

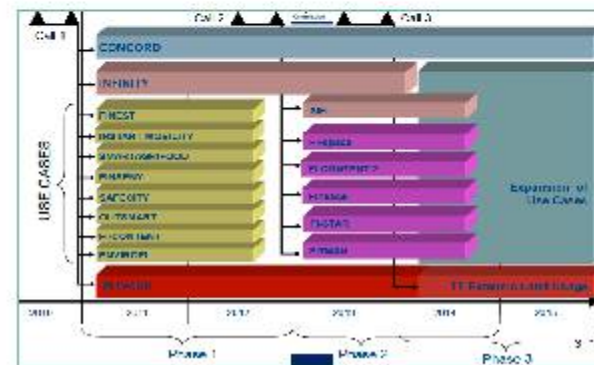
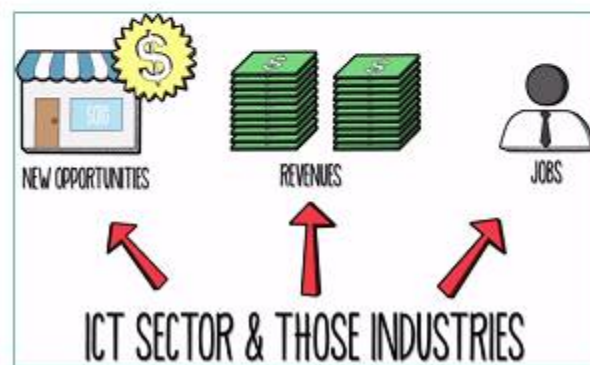
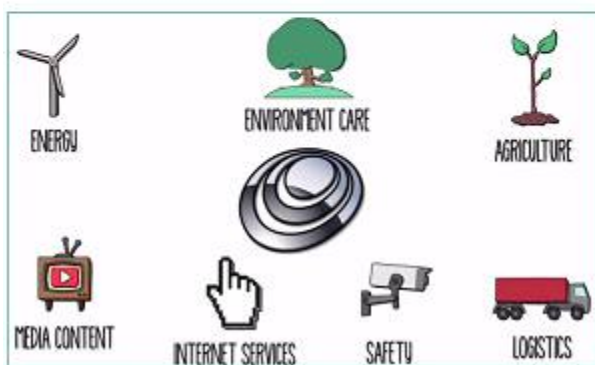
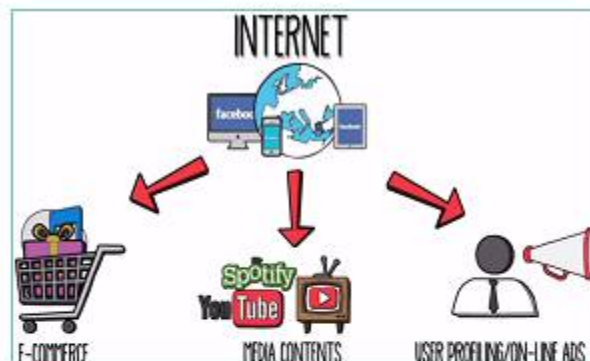


