

AIOTI

ALLIANCE FOR INTERNET OF THINGS INNOVATION

AIOTI and Open Source Software

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Purpose of the AIOTI



The **Alliance for Internet of Things Innovation** (AIOTI) was initiated by the European Commission

- To **strengthen the dialogue** and interaction among IoT players in Europe
- To create a **dynamic** European IoT **ecosystem**
- To speed up **adoption** of IoT

www.aioti.eu

Launched in 2015
by Commissioner
Günther Oettinger



Context: Preparation of large
scale IoT Projects under EC's
Horizon 2020 initiative



Now a one-stop-shop
for IoT in Europe and
globally



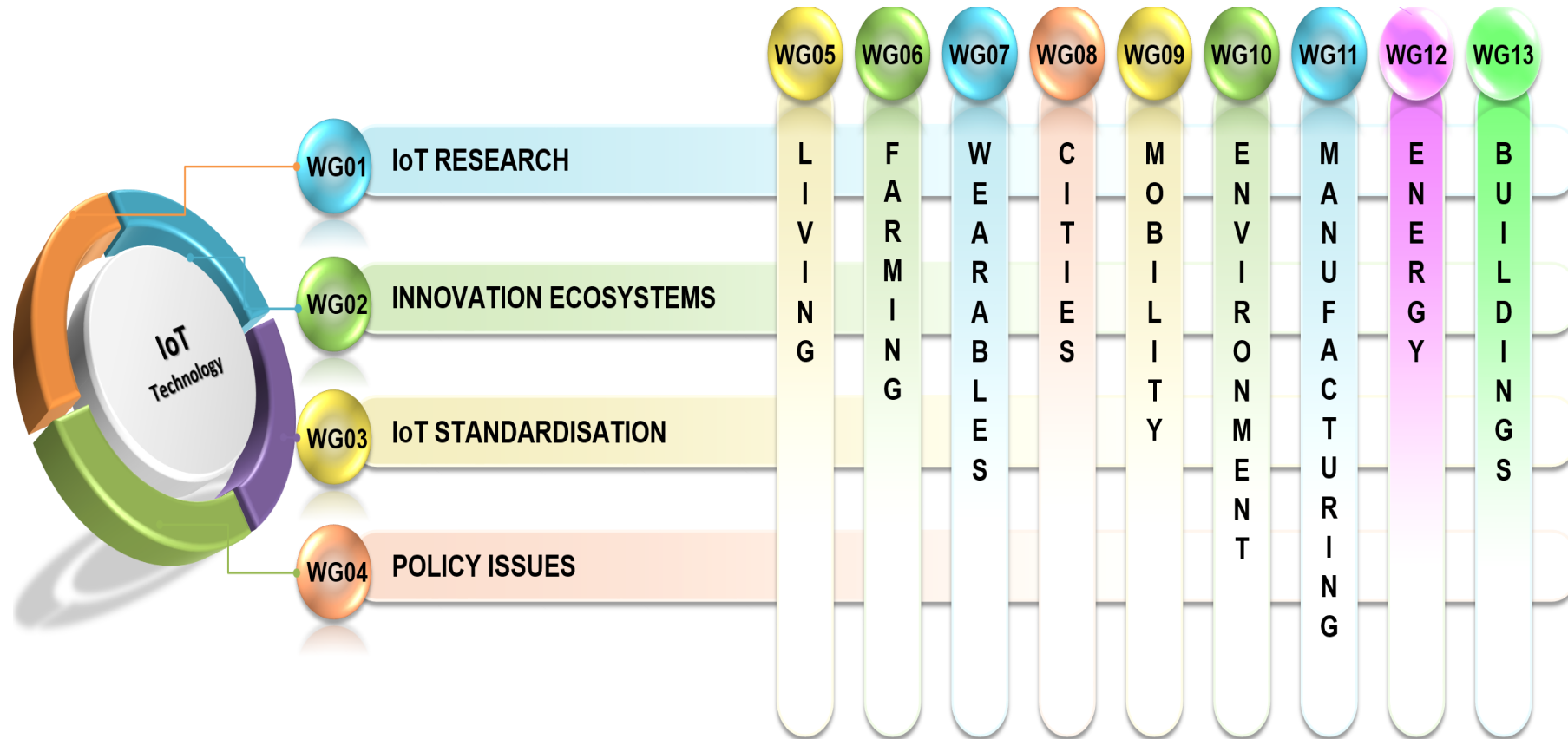
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Allnet Ltd.

