GOEASY

GalileO-based trustEd Applications for health and SustainabilitY

INTEROPERABILITY ASPECTS

MAURIZIO SPIRITO

HEAD OF ***EMERGING TRENDS AND OPPORTUNITIES*** @ **ISMB**

IOT WEEK 2018 – BILBAO, SPAIN

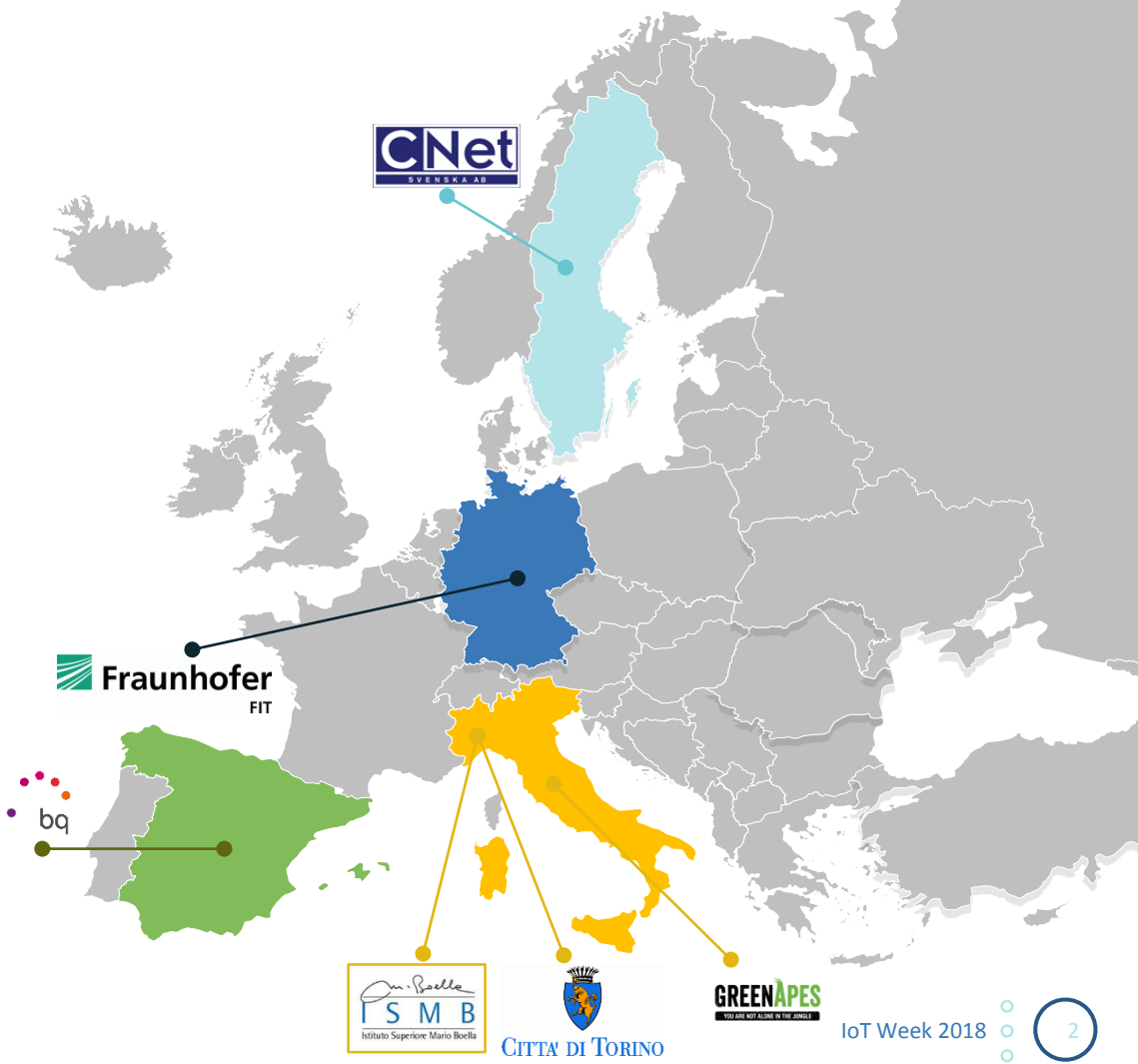
PANEL ***"BUILDING IOT CROSS-DOMAIN AND CROSS-PLATFORM INTEROPERABILITY"***

GOEASY AT A GLANCE

Duration: 1/12/2017 – 30/11/2020
(36 months)
Total cost: 2,9M€
Innovation Action
Contract 776261