# FI-PPP: OPORTUNIDADES DE FINANCIAMENTO NA INTERNET DO FUTURO

ESTRATEGIA EUROPEA DE INTERNET NO  
FUTURO

Santiago de Compostela, 1 de outubro de 2014

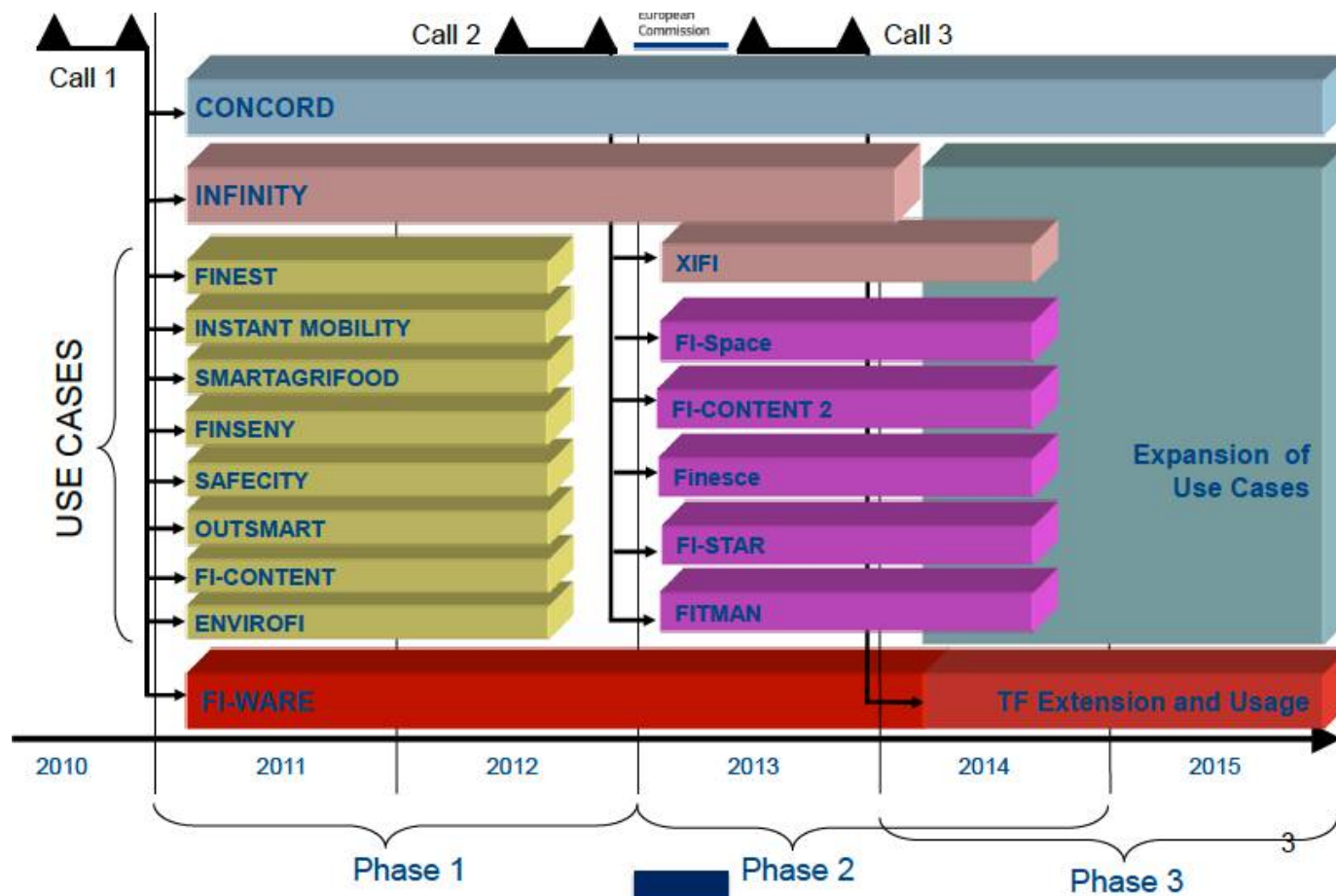
# Contexto



FUTURE  
INTERNET  
PPP

- **Acelerar o desenvolvimento e a adopción de futuras tecnoloxías de Internet en Europa**
- **avanzar no mercado europeo de infraestruturas intelixentes**
- **Aumentar a eficacia dos procesos de negocio a través de Internet**

