#)



Barcelona



Berlin



Munich



Wolfsburg



Piedmont



Dublin

Join Us!



Integrate
through
BIG IoT API



Share
through
Marketplace



Engage
through
Open Call



1st Open Call

What?

- IoT platform and data **providers**
- Smart City, Smart mobility, Environment, ...

Who?

- SMEs, StartUps, Companies, ...
- €300k (up to **€60k**)

Why?

- Collaborate with EU industry leaders
- Participate in shaping an IoT Marketplace
- Visibility in key IoT events
- Make trials and extend your IoT offerings

When?

- Call closes: 16th Jun 2017
- Implementation: 09/2017- 01/2018



www.big-iot.eu



info@big-iot.eu



[@BIG_IoT](https://twitter.com/BIG_IoT)



big-iot.github.io



BIG-IoT project group

Dr. Arne Bröring, arne.broering@siemens.com



European
Platforms
Initiative



European
Commission

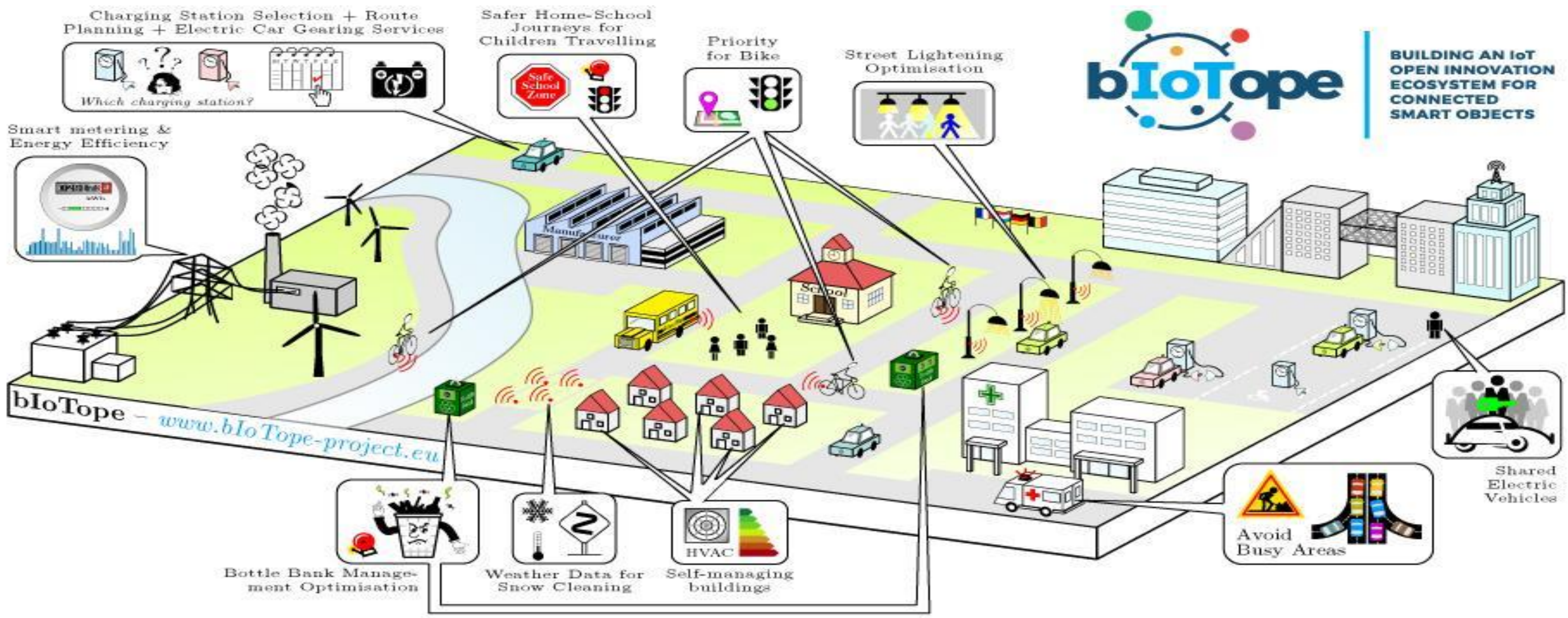
Horizon 2020
European Union funding
for Research & Innovation



