



Ecosistema FIWARE

Jose Gonzalez

Responsable Cooperación Internacional

jgonzalez@interinnov.eu



¿QUÉ ES FIWARE?



UNA COMUNIDAD



Comunidad FIWARE en cifras



\$500M

Inversión

42

Servicios
Código
Abierto

100+

Ciudades

1000+

Ideas
Negocio

1

Interfaz
Estándar

\$20M

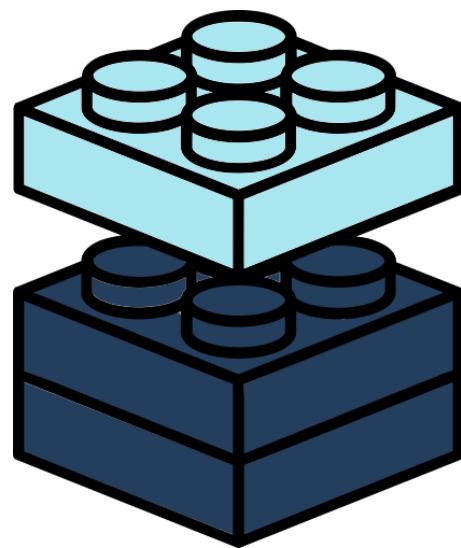
Financiación



PRINCIPIOS



Servicios FIWARE

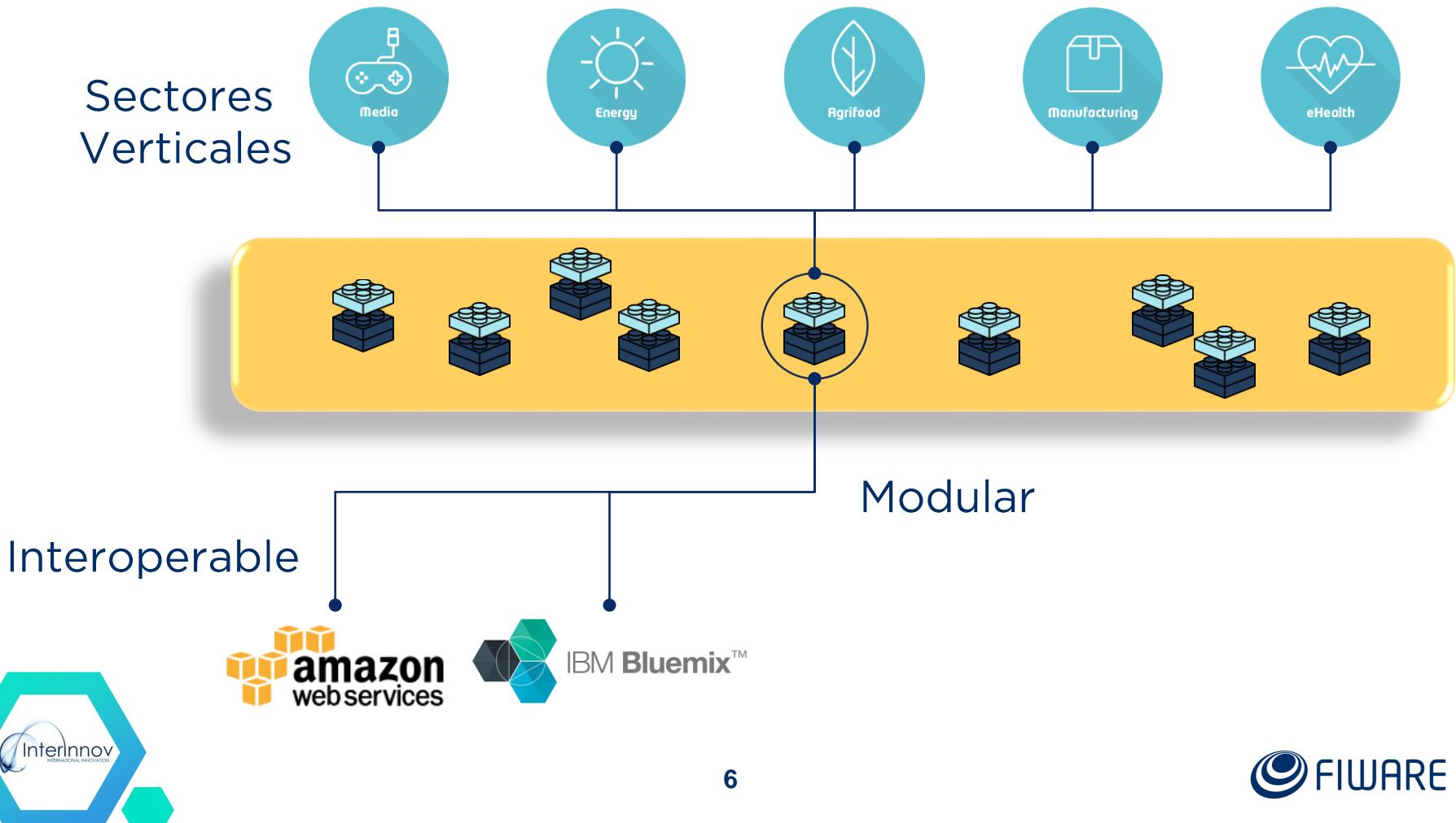


Interfaz Estándar (NGSI)

