TRAINING

Connecting to the IoT

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FIWARE

Connecting IoT Devices to FIWARE

www.fiware.org
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FIWARE: Tecnology for Smart*

#SmartAgrifood

#SmartCities

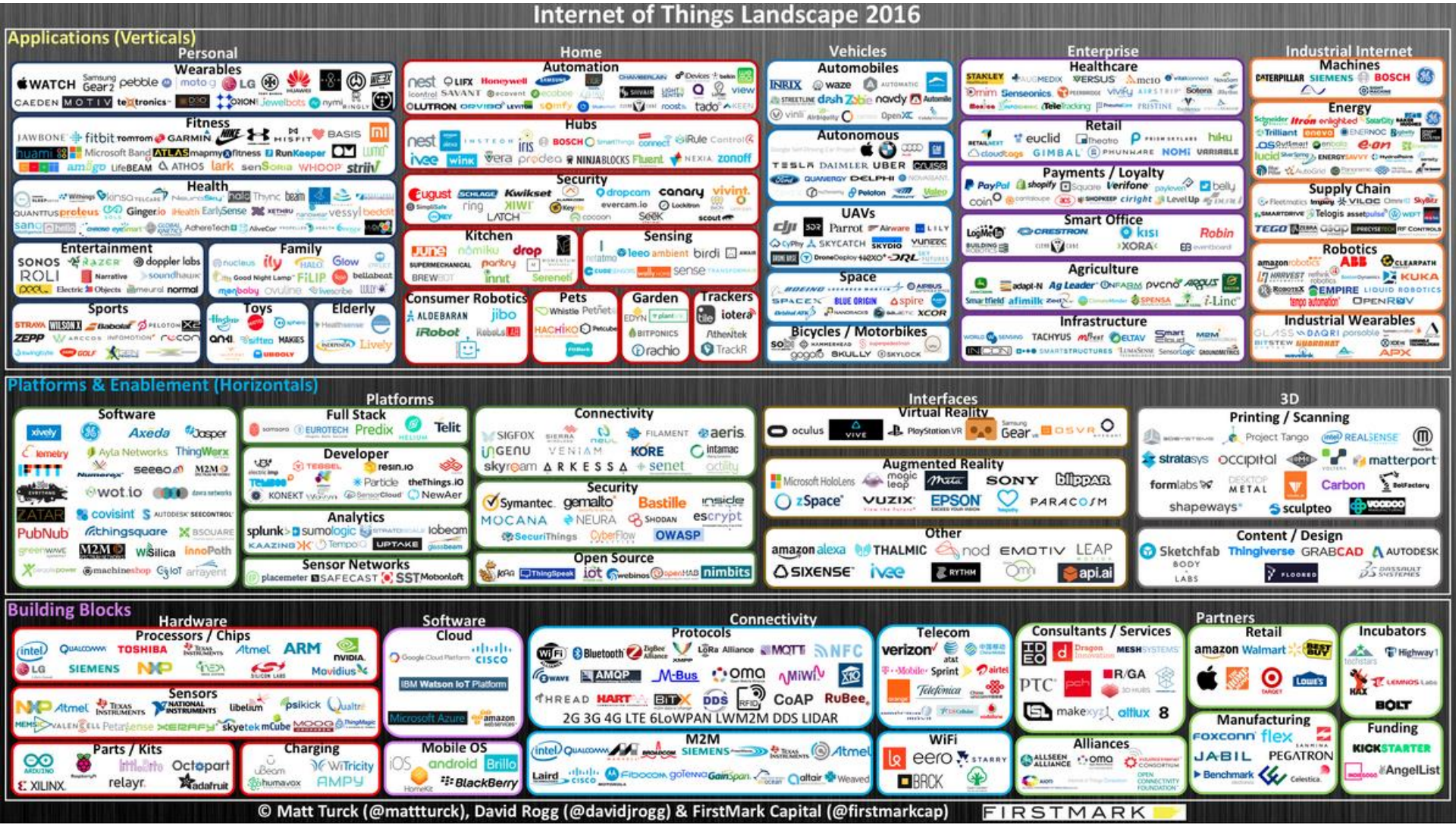
FIWARE

NGSI CONTEXT INFORMATION

#SmartRegions

#SmartIndustry

IoT Interoperability ? Still a $1,000,000 question



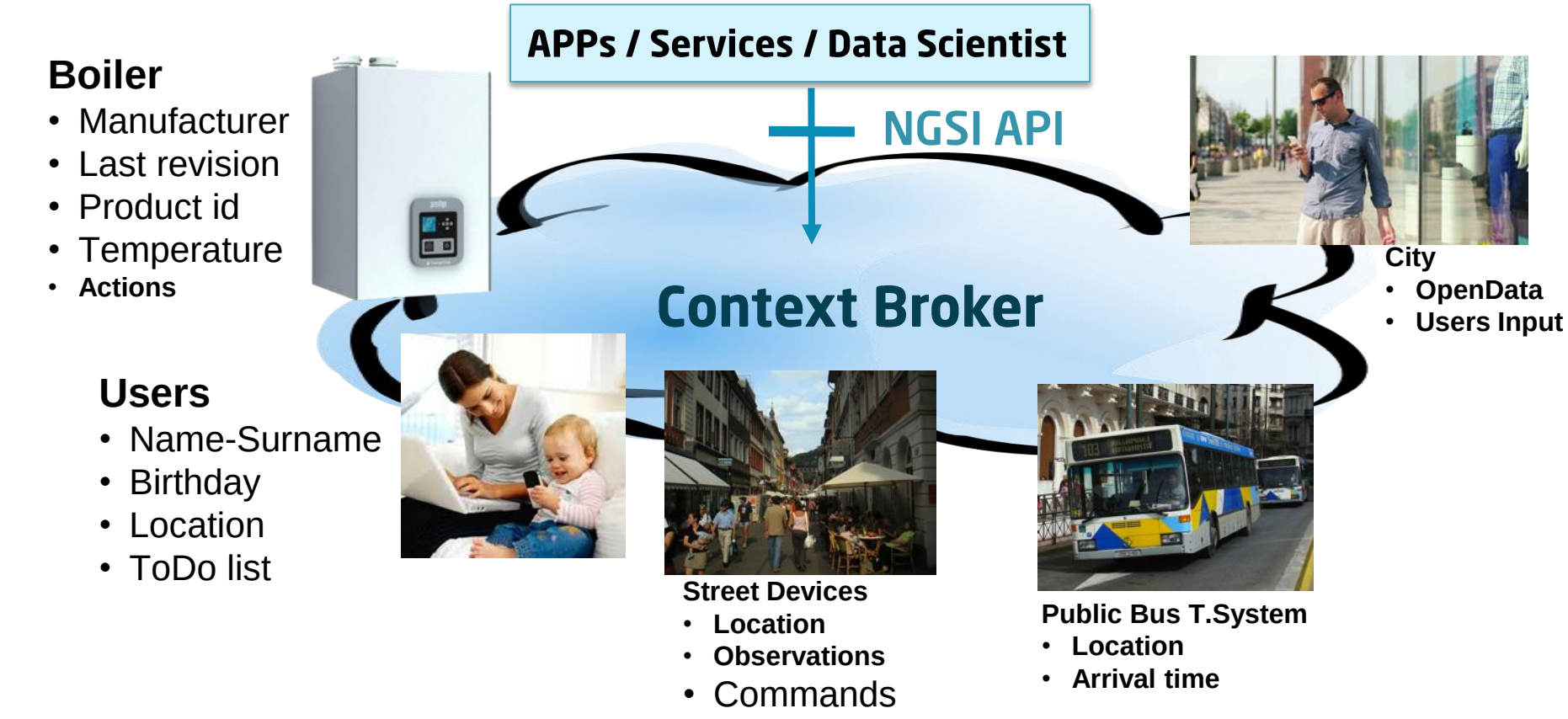
FIWARE

FIWARE Lab FIWARE Ops

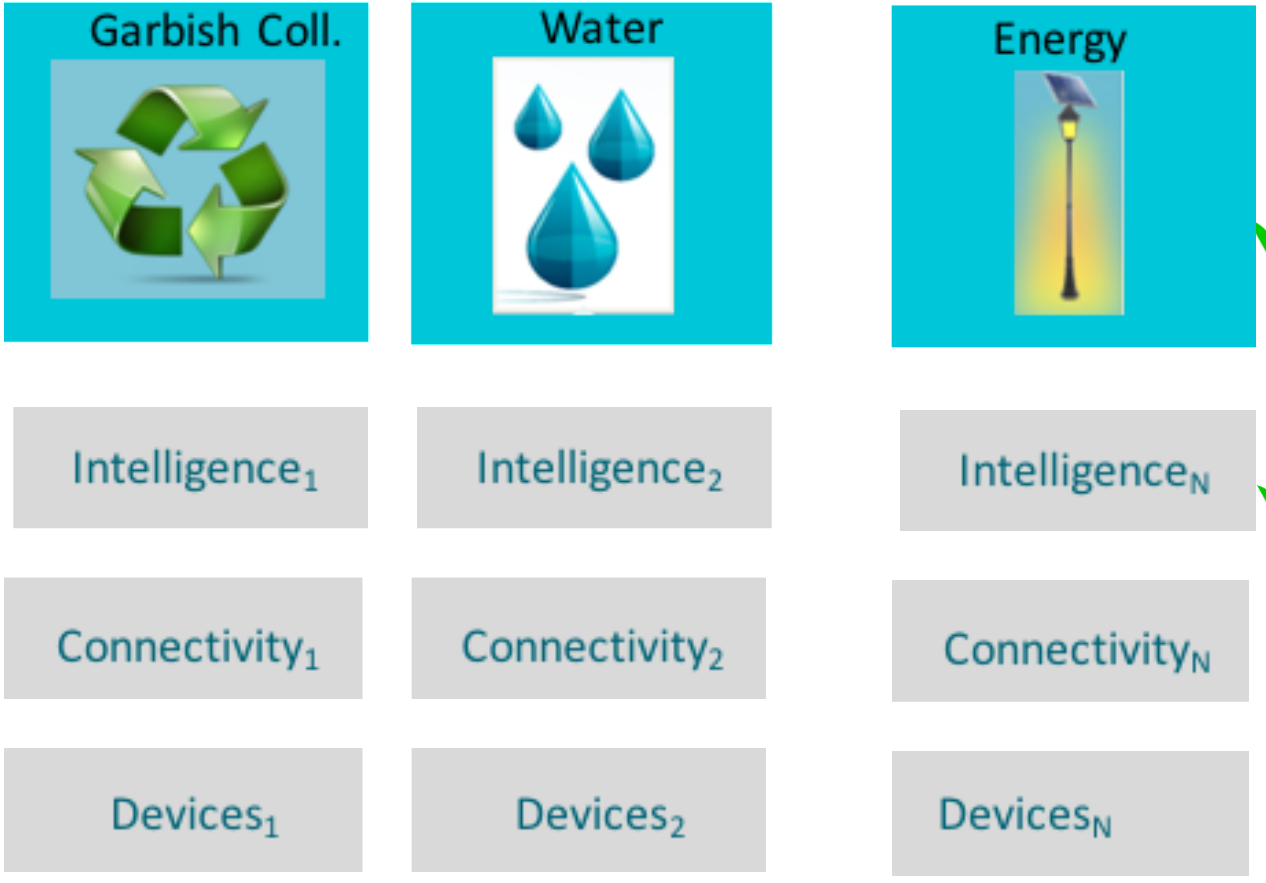
FIWARE IoT: Interoperability at Context Data Level

Satisfying Developers view

- **Common language for all Data Sources (IoT and non-IoT).**
- **Single REST API. Query, Subscribe, Trigger Actions.**
- Opensource solutions published in GitHub, Read-the-docs, etc



