



FIWARE INTRODUCTION

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WHAT IS FIWARE?



ONE ECOSYSTEM



FIWARE Ecosystem in numbers

A background network diagram consisting of a complex web of interconnected nodes and lines, rendered in shades of gray and blue, creating a sense of a global or digital network.

\$500M
Investment

42
Open Source
Services

100+
Cities

1000+
Business
Ideas

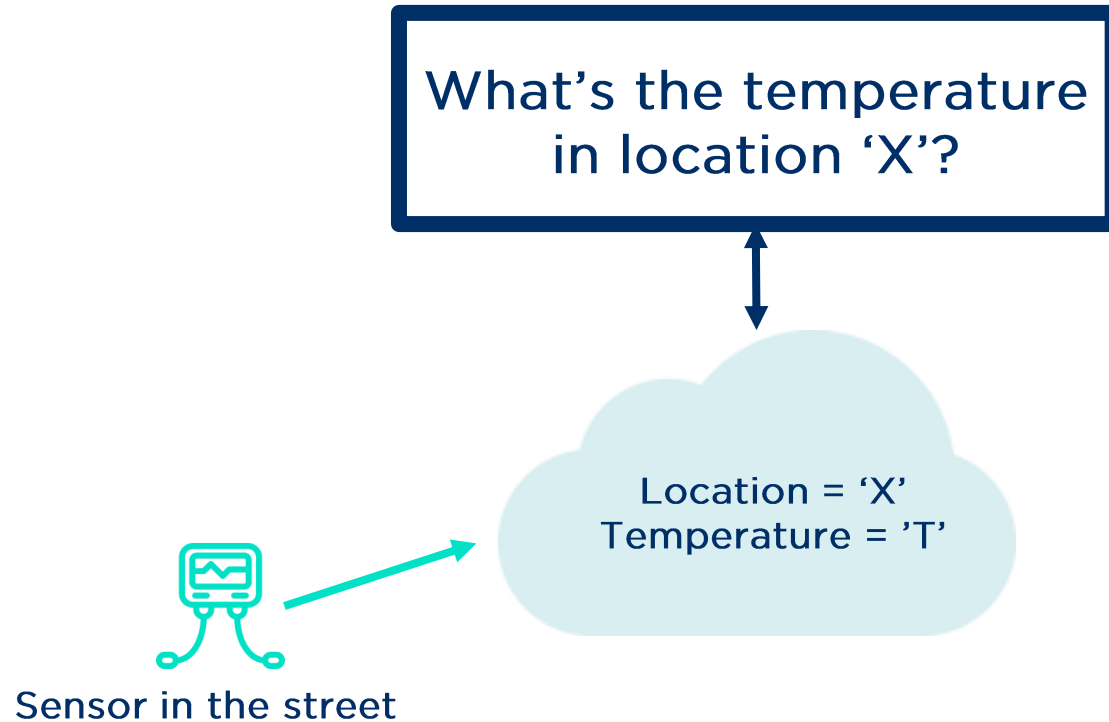
1
Standard
Interface

\$20M
Funding
raised

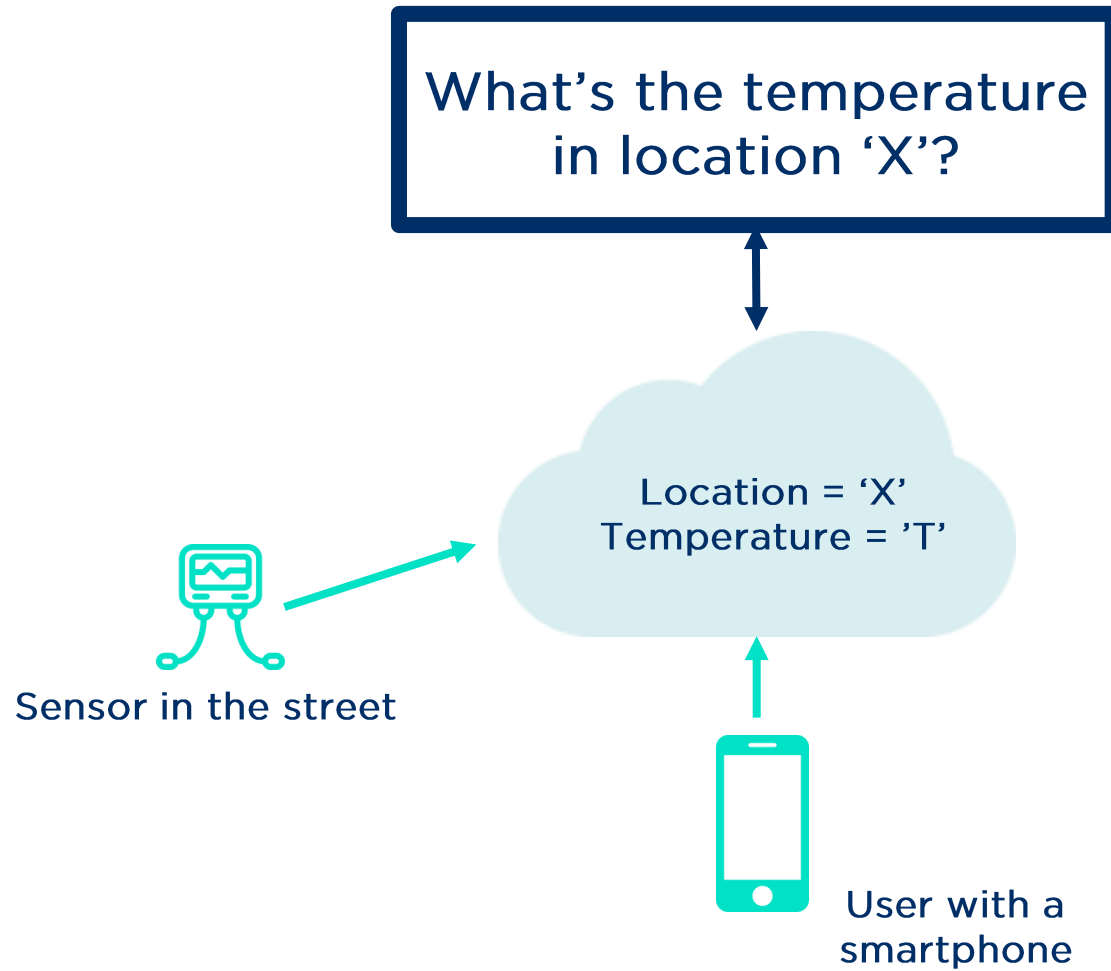


PRINCIPLES