Tecnología Código Abierto

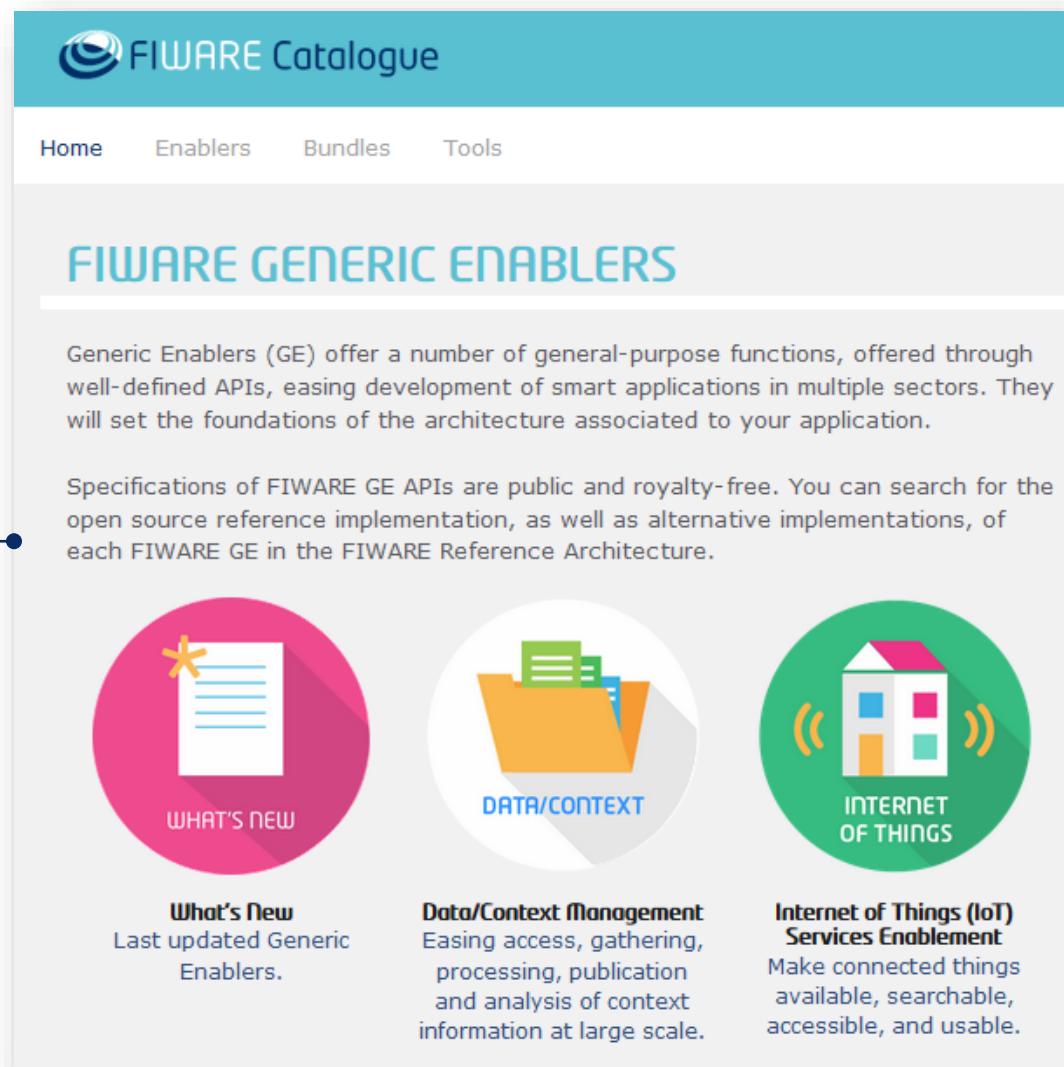


Plataforma FIWARE



Catálogo FIWARE

catalogue.fiware.org



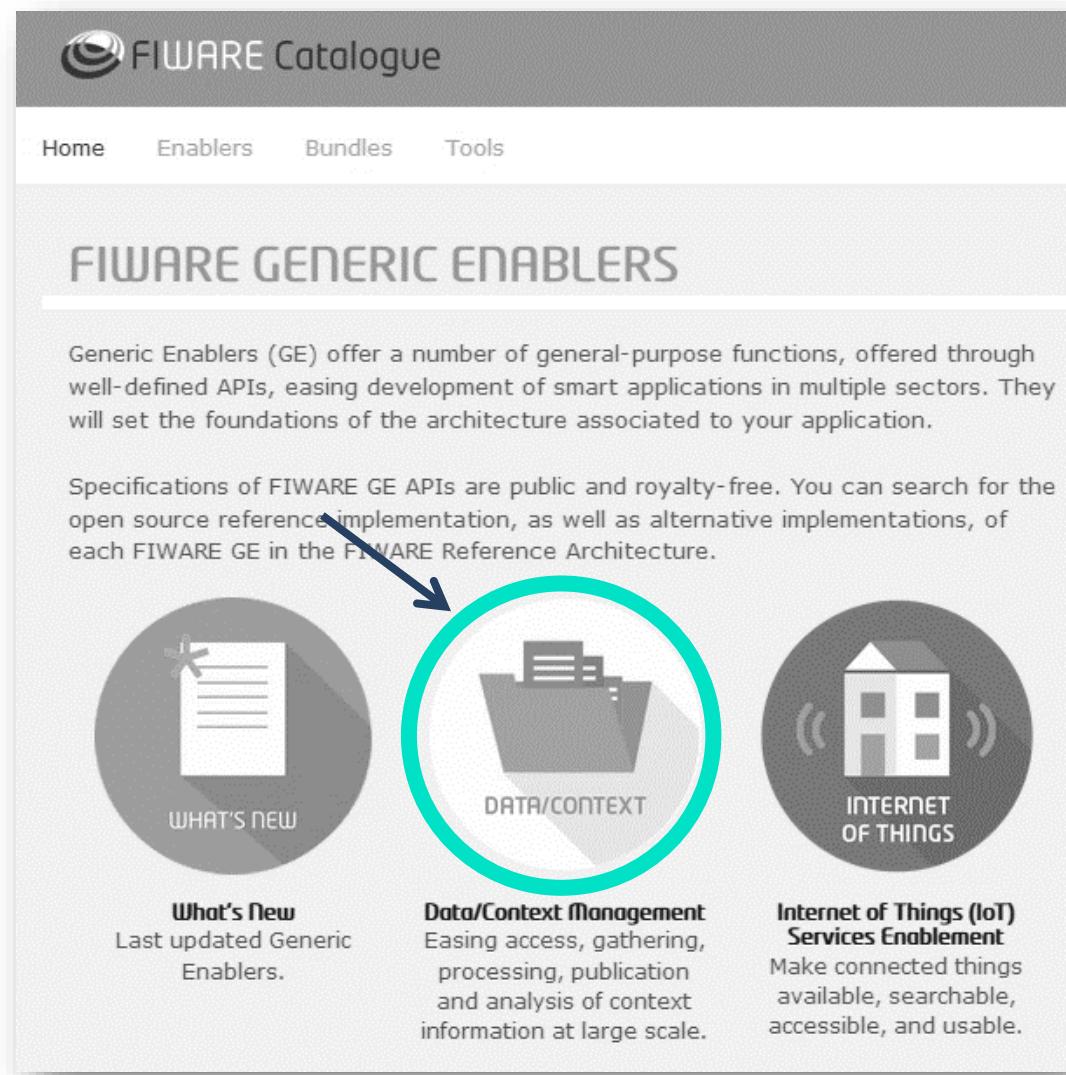
The screenshot shows the FIWARE Catalogue homepage with a navigation bar at the top featuring 'Home', 'Enablers', 'Bundles', and 'Tools'. The main content area is titled 'FIWARE GENERIC ENABLERS'. Below this, a text block explains that Generic Enablers (GE) offer general-purpose functions through well-defined APIs, easing development of smart applications in multiple sectors. It also mentions that GE API specifications are public and royalty-free, and that users can search for open source reference implementations and alternative implementations. The page then displays three circular icons representing different generic enablers: 'WHAT'S NEW' (pink background, document icon), 'DATA/CONTEXT' (grey background, folder icon), and 'INTERNET OF THINGS' (green background, house icon with signal waves).

