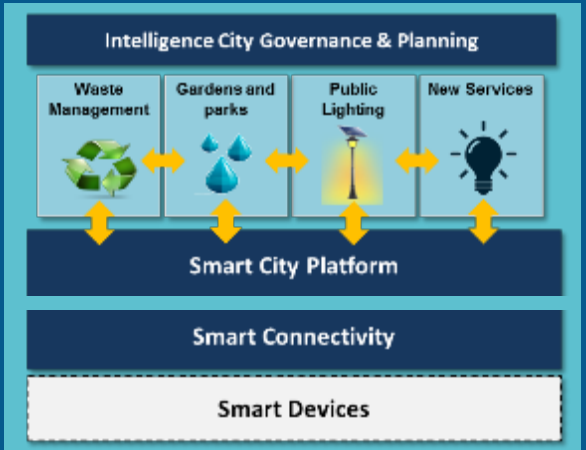
0 1 2 3 4

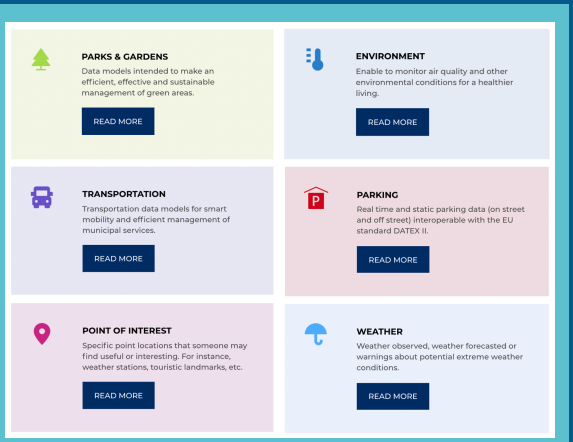
## Truly Smart

- Breaking information silos through shared context data space with standard API
- Enabling Overall City-level Governance Solutions




## Common information models

- No costs of adaptation to achieve full interoperability among systems in the city
- Enabling portability of systems across cities




## Unleashing Right-time Open Data

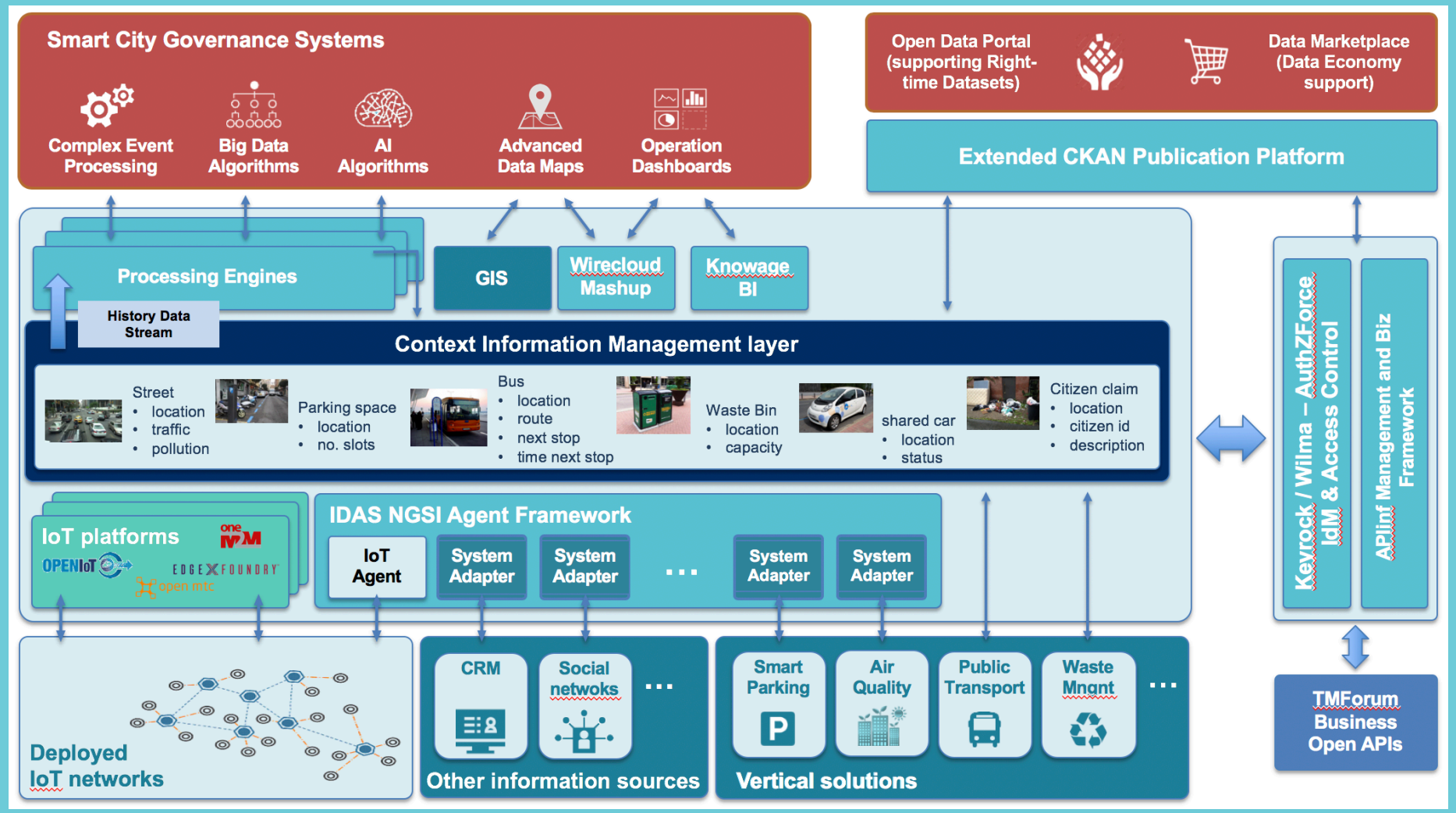
- Right-time context info published to third parties
- Authorization and access control (API management)
- Open innovation ecosystem