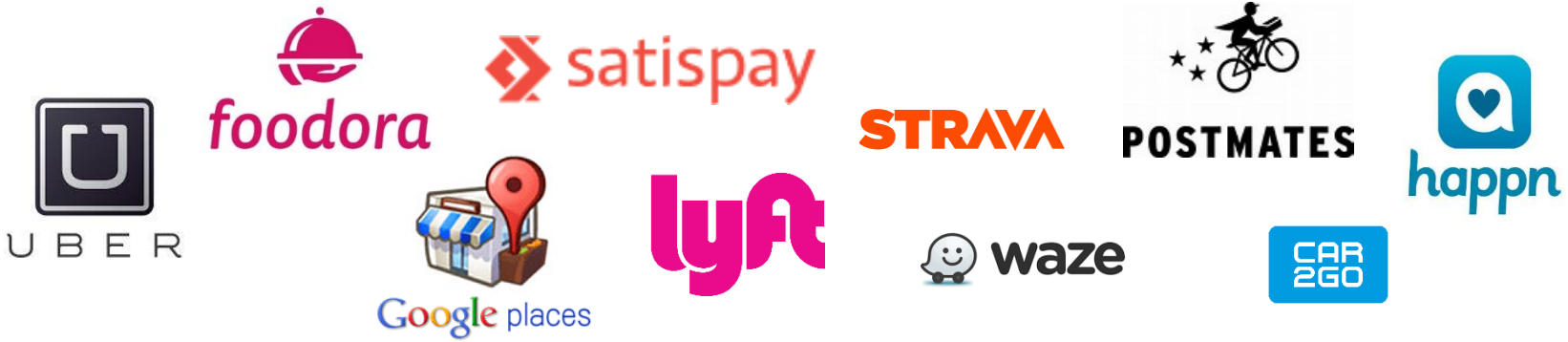
Topic: H2020-GALILEO-GSA-2017-1
EGNSS mass market applications

Topic Summary: Development of EGNSS solutions for IoT exploiting the interconnectivity of uniquely identifiable devices and the availability of their location.



CONTEXT

- Applications and services leveraging position information (location-based services) are in exponential growth



- 70% of all mobile phones worldwide will have GNSS capability by 2020 (GSA's Market Report Issue 4)

Trust Privacy Interoperability

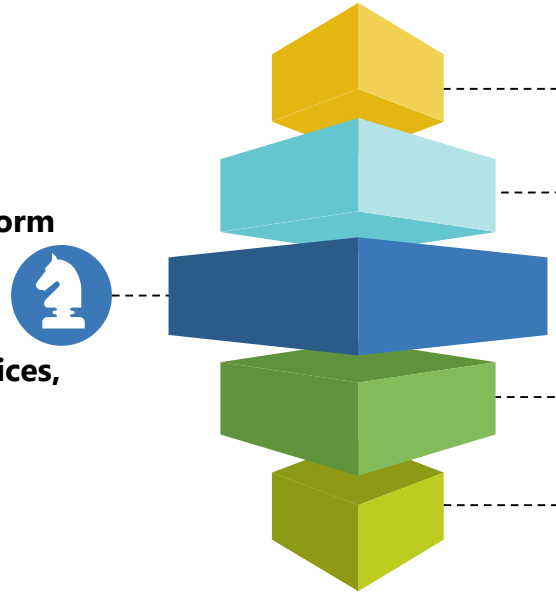
e-Security Accuracy

GOEASY: AIM

GOEASY will enable a new generation of **trusted and dependable mass-market Location-Based Services (LBS)** for engaging, stimulating and rewarding citizens for more sustainable behaviors