WHAT'S NEW
Last updated Generic Enablers.

DATA/CONTEXT

INTERNET OF THINGS

Catálogo FIWARE



FIWARE Catalogue

Home Enablers Bundles Tools

FIWARE GENERIC ENABLERS

Generic Enablers (GE) offer a number of general-purpose functions, offered through well-defined APIs, easing development of smart applications in multiple sectors. They will set the foundations of the architecture associated to your application.

Specifications of FIWARE GE APIs are public and royalty-free. You can search for the open source reference implementation, as well as alternative implementations, of each FIWARE GE in the FIWARE Reference Architecture.

WHAT'S NEW

What's New
Last updated Generic Enablers.

DATA/CONTEXT

Data/Context Management
Easing access, gathering, processing, publication and analysis of context information at large scale.

INTERNET OF THINGS

Internet of Things (IoT) Services Enablement
Make connected things available, searchable, accessible, and usable.



Catálogo FIWARE

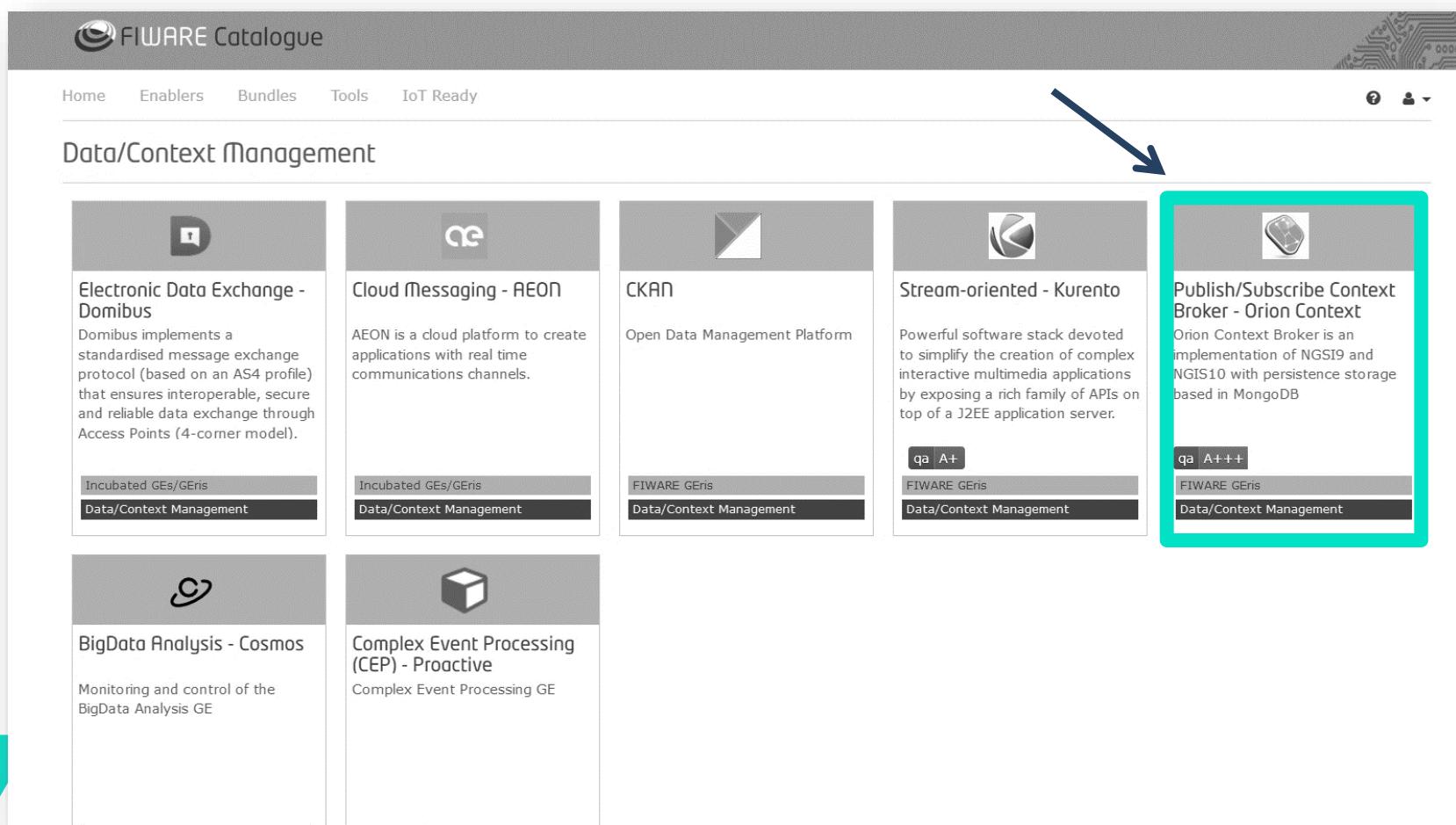
FIWARE Catalogue

Home Enablers Bundles Tools IoT Ready

Data/Context Management

 Electronic Data Exchange - Domibus Domibus implements a standardised message exchange protocol (based on an AS4 profile) that ensures interoperable, secure and reliable data exchange through Access Points (4-corner model). Incubated GE/GEris Data/Context Management	 Cloud Messaging - AEON AEON is a cloud platform to create applications with real time communications channels. Incubated GE/GEris Data/Context Management	 CKAN Open Data