## Enabling the Data Economy

- City as a platform including also 3rd party data enabling innovative business models
- Open and commercial data enabling multi-side markets

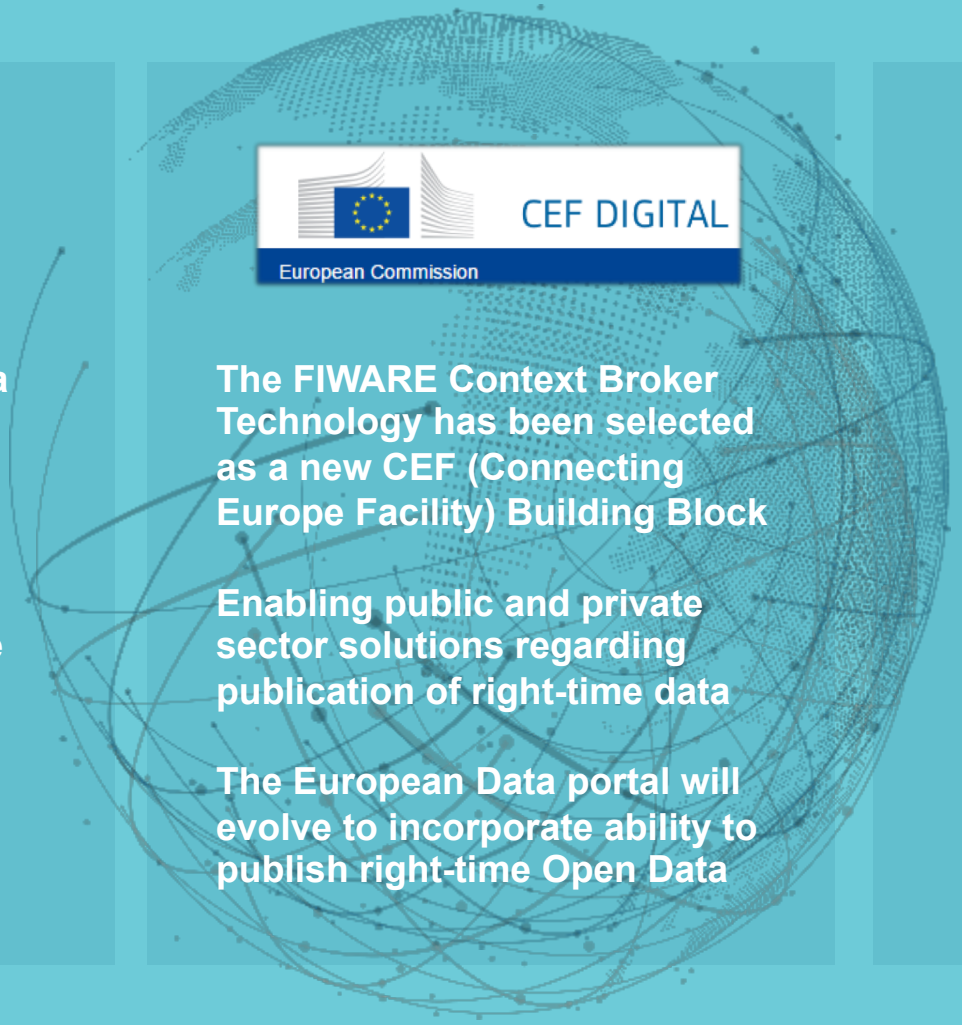
FIWARE

# FIWARE: enabling the Smart City Reference Architecture




- Breaking silos of information
- Enabling publication of right-time datasets to 3rd parties
- Supporting the Economy of Data
- Multiple options leading to hybrid platform solutions
- Avoiding vendor lock-in