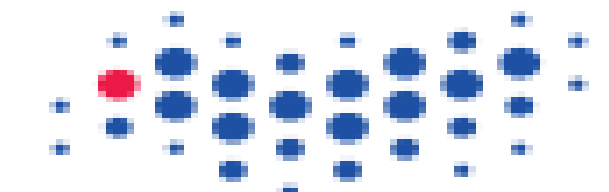


**Building an IoT Open Innovation Ecosystem for
Connected Smart Objects**

bIoTope Open Call 1



bIoTope project partners



ITMO UNIVERSITY

BIBA



enervent



**FORUM
VIRIUM
HELSINKI**

GRAND LYON
la métropole



bIoTope Call 1 is Open Now



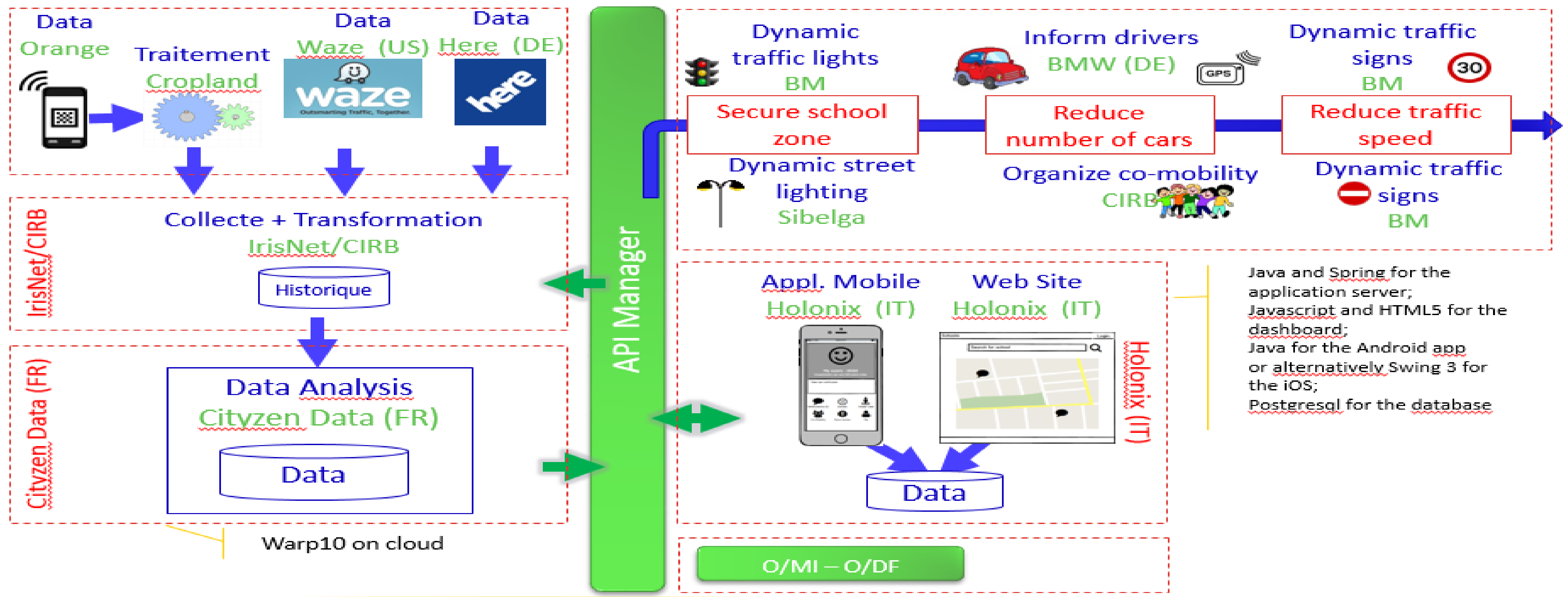
Participate to our Open Call and:

- Be part of the bIoTope ecosystems
- Test your solutions in real-world scenarios
- Facilitate the development of your IoT solutions
- Help us to validate bIoTope techniques
- Get funding up to €150k (total funding €420k)

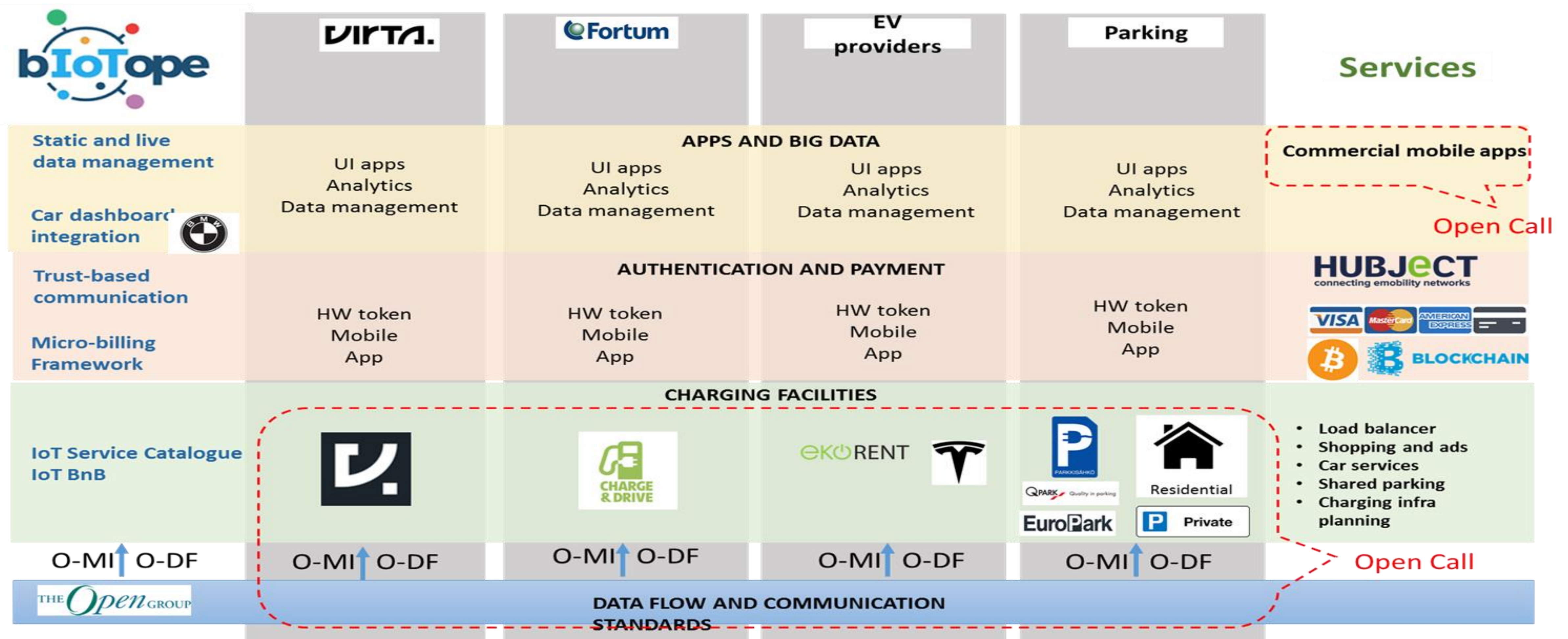
SMART CITY PILOTS:

BRUSSELS - HELSINKI - LYON

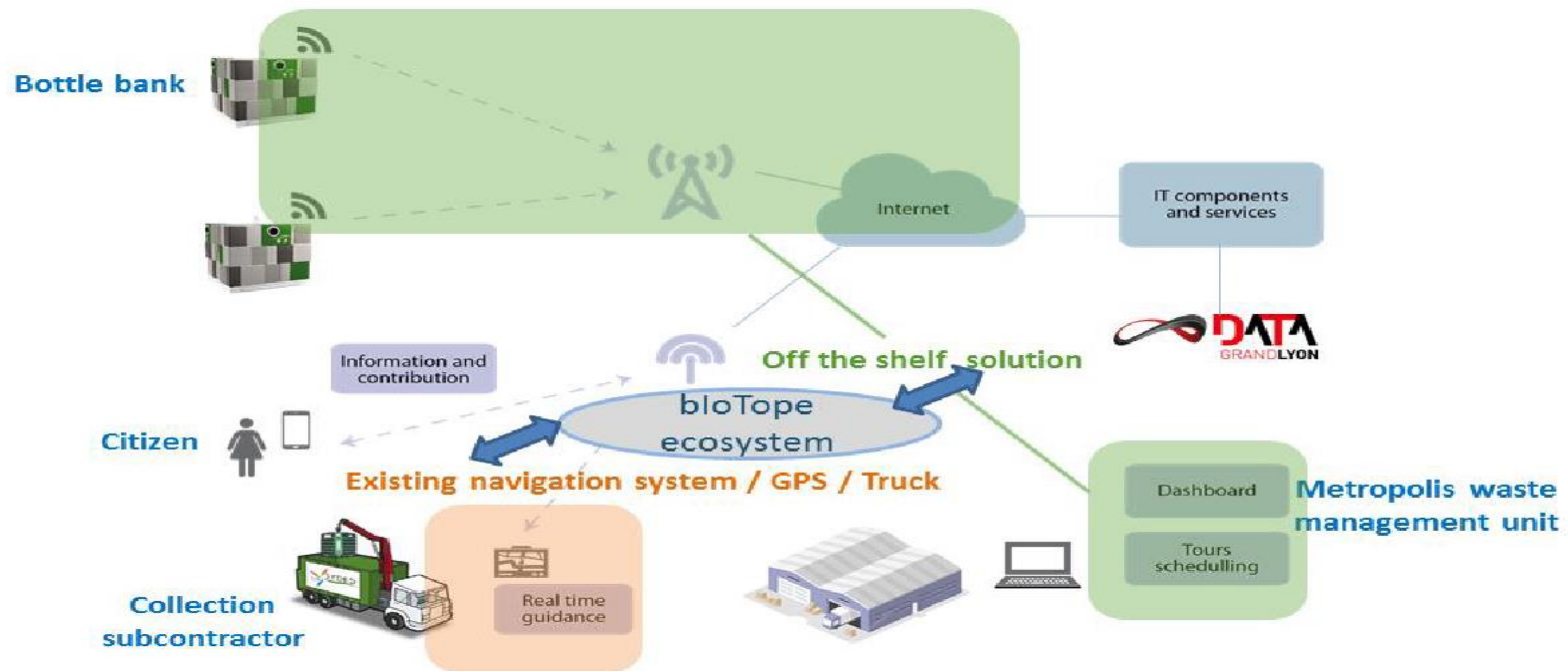
Brussels: Improving the security of commuting schoolchildren around the schools