Management Platform FIWARE GEris Data/Context Management	 Stream-oriented - Kurento Powerful software stack devoted to simplify the creation of complex interactive multimedia applications by exposing a rich family of APIs on top of a J2EE application server. qa A+ FIWARE GEris Data/Context Management	 Publish/Subscribe Context Broker - Orion Context Orion Context Broker is an implementation of NGSI9 and NGSI10 with persistence storage based in MongoDB qa A++ FIWARE GEris Data/Context Management
 BigData Analysis - Cosmos Monitoring and control of the BigData Analysis GE	 Complex Event Processing (CEP) - Proactive Complex Event Processing GE			

Catálogo FIWARE



FIWARE Catalogue

Home Enablers Bundles Tools IoT Ready

Data/Context Management

 Electronic Data Exchange - Domibus

Domibus implements a standardised message exchange protocol (based on an AS4 profile) that ensures interoperable, secure and reliable data exchange through Access Points (4-corner model).

Incubated GEs/GERis
Data/Context Management

 Cloud Messaging - AEON

AEON is a cloud platform to create applications with real time communications channels.

Incubated GEs/GERis
Data/Context Management

 CKAN

Open Data Management Platform

FIWARE GErис
Data/Context Management

 Stream-oriented - Kurento

Powerful software stack devoted to simplify the creation of complex interactive multimedia applications by exposing a rich family of APIs on top of a J2EE application server.

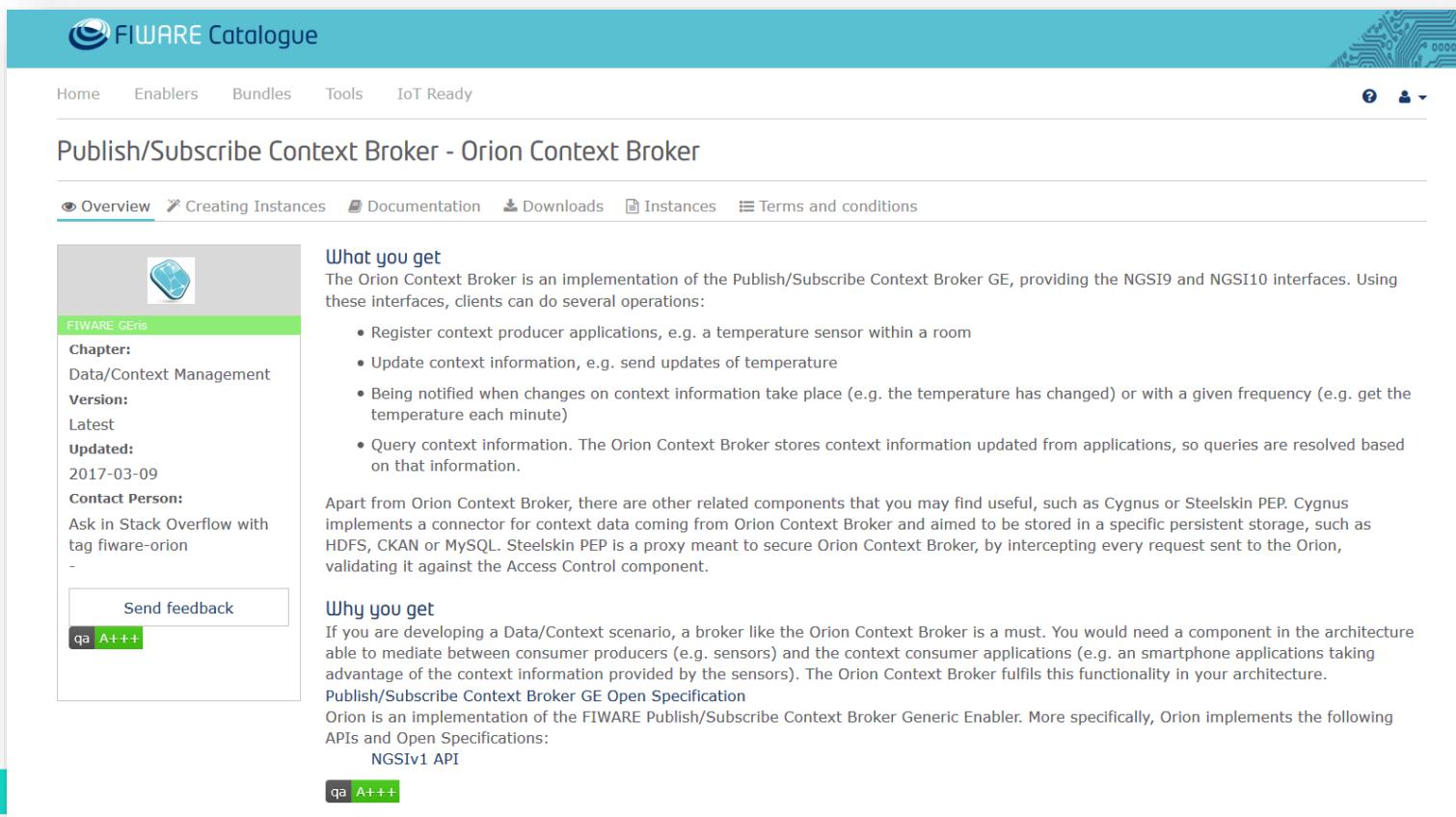
qa A+
FIWARE GErис
Data/Context Management