An AIOTI member company

AIOTI Working Group Structure



AIOTI WG03 VISION

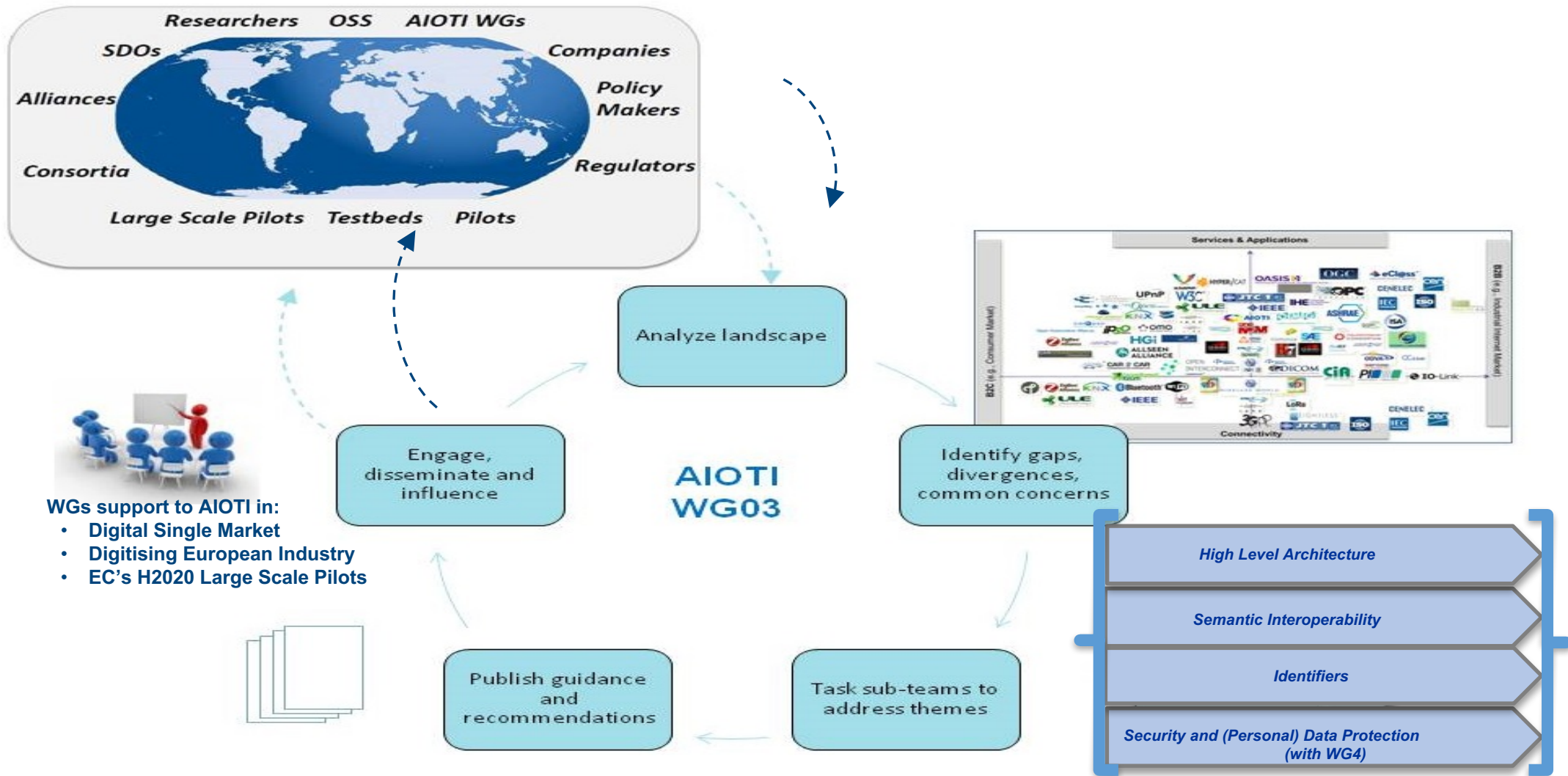
- to be recognized as a major contributor to the worldwide interoperability, security, privacy and safety of IoT systems and applications focussing on enabling trust
- to provide support for major innovation initiatives such as European Large Scale Pilots
- **to promote the development of coherent, cross-sector standards for IoT, enabling transversal solutions across sectors based on transparent interoperability**
- to be a leading source of requirements for standards development organizations, and is a **recognized coordinator of standards development**
- to promote best practices in the use, development and validation of standards, referenced architectures in the research and open source software communities.