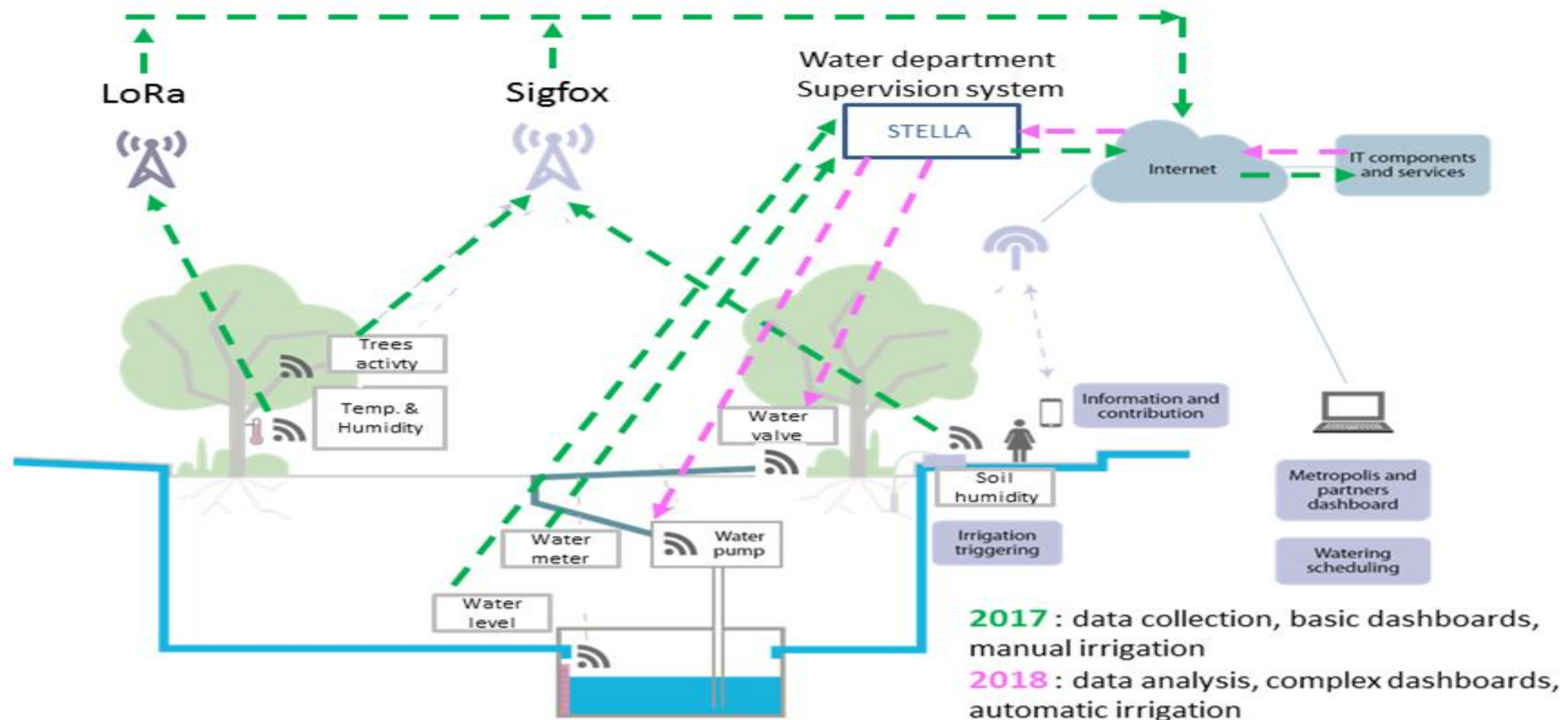
Helsinki: Building technical infrastructure for EV charging services



Lyon 1: Bottle bank management and vertical solutions for waste management optimization



Lyon Open 2: Heat wave mitigation through data analysis, complex dashboards and automatic irrigation



We are looking for:



Start-ups, SMEs, companies or research institutes

in the areas of smart city services, environment, mobility, smart housing and citizen involvement.

When to act?



- Call open for applications: 22 May 2017
- Deadline for the proposal submission: 22 August 2017, 17:00 CEST (Brussels time)
- Selected Third Parties joining the Project: October 2017

How to apply?



How to prepare a proposal?

- ◆ Technical annex
- ◆ Feasibility check

How to submit a proposal?

- ◆ F6S portal - www.f6s.com/opencall1biotope

How to get support?

- ◆ Applicant materials at bIoTope website, www.biotope-project.eu/open-call-1
- ◆ Applicant support (FAQ, Feasibility check, OpenCallSupport@bIoTope.eu)



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Initiative



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