 Publish/Subscribe Context Broker - Orion Context

Orion Context Broker is an implementation of NGSI9 and NGSI10 with persistence storage based in MongoDB

qa A+++
FIWARE GErис
Data/Context Management

Catálogo FIWARE

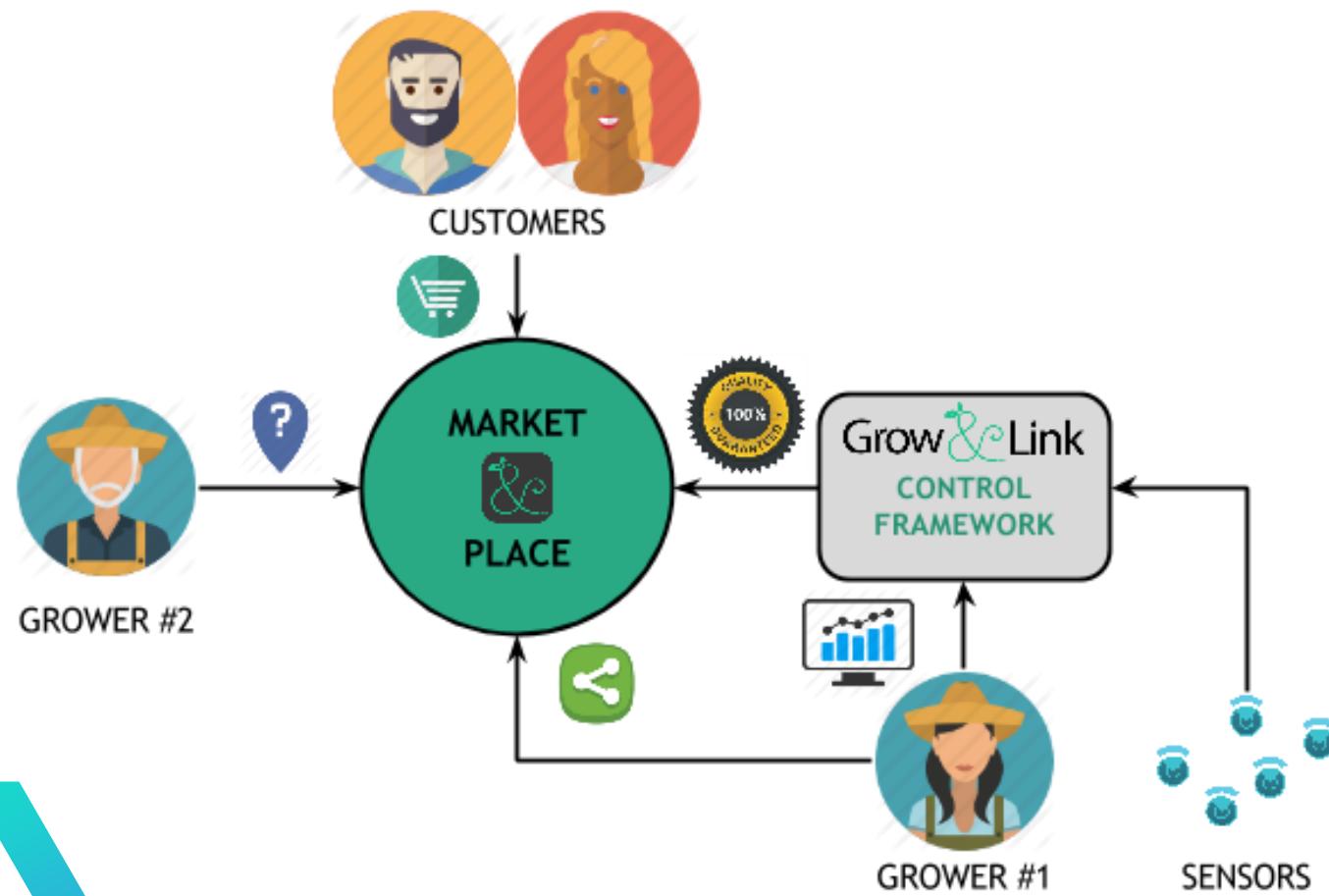


The screenshot shows the FIWARE Catalogue interface. At the top, there is a navigation bar with links for Home, Enablers, Bundles, Tools, and IoT Ready. On the right side of the top bar are icons for search, user profile, and a dropdown menu. Below the navigation bar, the page title is "Publish/Subscribe Context Broker - Orion Context Broker". Underneath the title, there are several tabs: Overview (which is selected and highlighted in blue), Creating Instances, Documentation, Downloads, Instances, and Terms and conditions. The main content area is titled "What you get". It contains a brief description of the Orion Context Broker as an implementation of the Publish/Subscribe Context Broker GE, providing NGSI9 and NGSI10 interfaces. It lists several operations that clients can perform: registering context producer applications, updating context information, being notified of changes, and querying context information. Below this, there is a section about related components like Cygnus and SteelSkin PEP, and a detailed description of the Orion Context Broker's role in a Data/Context scenario. At the bottom of the main content area, there is a "Send feedback" button and a "qa A+++" button. The left sidebar contains a sidebar header with a small icon, a "FIWARE GEris" section, and a "Chapter:" section with "Data/Context Management". It also includes "Version:" (Latest), "Updated:" (2017-03-09), and "Contact Person:" (Ask in Stack Overflow with tag fiware-orion). At the bottom of the sidebar, there is a "Send feedback" button and a "qa A+++" button.