# Endorsement of FIWARE Context Broker technology



The GSMA has published a Reference Architecture for IoT Big Data Ecosystem which recommends to mobile operators

FIWARE NGSIv2 should be supported by implementers delivering the IoT Big Data ecosystem

The FIWARE Context Broker Technology has been selected as a new CEF (Connecting Europe Facility) Building Block

Enabling public and private sector solutions regarding publication of right-time data

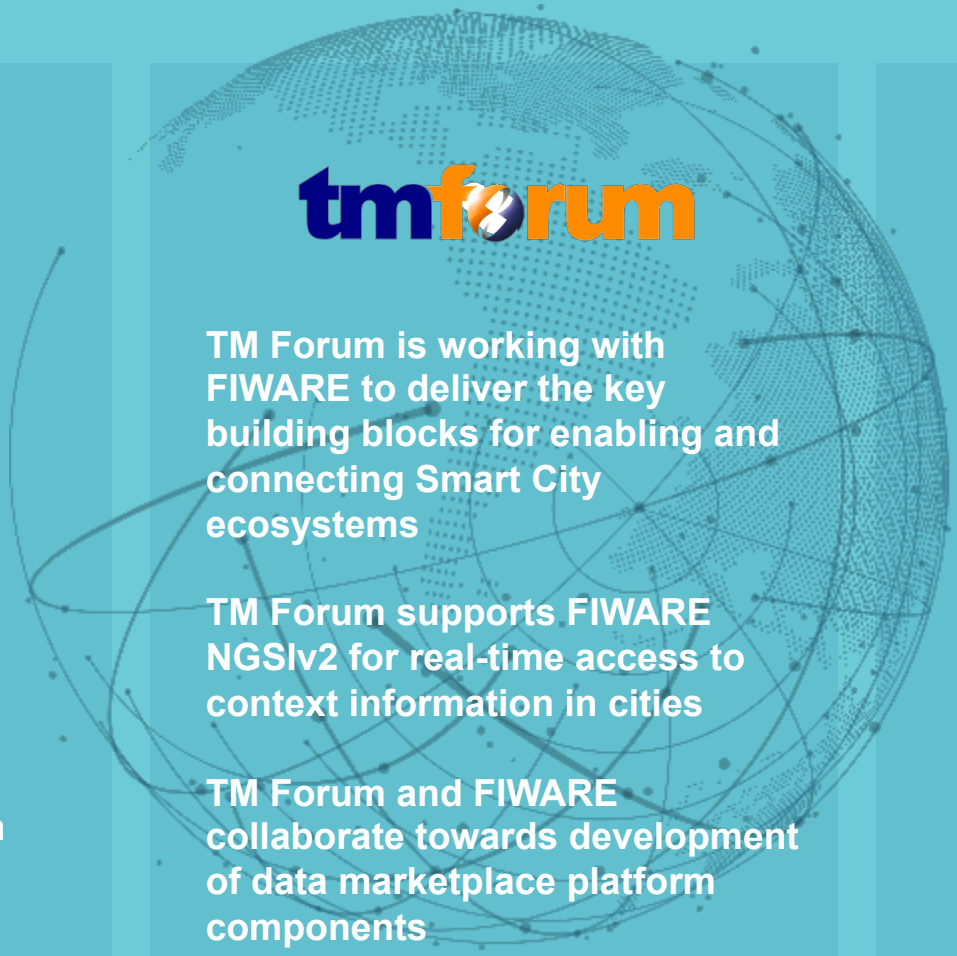
The European Data portal will evolve to incorporate ability to publish right-time Open Data

ETSI created Jan 2017 a new Industry Specification Group on cross-sector Context Information Management (ISG CIM) for smart cities applications and beyond.

FIWARE NGSIv2 was the starting point for the CIM API to be specified: NGSI-LD

FIWARE Context Broker to support NGSI-LD in the future

# Endorsement of FIWARE Context Broker technology



OPEN & AGILE SMART CITIES

Involving 117+ cities in 24+ countries.