Open eco-system

- built upon **Galileo** features (trust and availability)
- leveraging **open-standards** and **platform enablers**
- to federate with existing
  1. **authentication and e-security services,**
  2. **IoT and SmartCity platforms** and
  3. **CAPs**



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RESEARCH CENTERS

GREENAPES YOU ARE NOT ALONE IN THE JUNGLE
bq
CNet SVENSKA AB

ENTERPRISES

CITTA' DI TORINO

PUBLIC BODIES

STAKEHOLDERS

Know Managing your knowledge
PUSH.
ubi

Not part of the research activities but active in external support

GOEASY TECHNICAL OBJECTIVES

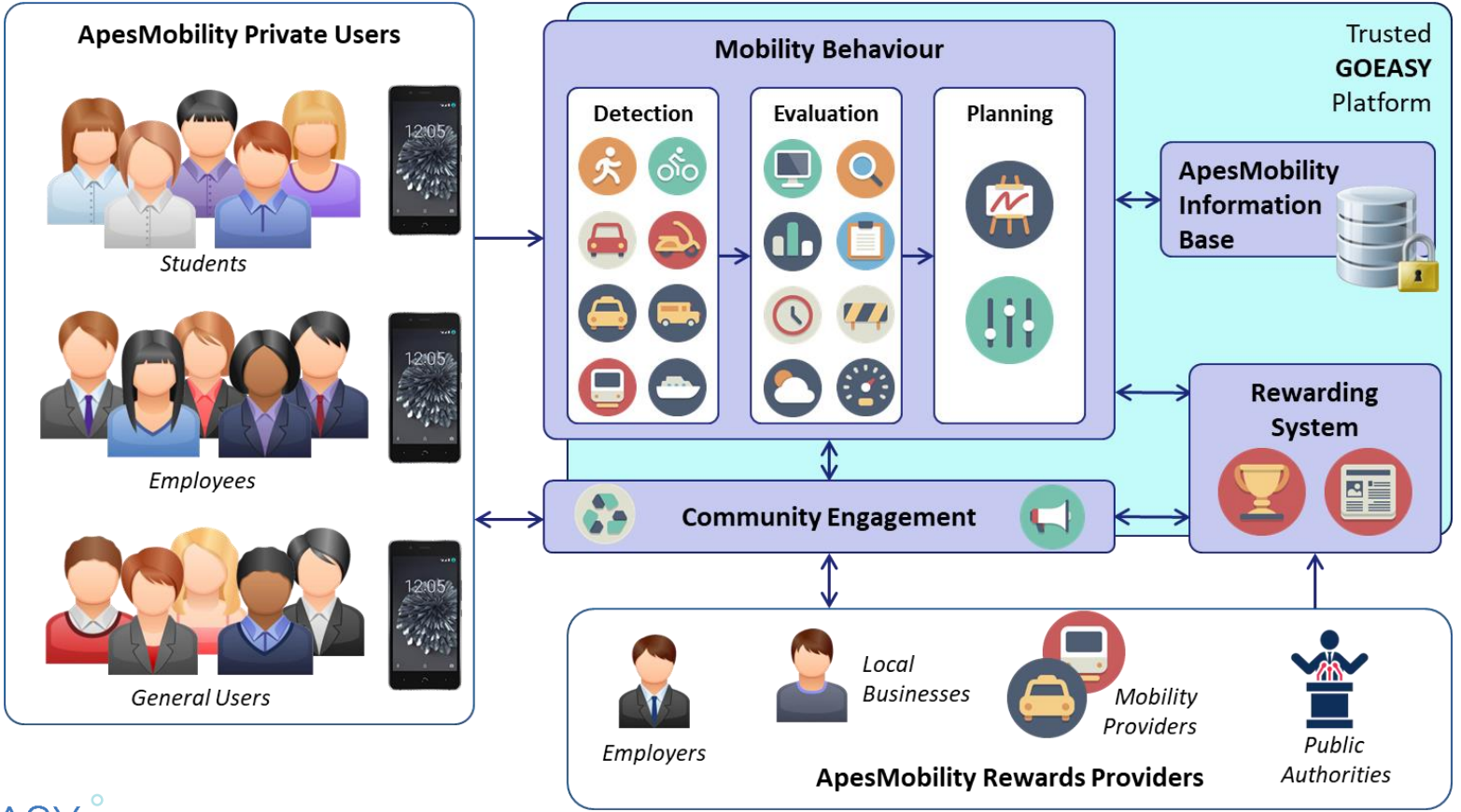
To implement and evaluate an innovative eco-system for **trusted and dependable mass-market Location-Based Services (LBS) and applications, exploiting Galileo features** for increased trust and improved availability