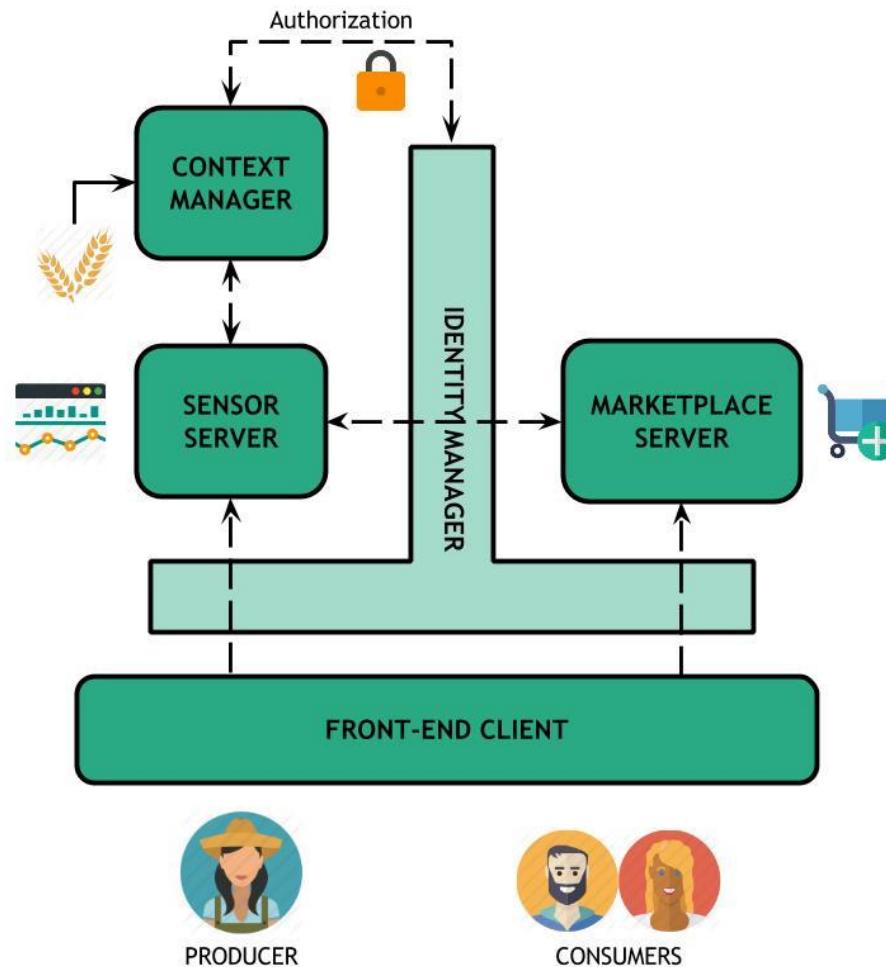


CASO PRÁCTICO

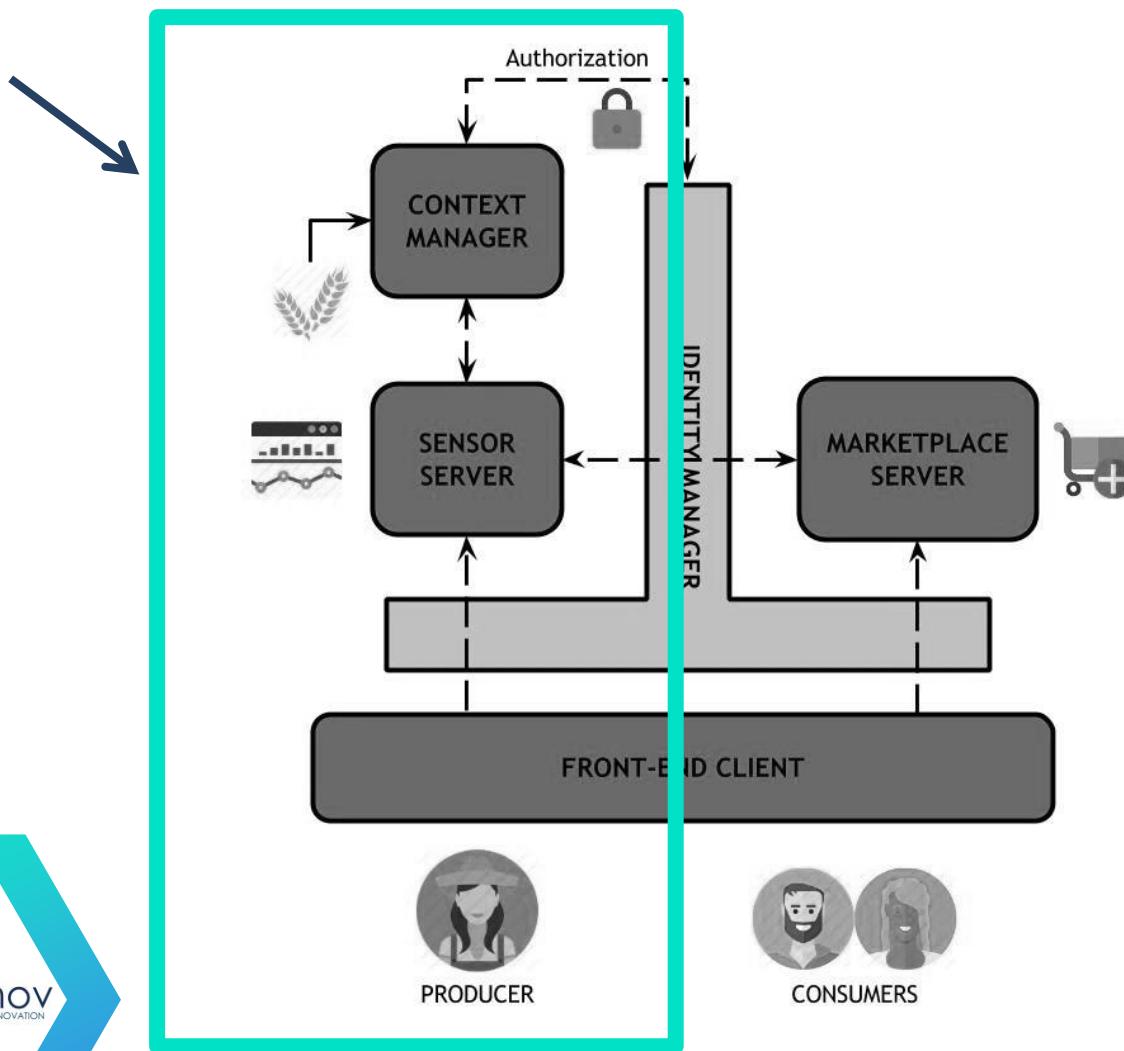
Contexto



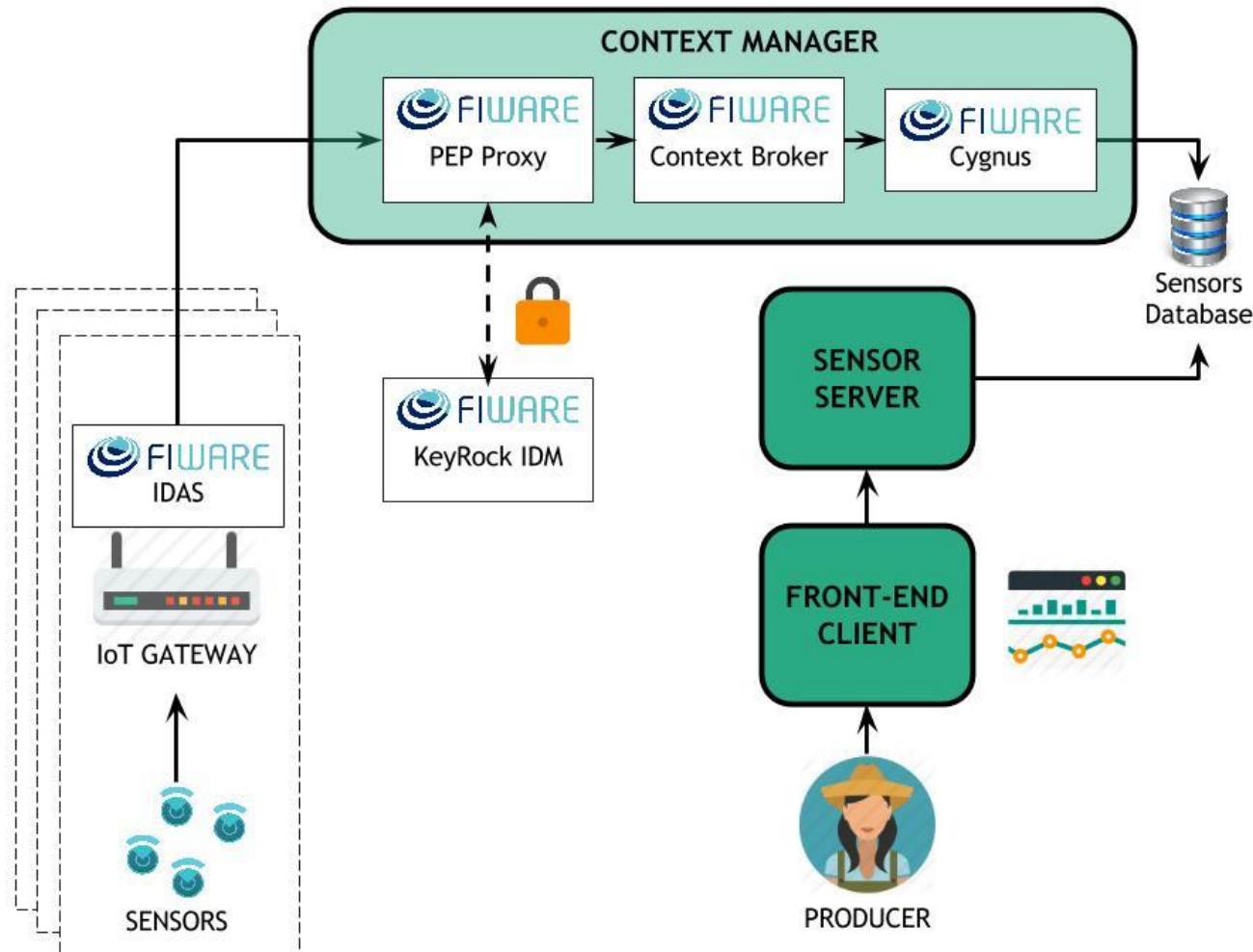
Escenario: Sistema Soporte Agrícola



Escenario: Sistema Soporte Agrícola



Solución usando FIWARE



FIWARE MARKET PLACE



Powered by
 FIWARE





Powered by
FIWARE **INSYLO**





Powered by
 FIWARE

SMARTAPPCITY

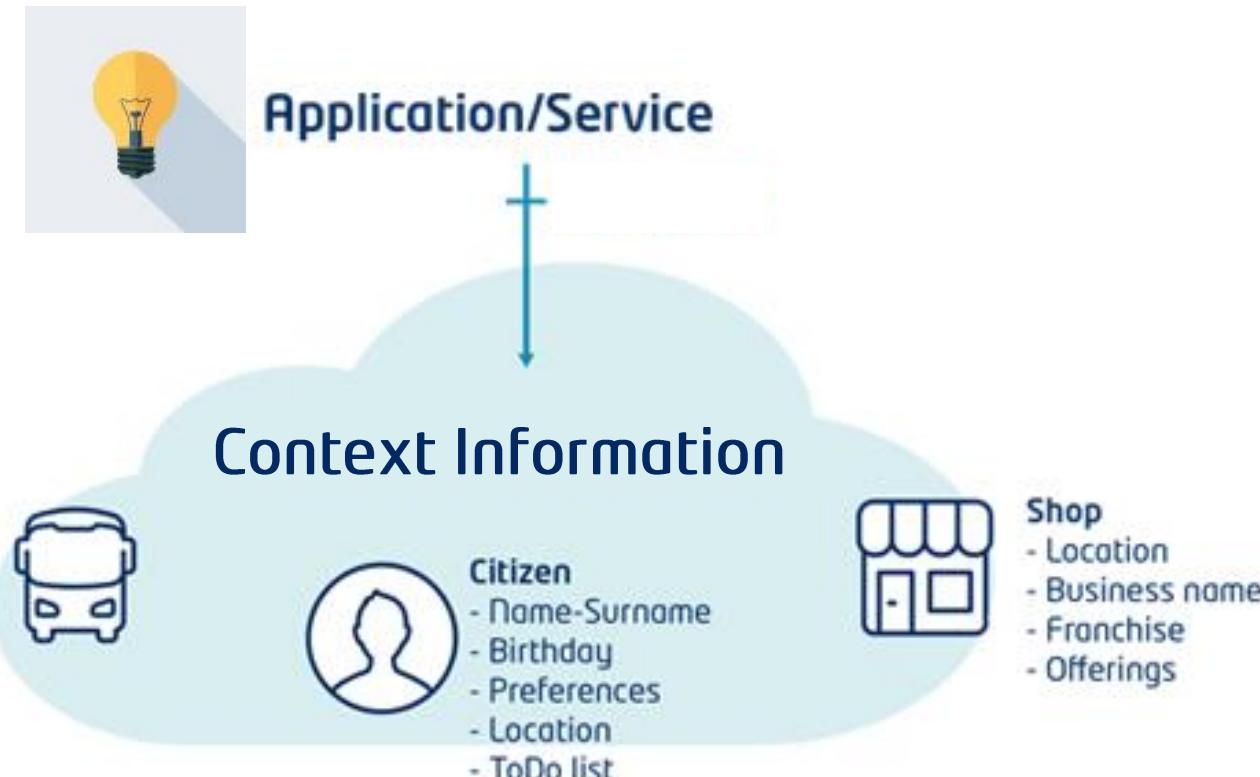