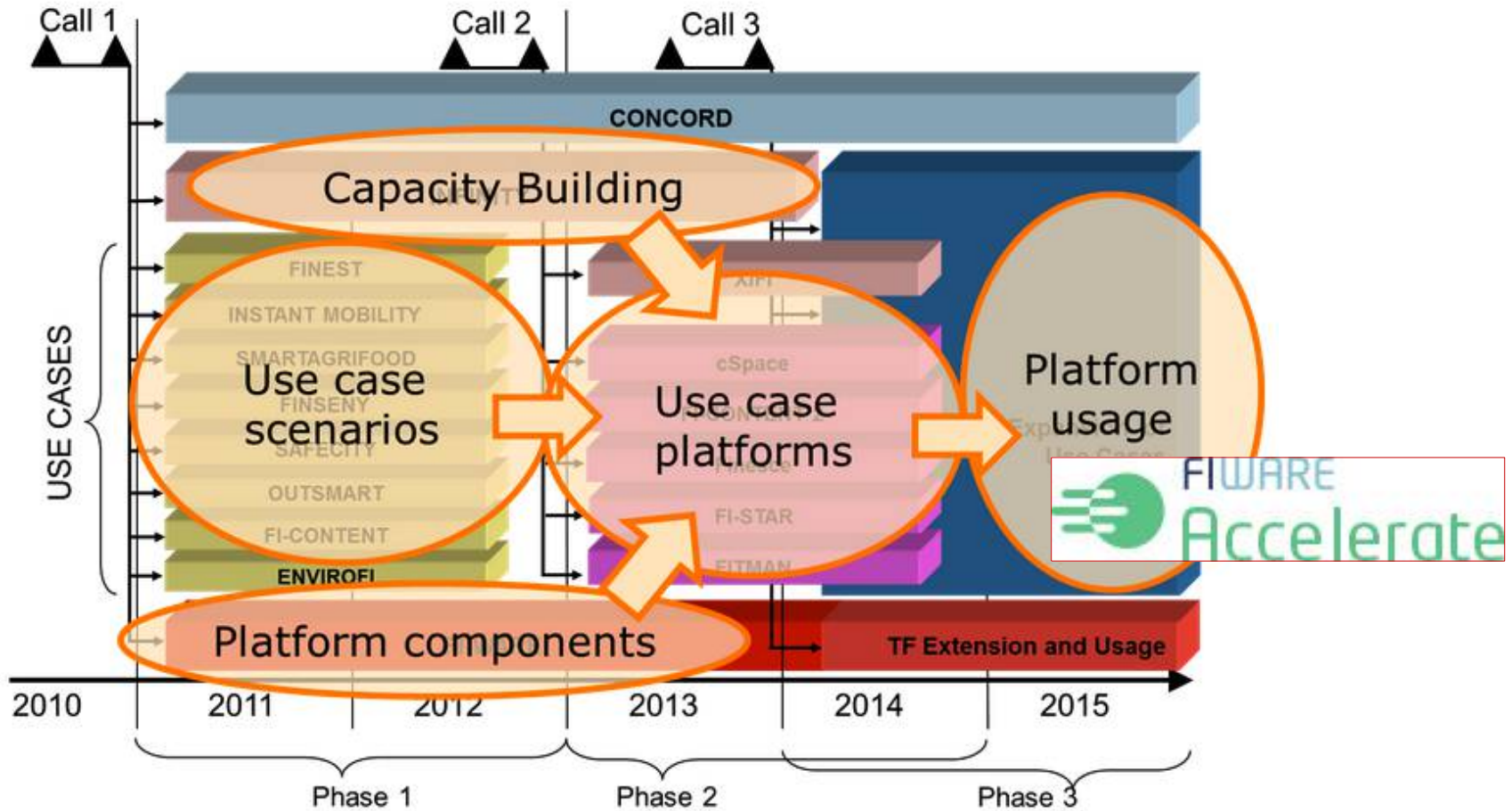
# Arquitectura do programa



## Datos xerais do programa

- Investimento total do programa: 500 M€ (300 M€ de contribución UE)
- Número de organizacións: 158 (fase 1), 125 (fase 2), 111 (fase 3)
- Países representados: 23 (fase 1), 21 (fase 2), 25 (fase 3)

# Ecosistema FIWARE





# Fase 3: despliegue FIWARE



- Focus on actors who can access and leverage existing SME and web entrepreneurs ecosystems
- Attract small actors to build services and applications, e.g. SMEs, web entrepreneurs, university teams, start-ups, 'geeks', whoever...