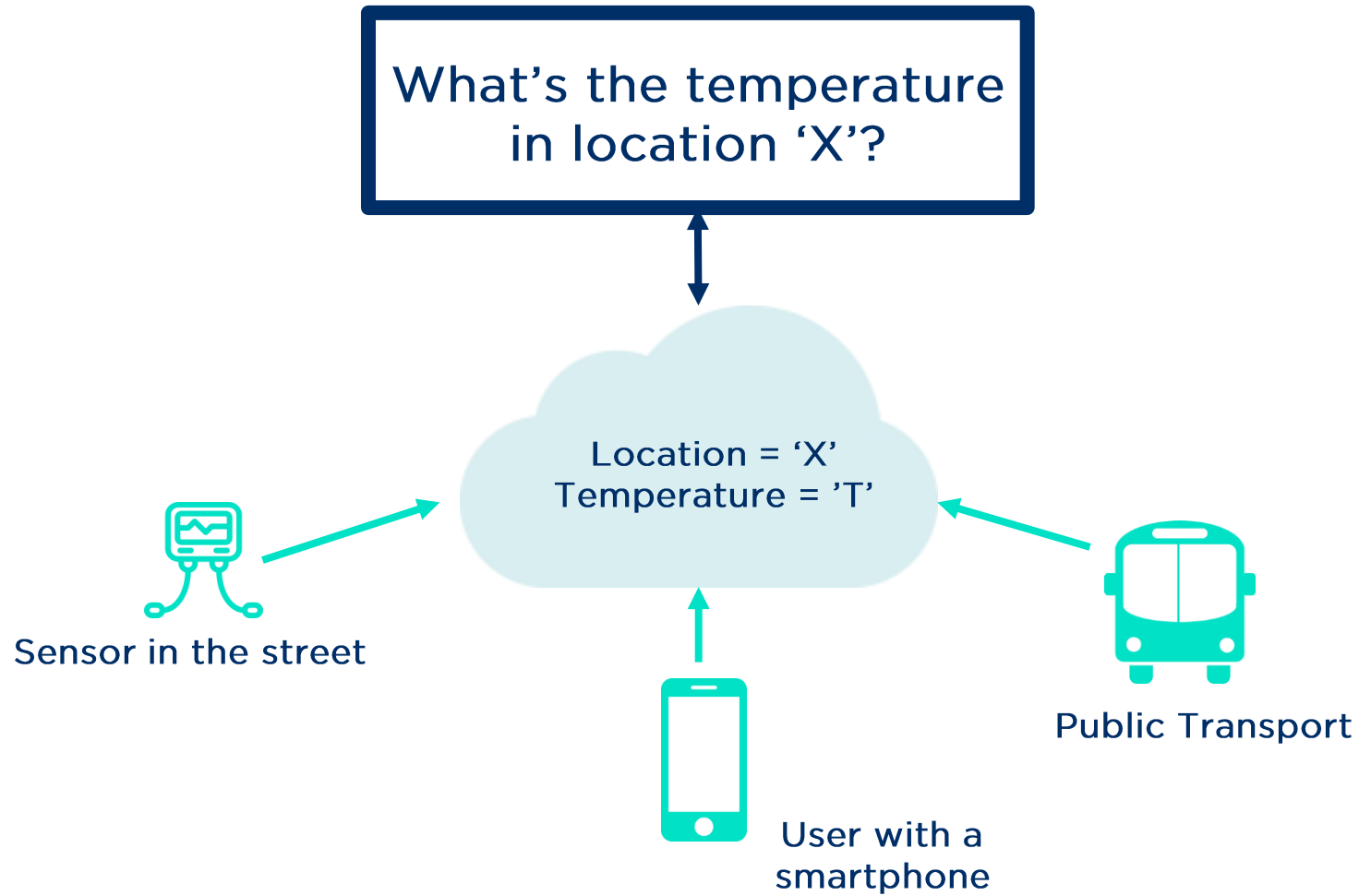
Multiple sources of information



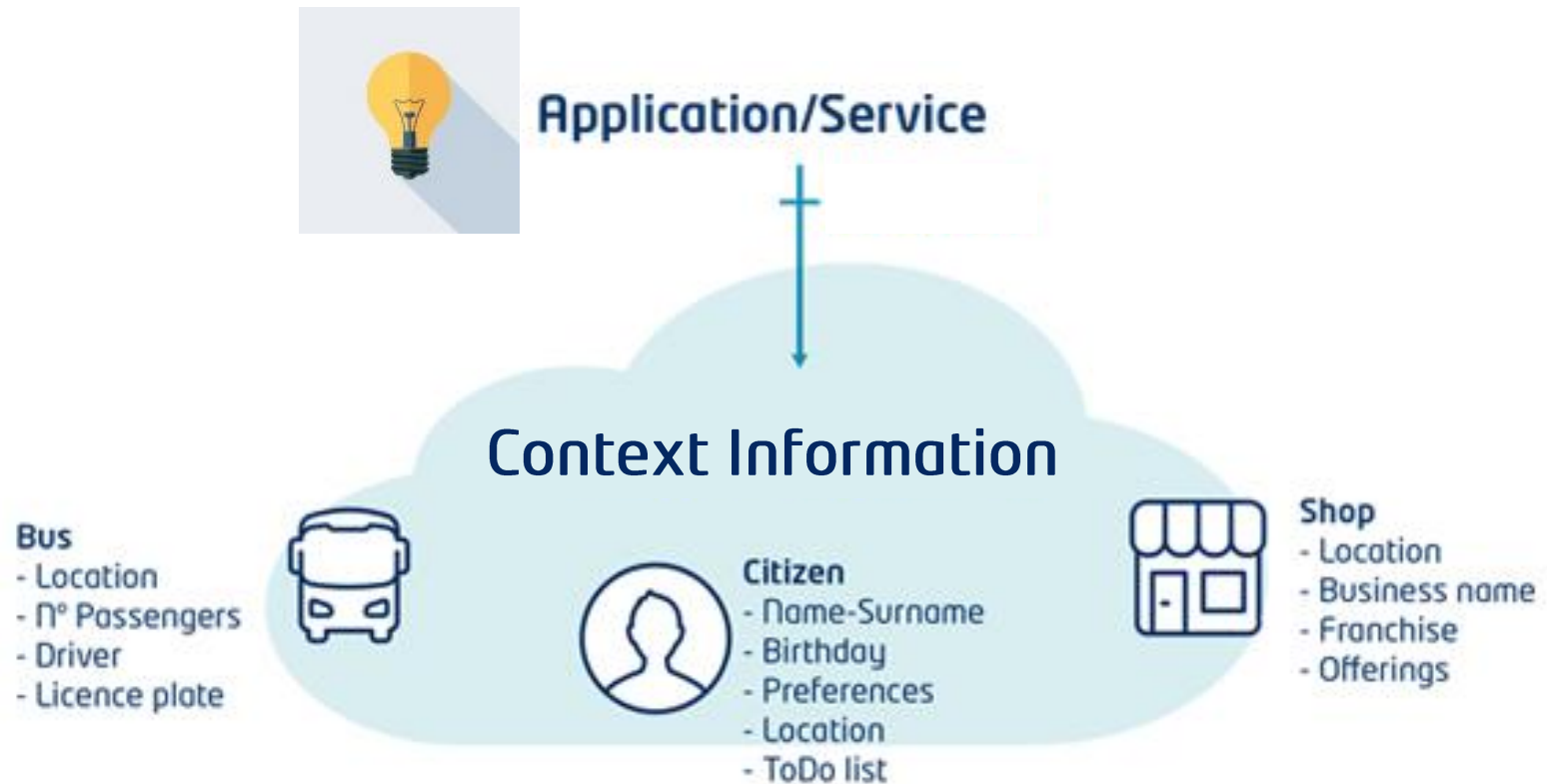
Multiple sources of information



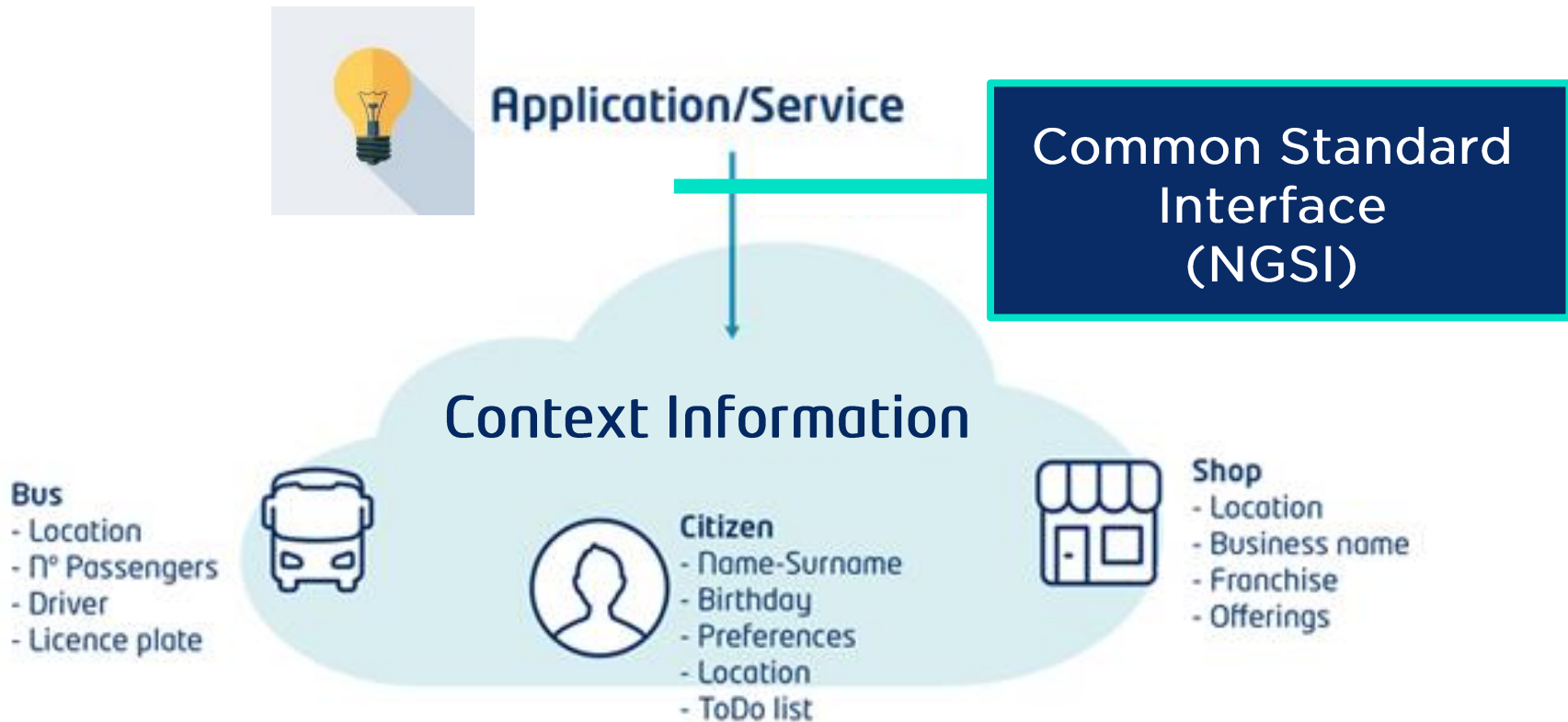
Multiple sources of information



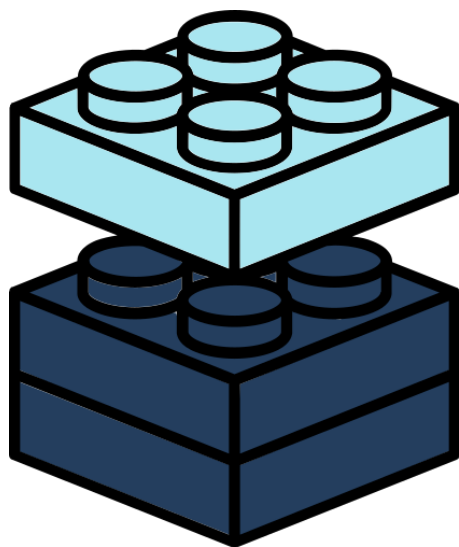
To be “Smart” means to be “Aware”



To be “Smart” means to be “Aware”



FIWARE Service



Standard Interface (NGSI)