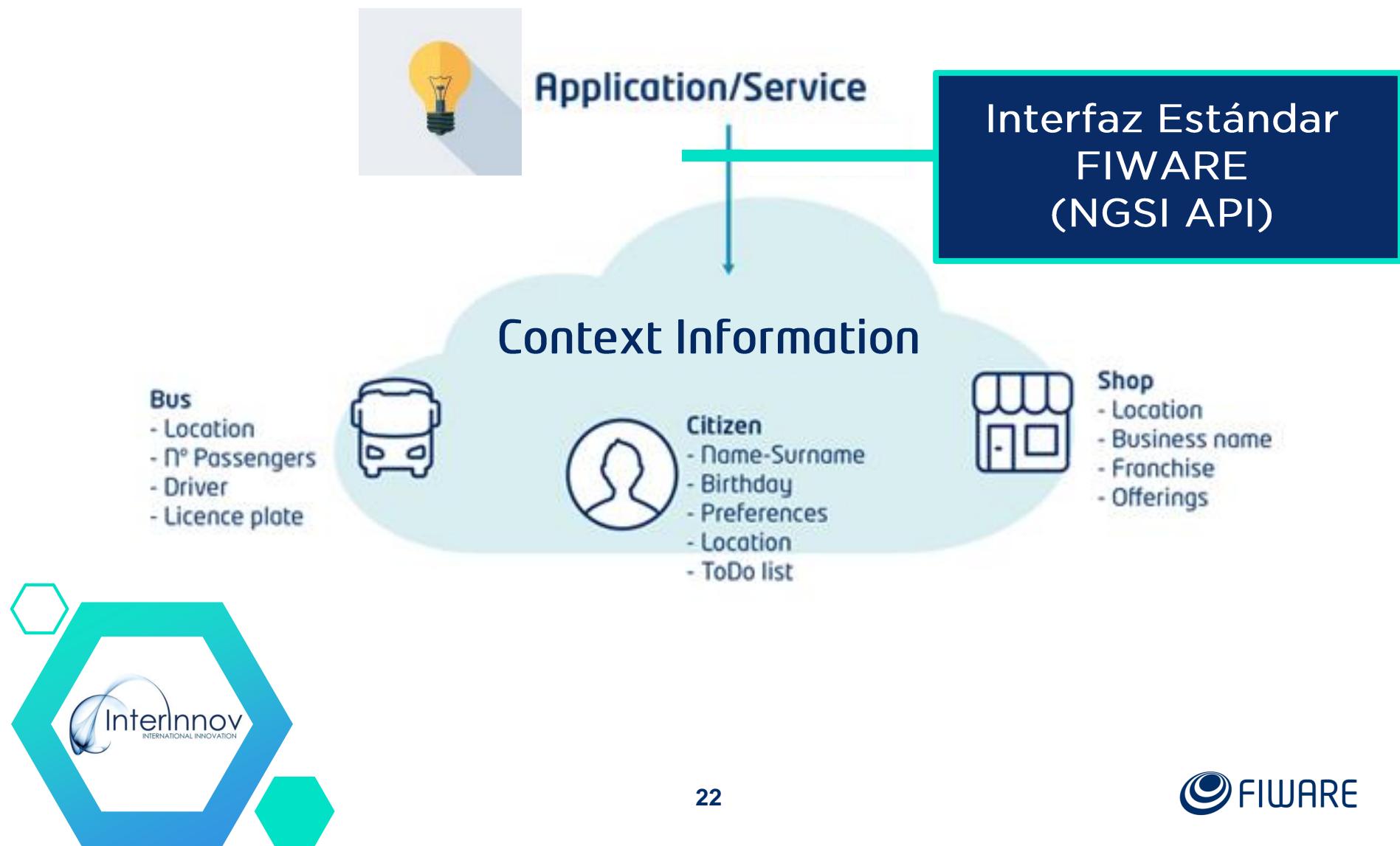
FIWARE + Ciudades Inteligentes



Ser “Inteligente” es ser “Consciente”



Ser “Inteligente” es ser “Consciente”



Beneficios para las ciudades

**Open
Innovation**

**Sin
restricción
vendedor**

**Reducción
Coste**



Beneficios para la proveedores de soluciones

Inversión sostenible

Interoperabilidad

Portabilidad



Manifiesto Ciudad como Plataforma

- Cooperación entre industria y sector público
- Medios de innovación para ecosistemas locales de start-ups y empresas
- Visión neutra, utilizando estándares abiertos y mejores prácticas
- Replicabilidad de servicios y datos





FIWARE ZONE





Aceleración Proyectos



Creación Ecosistemas



Cursos Innovación+



FIWARE
CAN
MAKE IT
EASY

Jose Gonzalez

Responsable Cooperación Internacional

jgonzalez@interinnov.eu