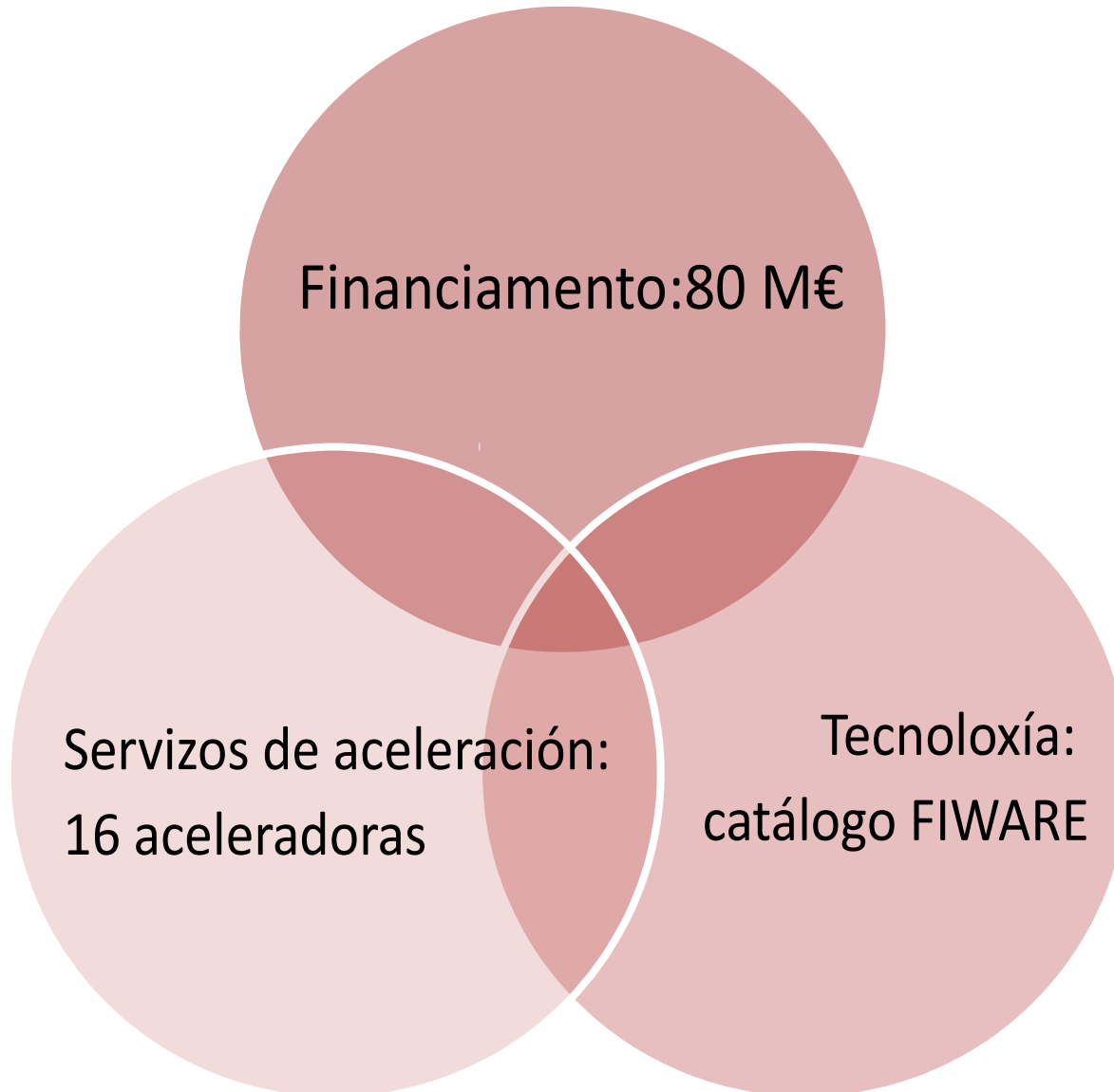


- Ensure sustainability, e.g. by embedding in regional fabric
- Connect with on-going regional initiatives, e.g. SME, web entrepreneurs, education, innovation



Services and applications in a wide range of Internet usage areas, large scale trials and take-up

# Oportunidades para PEMEs



# Tecnología FIWARE



## FIWARE Catalogue: useful components to start with



### ORION

Sure you want your app to be context-aware and Orion is the key to do so. In real-time handling data about context at large scale.