To deliver an **end-to-end, adaptive framework for dependable and trusted measurement and exchange of position information** built upon Galileo multi-constellation and authentication features and on existing open architectures for e-security

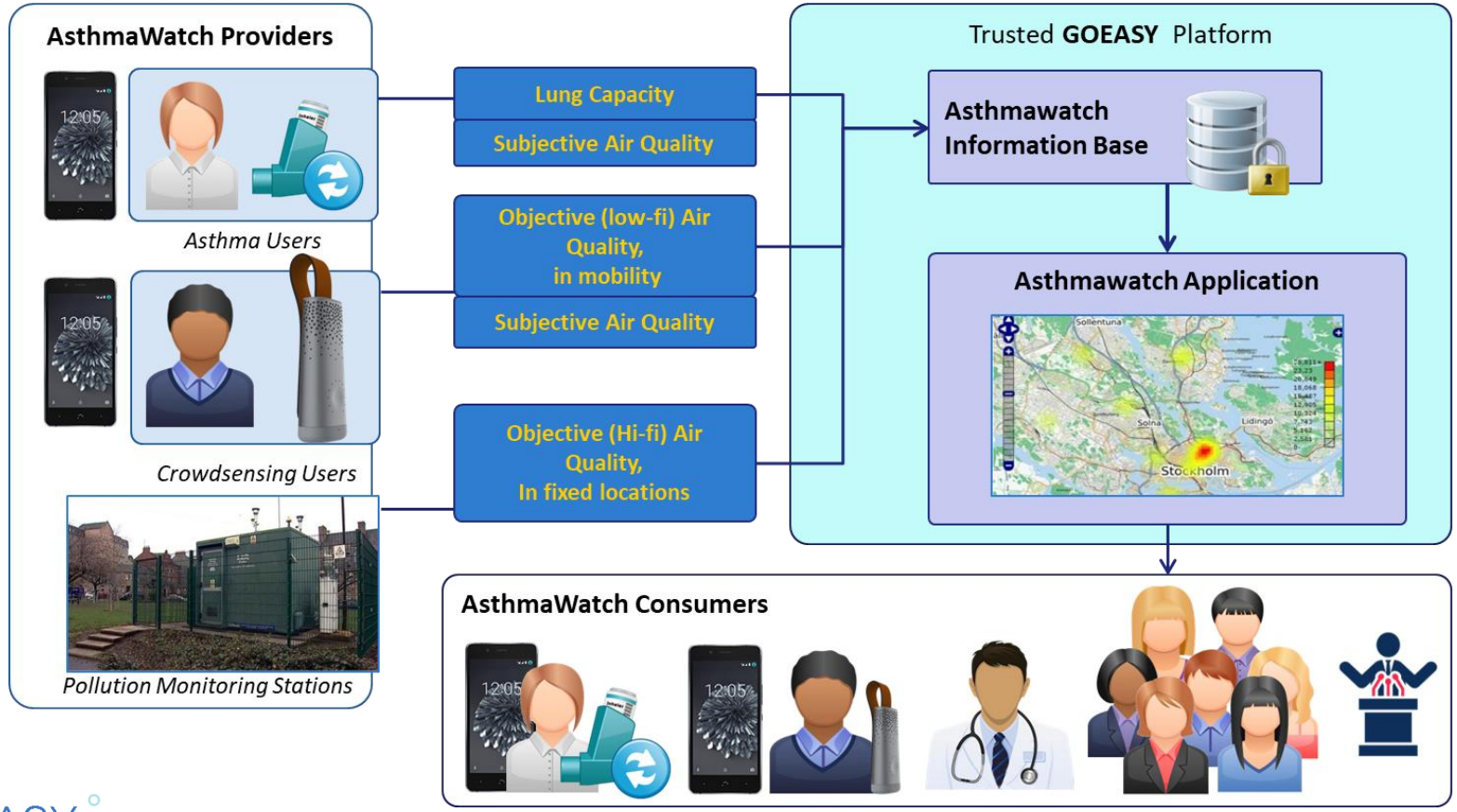
To enable rapid development of **interoperable and trusted generic applications** through open API (Application Programming Interface) and SDKs (Software Development Kits) for mobile LBS