All of them agree to foster adoption of common principles:

- Common API: FIWARE NGSIv2
- Compatible Open Data Publication platforms
- Collaboration in definition of data models

tmforum

TM Forum is working with FIWARE to deliver the key building blocks for enabling and connecting Smart City ecosystems

TM Forum supports FIWARE NGSIv2 for real-time access to context information in cities

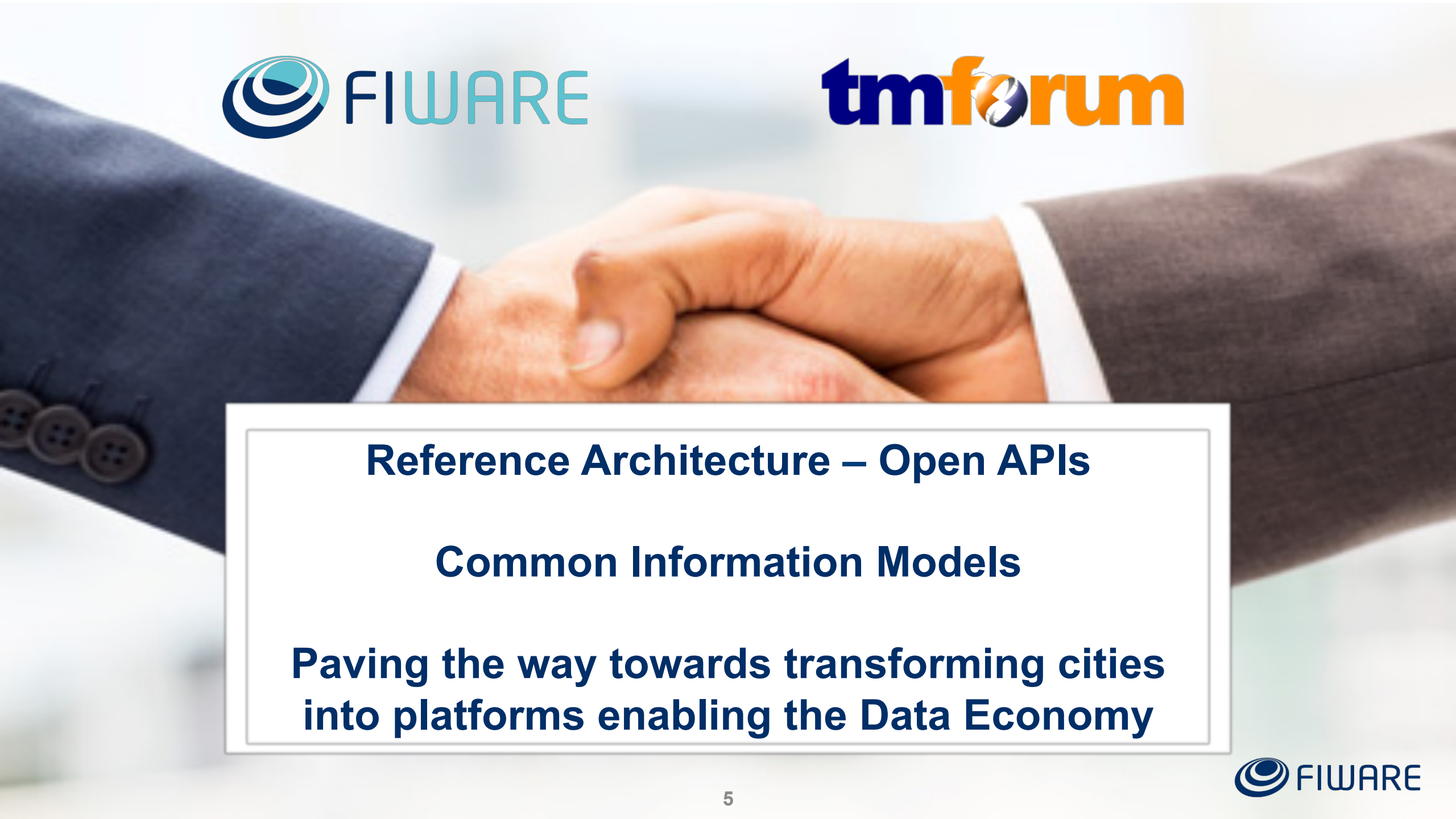
TM Forum and FIWARE collaborate towards development of data marketplace platform components

NIST
National Institute of Standards and Technology

Identified as one of the most relevant Smart Cities Platform initiatives with a global footprint within the IES-City (IoT-Enabled Smart City) Framework



FIWARE



# Reference Architecture – Open APIs

# Common Information Models

# Paving the way towards transforming cities into platforms enabling the Data Economy

DREAM BIG
IT WORKS
FIWARE
http://www.fiware.org

# Thank you!

http://fiware.org
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Juanjo Hierro
FIWARE Foundation CTO
juanjose.hierro@fiware.org
www.slideshare.net/JuanjoHierro