### COSMOS

On-demand hadoop infrastructure for carrying out BigData analysis.



### WIRECLOUD

Simple yet powerful web-based mashup platform. Rather helpful when your app needs to implement an operational dashboard.



### KURENTO

Real-time video stream processing was never so easy.



### IDAS

Reading a measure or acting on a device will be as easy as to read/change the values of the attributes of relevant context entities. Get rid of the complexity of IoT protocols and devices.



### KEYROCK

Incorporate OAuth 2.0-based authentication in your application.



### ACCESS CONTROL

Define and enforce policies dealing with access control to FIWARE APIs or your own APIs.



### MORE...

Visit our catalogue



# Catálogo FIWARE

Home Enablers Tools Forum [Login / Register](#) **FIWARE Catalogue**

Browse by Chapter

- ✓ - Any -
  - Advanced Middleware and Web User Interfaces
  - Applications/Services Ecosystems and Delivery Framework
  - Cloud Hosting
  - Data/Context Management
  - Interface to Networks and Devices
  - Internet of Things Services Enablement
  - Security

Model of HTML-5 to also include interactive 3D graphics.

**3DUI - WebTundra**

realXtend's Web client for realtime collaborative 3d applications  
ADVANCED MIDDLEWARE AND WEB USER INTERFACES

**Access Control - THA Implementation**

Administration & Enforcement of RESTful API Authorization Policy  
SECURITY

**Application Mashup - Wirecloud**

Offers a composition editor and execution engine that allows end users with little or no programming skills to create and run a composite web application front-end as a mashup built from widgets and operators relying on backend data sources and services

## BigData Analysis - Cosmos

Home / Generic Enablers / BigData Analysis - Cosmos

Overview **Creating Instances** Documentation Downloads Instances Terms and conditions



**Chapter:**  
Data/Context Management

**Version:**

**Updated:**  
2014-07-08

**Contact Person:**  
Place your question at  
stackoverflow.com (tags: fiware,  
fiab, fiware-cosmos)  
francisco.romerobueno  
@telefonica.com

### What you get

Cosmos is an implementation of the Big Data GE, allowing the deployment of private computing clusters based on Hadoop ecosystem. Current version of Cosmos allows users to:

- I/O operations regarding Infinity, a persistent storage cluster based on HDFS.
- Creation, usage and deletion of private computing clusters based on MapReduce and SQL-like querying systems such as Hive or Pig.
- Manage the platform, in many aspects such as services, users, clusters, etc, from the Cosmos API or the Cosmos CLI

There is also a component called Cygnus in charge of receiving context data from Orion (Context Broker GE implementation) and storing it in HDFS.

### Why to get it

Big Data processing is the technology used to process huge amounts of previously stored data in order to get relevant insights in scenarios where latency is not a highly relevant parameter. These insights take the form of newly generated data, which will be at disposal of applications using the same mechanisms through which initially stored data is available. If you are developing a data scenario which such requirements, Cosmos is the tool you are looking for.

### Open specification reference

The Open Specification of the GE can be found via the FI-WARE website.

Please [login](#) to be able to subscribe to this GEL.