Previously: Sylos or Verticals Smartcity/Smart*



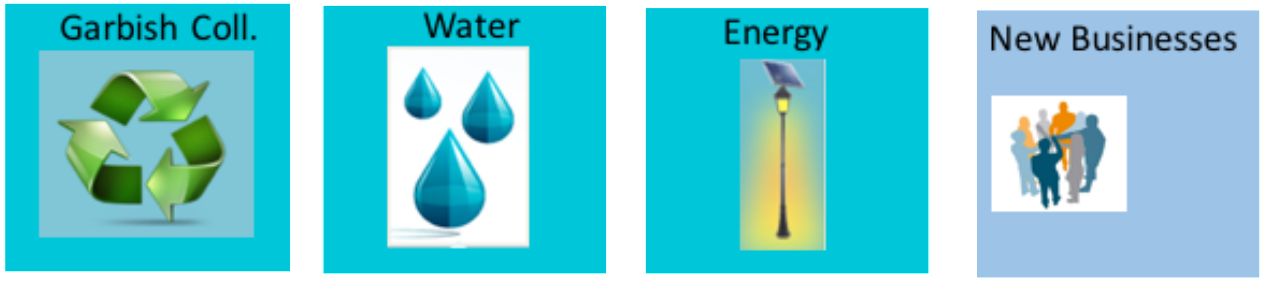
Higher Efficiency

- Automatization

Higher IT Business

- Common suppliers

FIWARE Smart*: Local Ecosystem growth engine



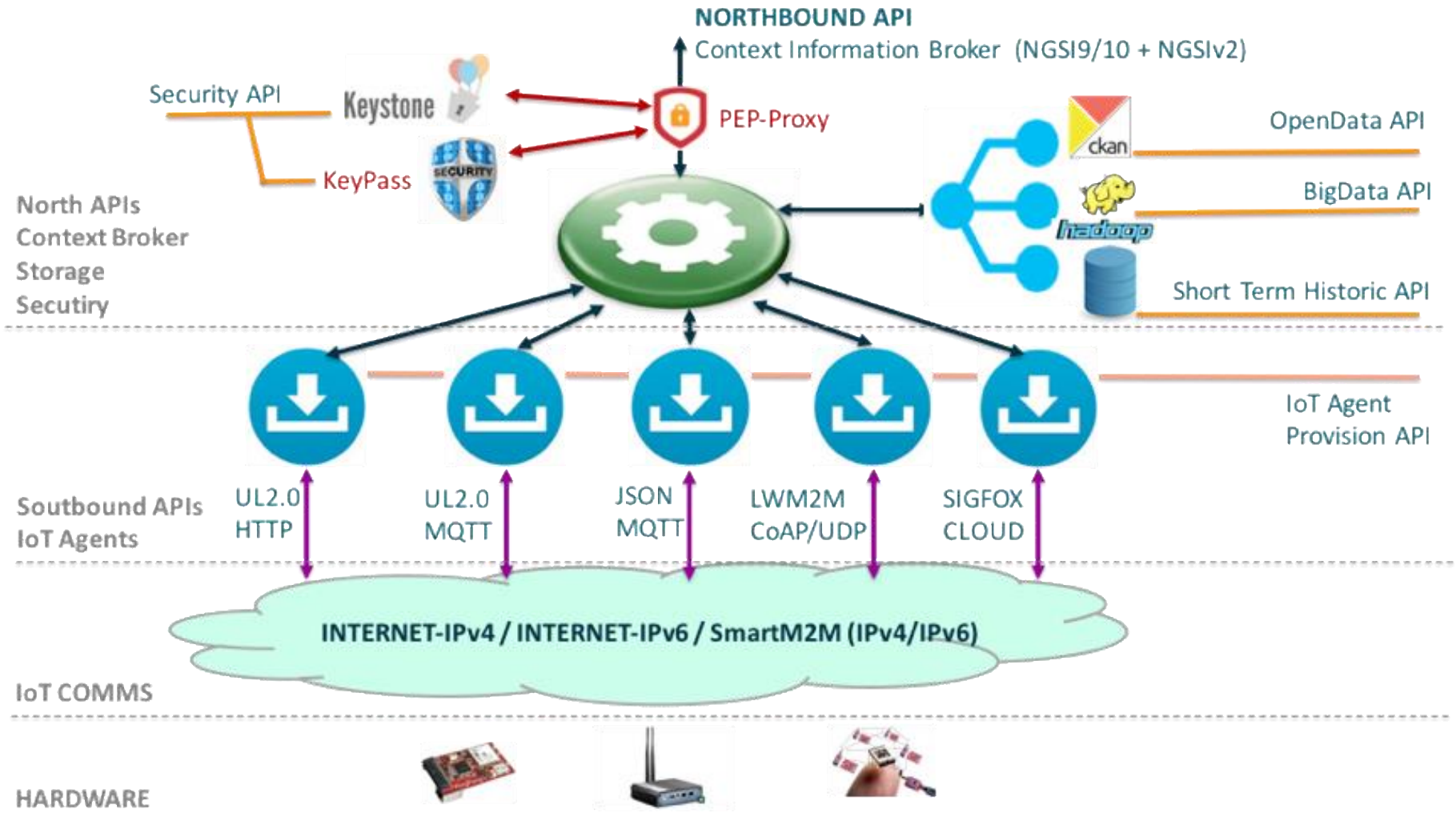
Higher Efficiency

- Share Networks, Cloud

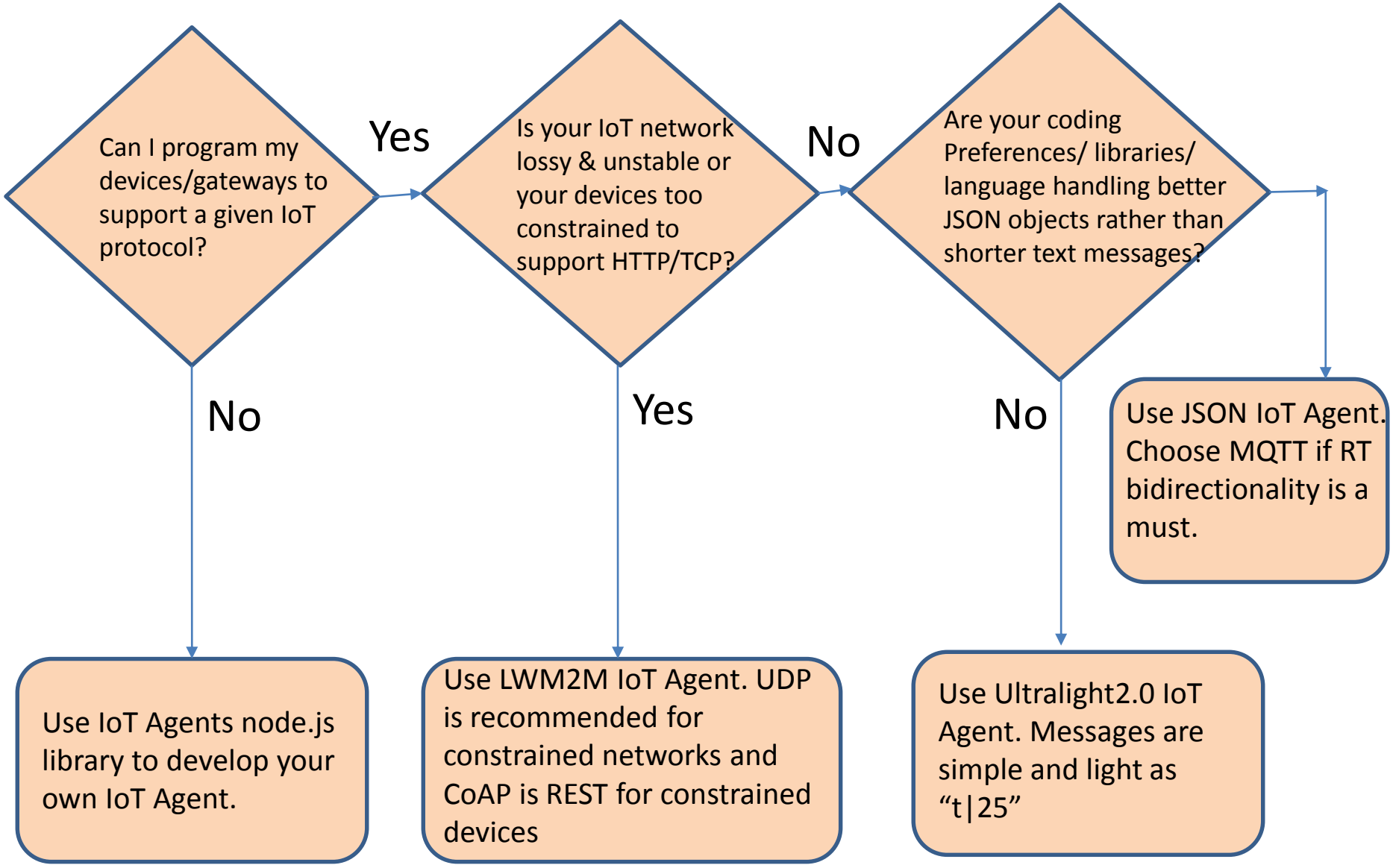
Boost Overall Business

- Cros-vertical ideas and services
- New Players
- Data Scientists
- Developers

Smart* FIWARE most-used IoT Stack



Talking to IoT – Choosing an IoT-Agent



Ongoing Work

- **Evolution of IoT Agents**
  - Include new functionalities such as data Transformations.
  - New protocols.
  - Consider IoT management.
- **From Cloud-Centralized to Distributed models**
  - IoT Agents, NGSI Brokers and CEP at the IoT Gateway Level.
- **(Context) Data Models**
  - Smartcities: OASC Alliance
  - SmartAgrifood: IoF Project
- **Federation and other implemantations of NGSI Brokers**
  - IoT Broker
- **Market Dynamization**
  - FIWARE IoT Ready Program.

Thanks!

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