AIOTI WG03 OBJECTIVES

WG03 **identifies** and, where appropriate, **makes recommendations to address existing IoT standards, analyses gaps in standardization, and develops strategies and use cases** aiming for

- **Bootstrapping trust**
- Identify horizontal concerns/general principles for IoT
- Investigation of relevant regulations and their potential impact
- Community building
- Initial study on the role of people in IoT

AIOTI WG03 Engagement Model



IoT SDOs and Alliances Landscape (Technology and Marketing Dimensions)



Source: AIOTI WG3 (IoT Standardisation) – Release 2.7

Connectivity

IoT SDOs and Alliances Landscape (Vertical and Horizontal Domains)

Home/Building

Manufacturing/
Industry Automation

Vehicular/
Transportation

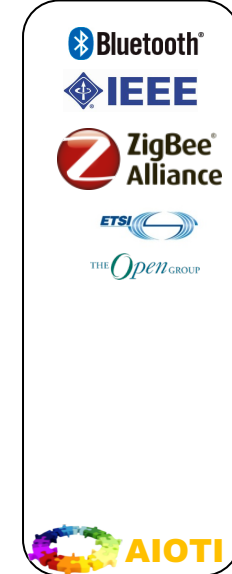
Healthcare

Energy

Cities

Wearables

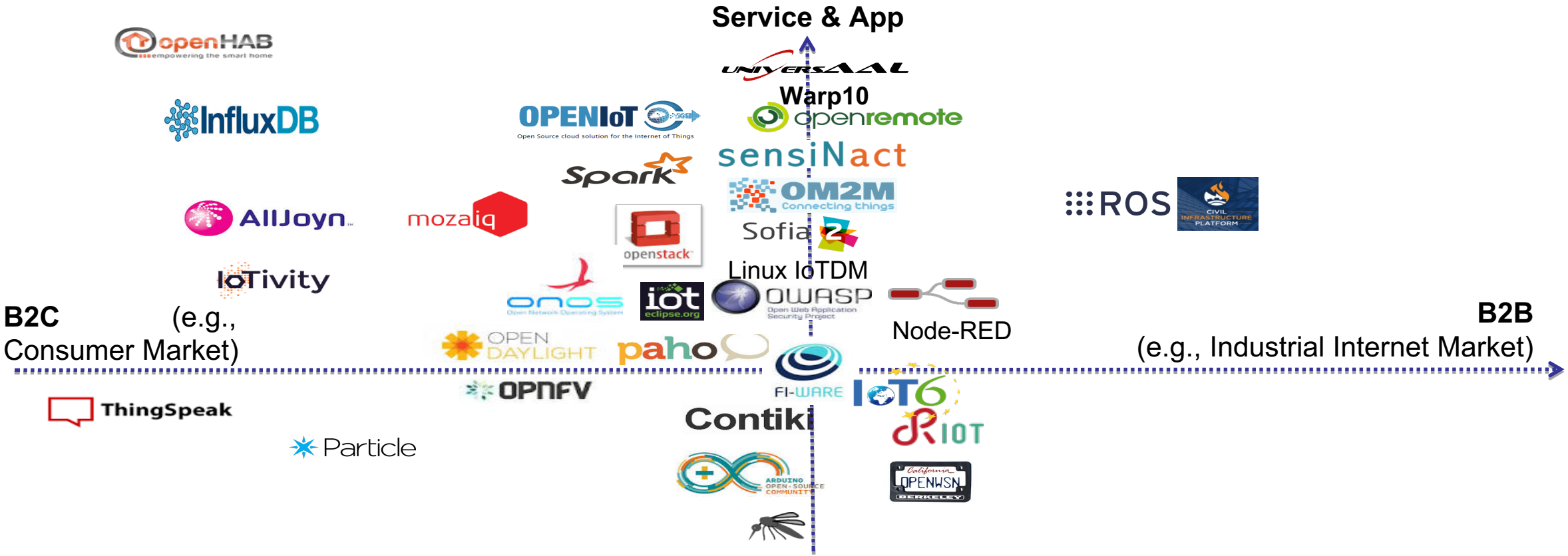
Farming/
Agrifood



Horizontal/Telecommunication

Source: AIOTI WG3 (IoT Standardisation) – Release 2.7

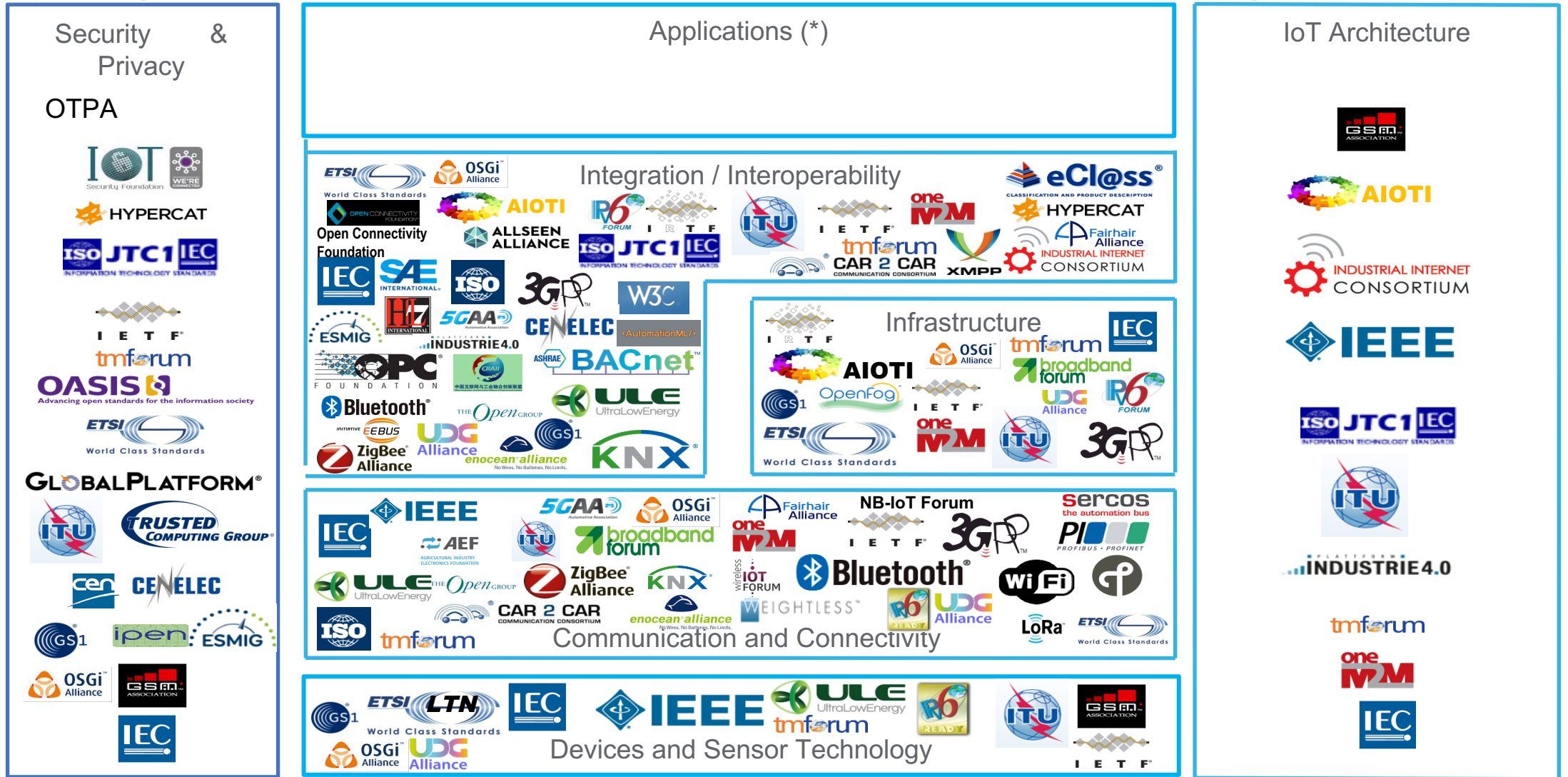
IoT Open Source Initiatives Landscape (Technology and Marketing Dimensions)