# Wadjet: exemplo práctico

Sep  
**22**  
2014

## SELECTED TEAMS TO COMPETE IN THE FIWARE EXCELLENCE CHALLENGE

Blog, Challenges, Events

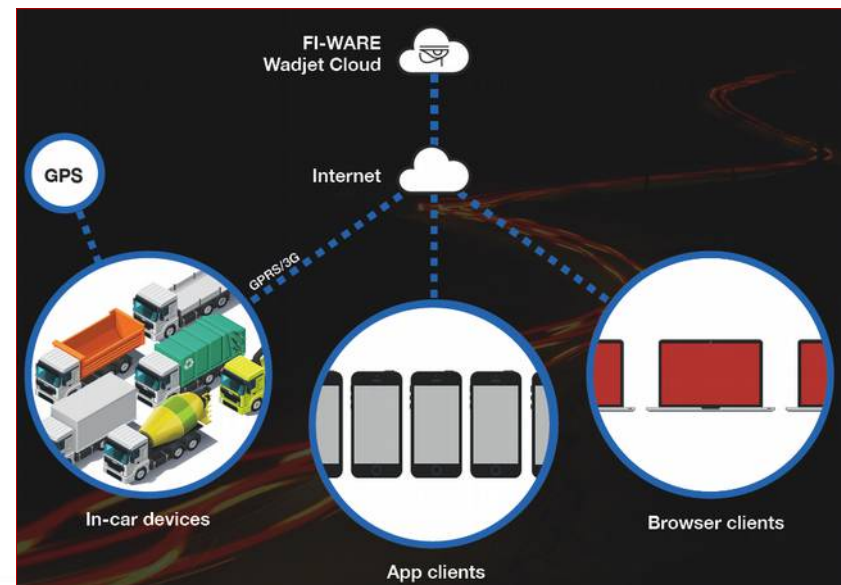


Finally! We have the list of selected teams for the FIWARE Excellence Challenge! FIWARE Excellence will award internet applications that truly make the most out of FIWARE technology and is open to any kind of applications. Amongst the selected teams you will find several of the teams that participated in the **Smart Cities and Smart Business & Industry** Challenges since those who received an evaluation above 7 automatically were admitted into the selection.


But we will also find new ideas, with teams that come as far away as Cambodia and Saudia Arabia!

Here is the list of team leaders and applications presented:

1. Viviane Lessa with the project called **FI-Guardian**
2. Alejandro SantaMaria Arza with the project called **Sparky**
3. Álvaro Romero Izquierdo with the project called **Smart Box**
4. Daniel Lima with the project called **La urbo**
5. Marco Vereda Manchego with the project called **Apparkart**
6. Margarita Vaca Martín with the project called **Cares**
7. Christoph Müller-Dechent with the project called **Foodloop**
8. Federico López with the project called **SmarTaxi**
9. Félix Joel López Salcedo with the project called **Context**
10. Christian Ryder with the project called **FoneSense**
11. **Xabier Chao with the project called Wadjet** →
12. Stelios Sotiriadis with the project called **Interact**
13. Ihab Abusafa with the project called **Mapencil (Geo Sketch)**
14. Marian Claudiu Moldovan with the project called **Spring**
15. Jorge Artieda with the project called **Small Signals**
16. Beatriz Justo with the project called **Midnight VIP**
17. Mak Sophea with the project called **Local Offer**



# Wadjet: exemplo práctico



WadjetBox		Main benefits	
Real time trackable data Plug & play Easy to use		Productivity improvement Lower environmental impact	
BOX	<ul style="list-style-type: none"> <li>Photo capture</li> <li>Audio capture</li> </ul>	<ul style="list-style-type: none"> <li>Video capture</li> <li>Crash detection</li> </ul>	
OBD I EOBD	<ul style="list-style-type: none"> <li>Fuel economy</li> <li>CO2</li> <li>Engine load</li> <li>Speed</li> <li>RPM</li> </ul>	<ul style="list-style-type: none"> <li>Vehicle error codes</li> <li>Battery</li> <li>Coolant temperature</li> <li>Harsh braking</li> <li>Harsh acceleration</li> </ul>	
OBD II EOBD	<ul style="list-style-type: none"> <li>Fuel level</li> <li>Oil pressure</li> </ul>	<ul style="list-style-type: none"> <li>Pedals positions</li> <li>Seat belt</li> </ul>	
GPS	<ul style="list-style-type: none"> <li>Position</li> <li>Elevation</li> </ul>	<ul style="list-style-type: none"> <li>Speed</li> <li>Direction</li> </ul>	

# Integración de tecnología FIWARE





**Wadjet**