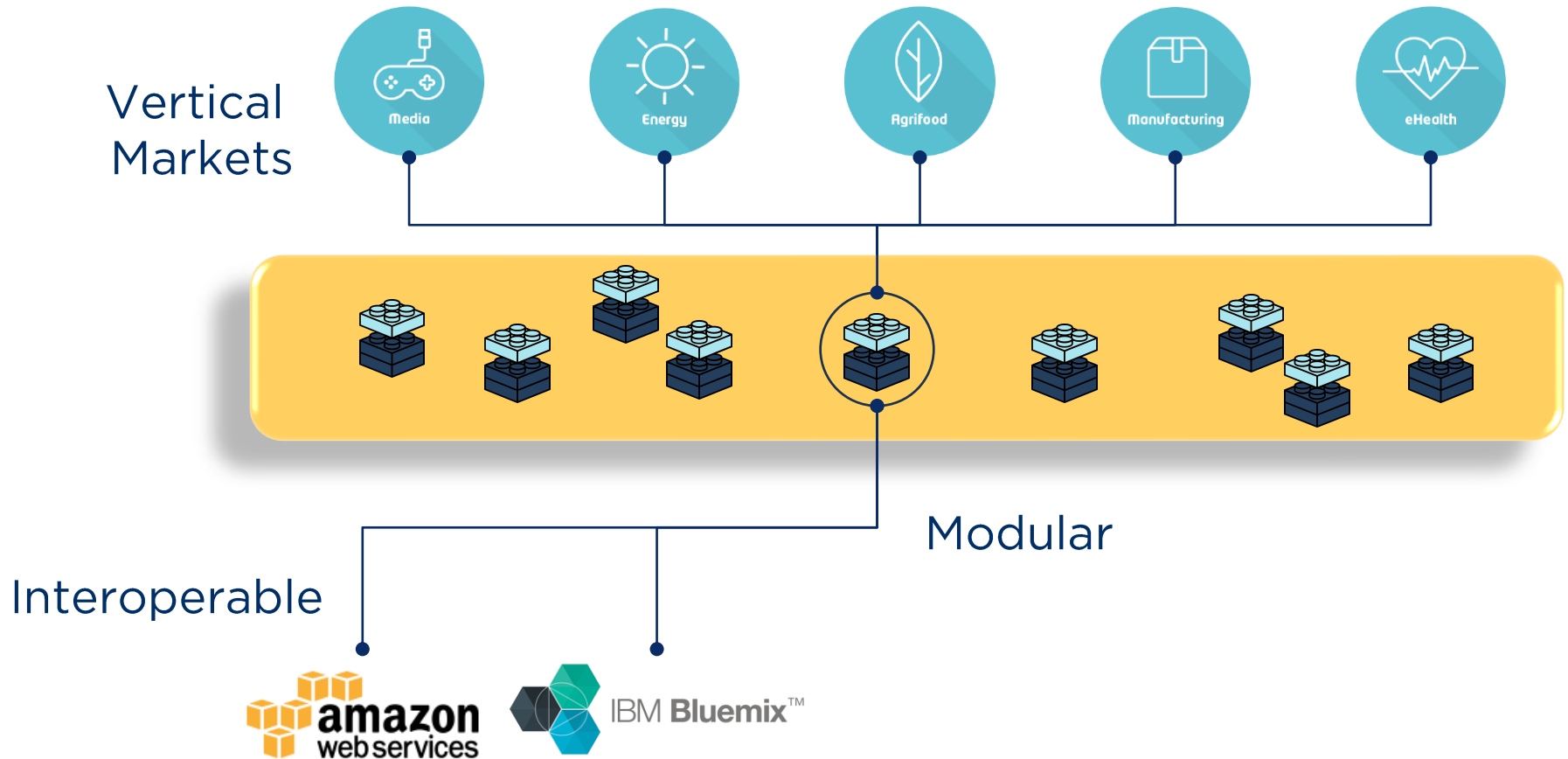
Open Source Technology



FIWARE Platform

42

Open Source
Services



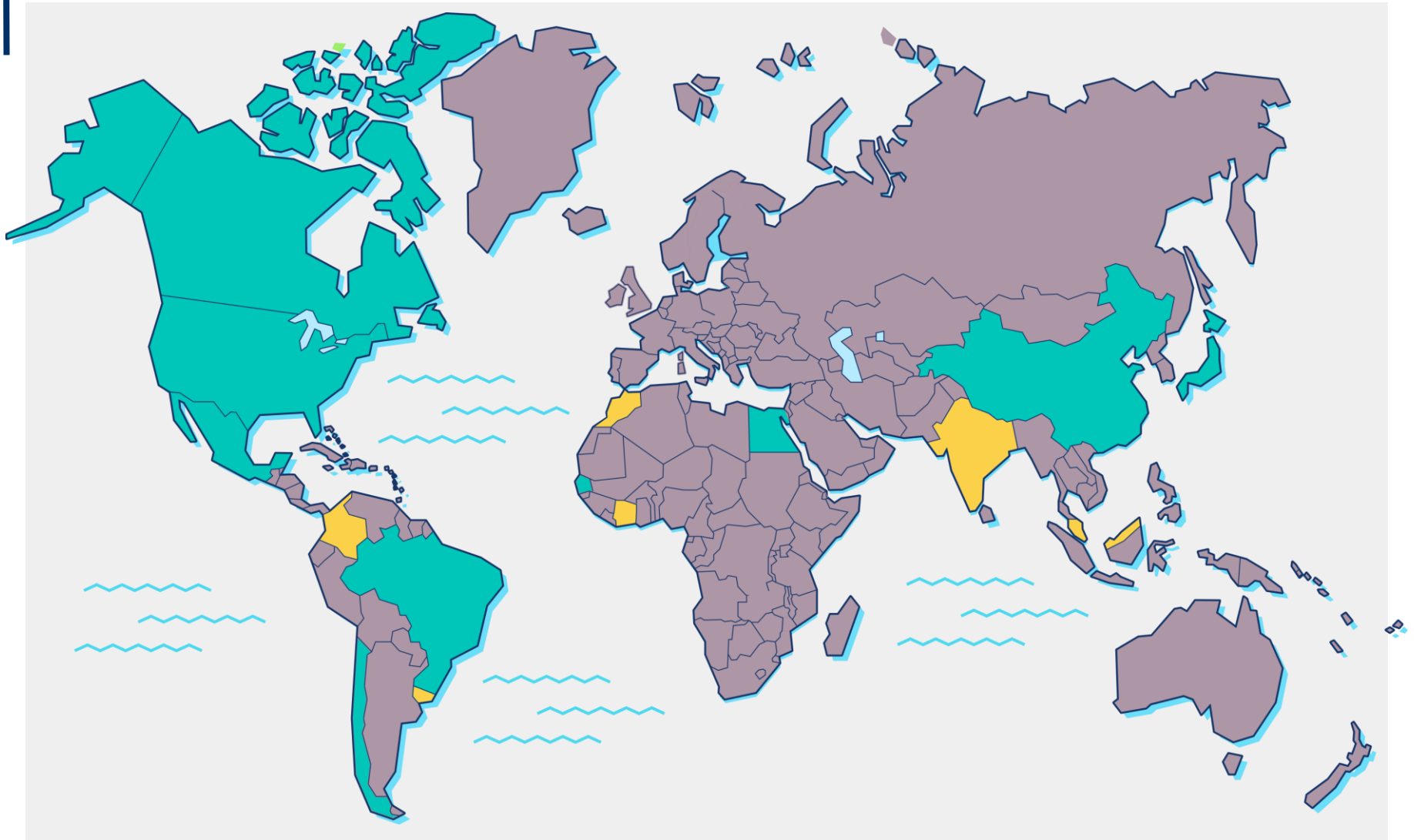
Benefits of the approach

**Open
Innovation**

**No vendor
lock-in**

**Cost
Reduction**

International Impact: FIWARE Mundus



FIWARE MARKET PLACE



Powered by FIWARE
Solutions



Powered by FIWARE
Platforms



FIWARE-Ready IoT
devices



FIWARE-Ready
software enablers



Training and
Coaching services



Consultancy and
technology services

Smart Solutions rely on FIWARE standards to manage context information at large scale. They use FIWARE technologies to gather Context Information (coming from different and highly distributed sources such as end users, sensor networks and all kind of information systems including social networks) and process it in order to perform smart actions.



FOODER

Want to break from the norm and discover new tastes? Fooder is the answer. You swipe right to "like", left to "dislike". Fooder remembers your choices and notifies you when the liked fine food products are for sale nearby.

[Details](#)



WiseTown

WiseTown uses crowd-sourcing, open data, IoT and social to provide decision support systems to city managers and to improve citizens' quality of life.

[Details](#)



Agricolus

Making Precision farming easier! Agricolus make agTech tools accessible to worldwide farmers and, with Agritrack, to consumers too