Source: AIOTI WG3 (IoT Standardization) – Release 2.7

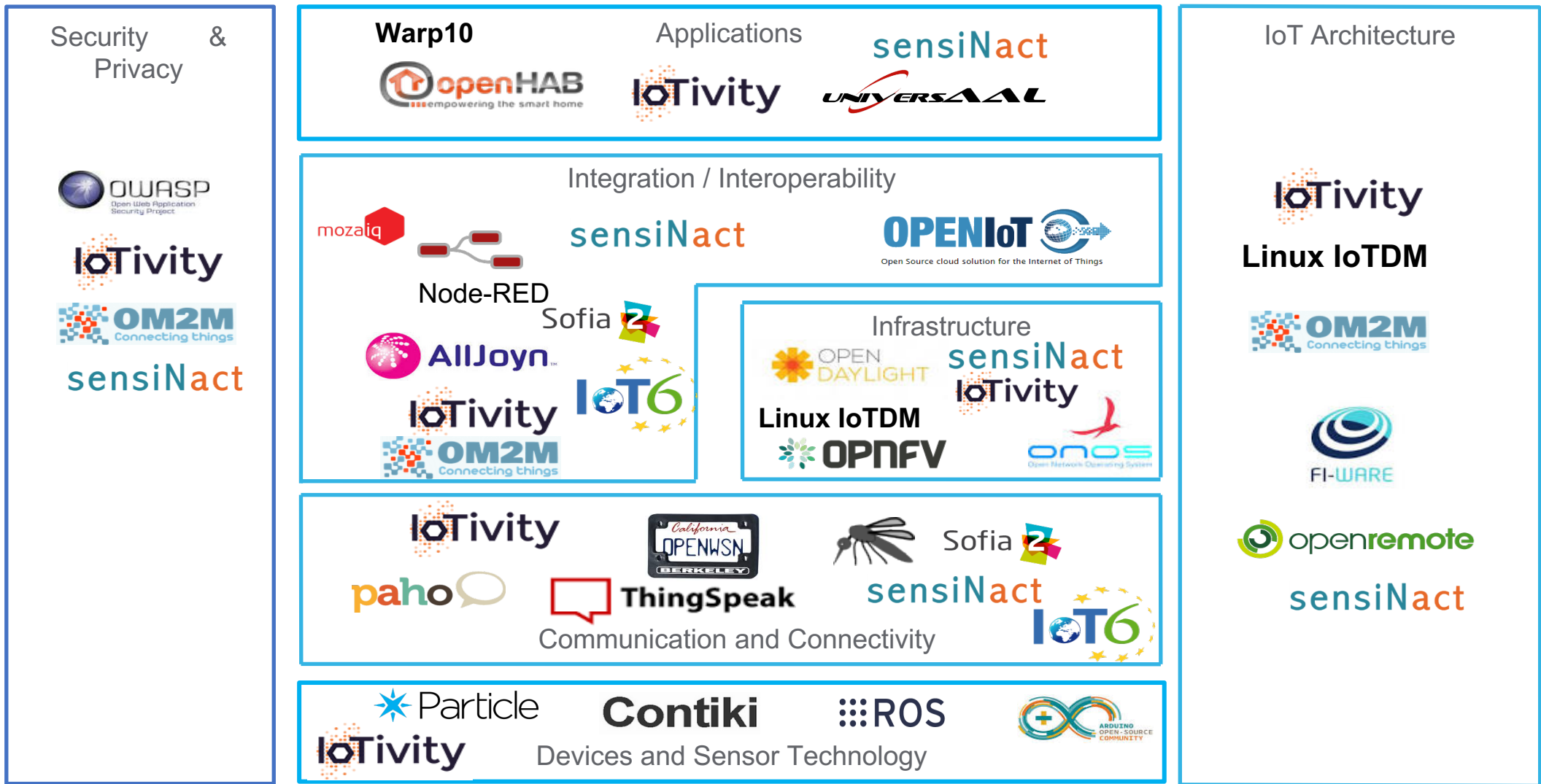
OSS activities are significant for the deployment of IoT, since they are very much accessible to SMEs. This is because AIOTI considers SMEs as important participants in the IoT Ecosystem and in the IoT Value chain

Mapping of IoT SDOs/Alliances to Knowledge Areas



Source: AIOTI WG3 (IoT Standardisation) – Release 2.7

Mapping of IoT OSS initiatives to Knowledge Areas



Source: AIOTI WG3 (IoT Standardization) – Release 2.7

AIOTI WG03 Reports, we do not develop standards !

<https://ec.europa.eu/digital-single-market/en/news/aioti-recommendations-future-collaborative-work-context-internet-things-focus-area-horizon-2020> since 26/10/2015 before the H2020 IoT LSPs selection

<http://www.aioti.eu> -> [resources](#) <https://docbox.etsi.org/SmartM2M/Open/AIOTI/> with latest WG03 Reports

AIOTI WG03 IoT Landscape [V2.8](#) (IoT Reference Architecture mappings)

[IoT-EPI](#) UNIFY-IoT D3.1 [IoT Platforms analysis](#) improvement from AIOTI WG03

STF505 [IoT Landscape](#) (ETSI TR 103 375) and [Gap Analysis and recommendations](#) (ETSI TR 103 376) + [7-8 February 2017](#) reports and recommendations

AIOTI WG03 High Level Architecture [V3.0](#)

IoT identification (WG03 survey and work in progress)

IoT Semantic Interoperability

First report AIOTI WG03 [SemIoP report 2.0](#) - 2015

Join AIOTI, oneM2M, W3C and IEEE P2413 [SemIoP White Paper](#)

WG03 contributions on IoT in AIOTI inputs to EC DSM/DEI

ETSI IoT Security Week, AIOTI WG03 [IoT Privacy report](#) (with WG04) - June 2016 and [13 January 2017](#)

12 Sep 2017 [AIOTI-ARMOUR Workshop](#) hosted at ETSI

Thank you for your attention

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