[Details](#)



Cloud City Operations Center (CCOC)

CCOC acts as the 'brain' of the city, able to "listen" and "comprehend" what is happening all over the city to thus make better decisions and provide the right information to its inhabitants.



FIWARE + ENERGY

FISMEP Initiative



MOTIVATION

- The energy sector has an increasing need for flexibility
- Integration of renewable and decentralized energy

GOAL

- Smart Energy Platform
- Operate efficient, automated and sustainable energy supply for single buildings as well as municipalities
- 3 Field Tests: Sweden, Germany, Romania

Test Field: Sweden



2 SCENARIOS

- Smart City Scenario (City of Malmö)
- Living Lab on University Campus

DESCRIPTION

- A number of households will be connected to a smart grid platform
- Manage various energy sources (electric + thermal)

OBJECTIVE

- Influence user behavior towards a lower energy consumption



Test Field: Germany



SCENARIO

- Medium Voltage Research Grid (voltage 5 kV, installed capacity of 6.2 MW and total length of about 1.4 miles)

DESCRIPTION

- Implementation of a multi-terminal DC grid
- Hybrid automation for DC and AC grid
- Virtualization concept, design and implementation

OBJECTIVE

- Bring utility closer to companies from the energy sector. New energy services and business ideas by using FIWARE





**FIWARE
CAN
MAKE IT
EASY**

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