To foster **interoperability of Galileo-based applications with open Internet-of-Things (IoT) eco-system**s through well-established open standards and enablers.

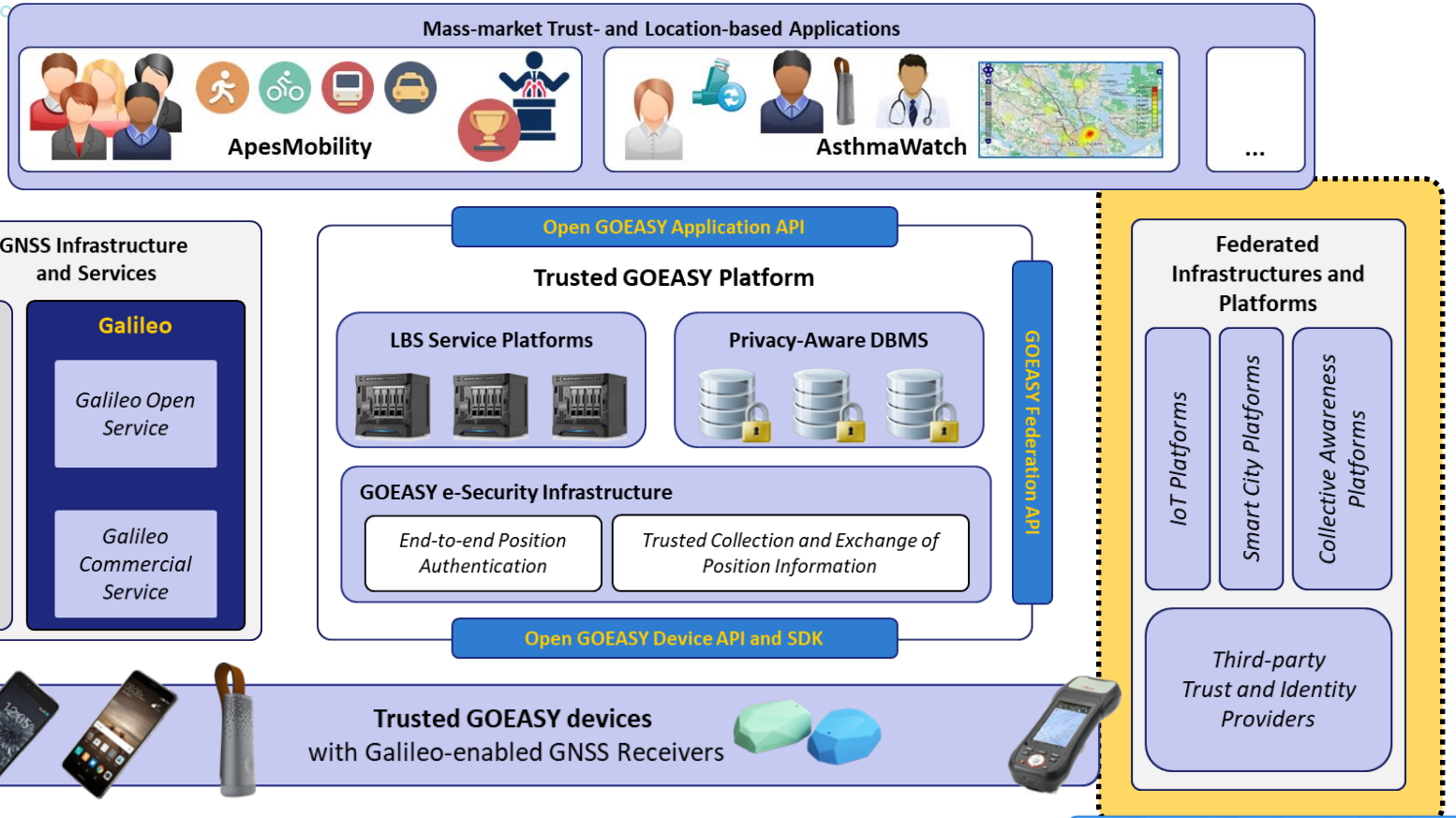
THE APESMOBILITY PILOT



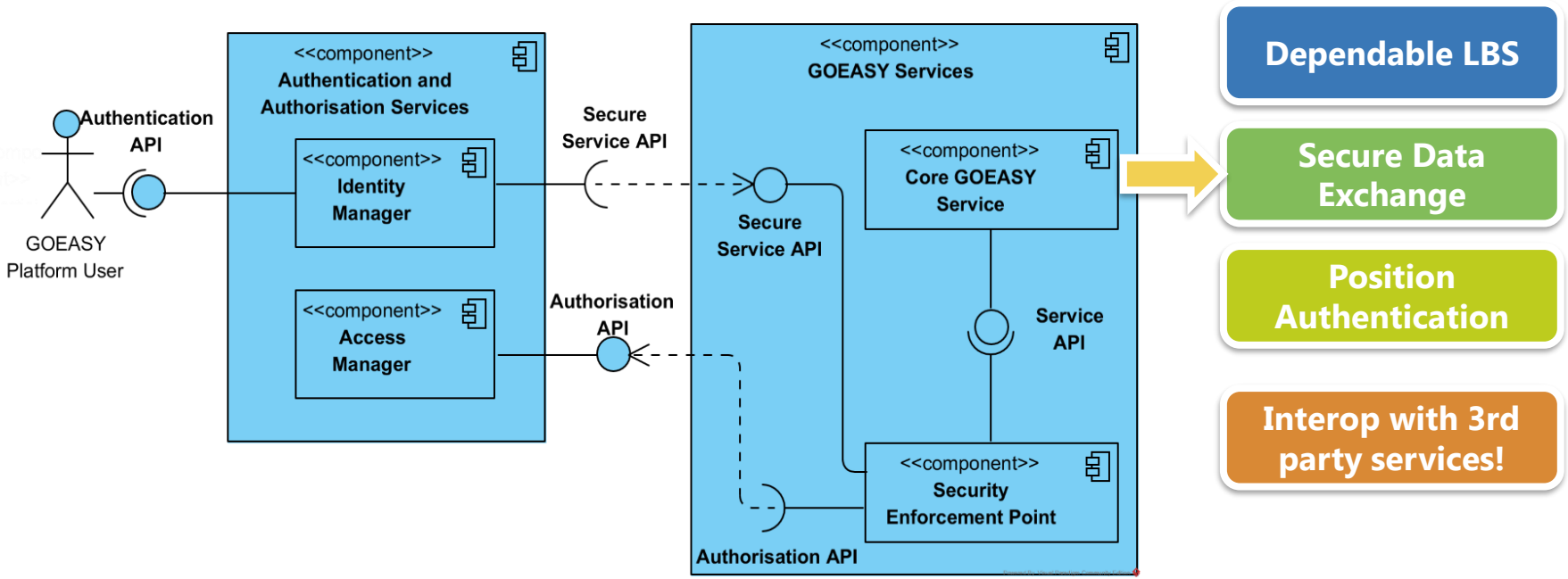
THE ASTHMAWATCH PILOT



THE GOEASY ECOSYSTEM

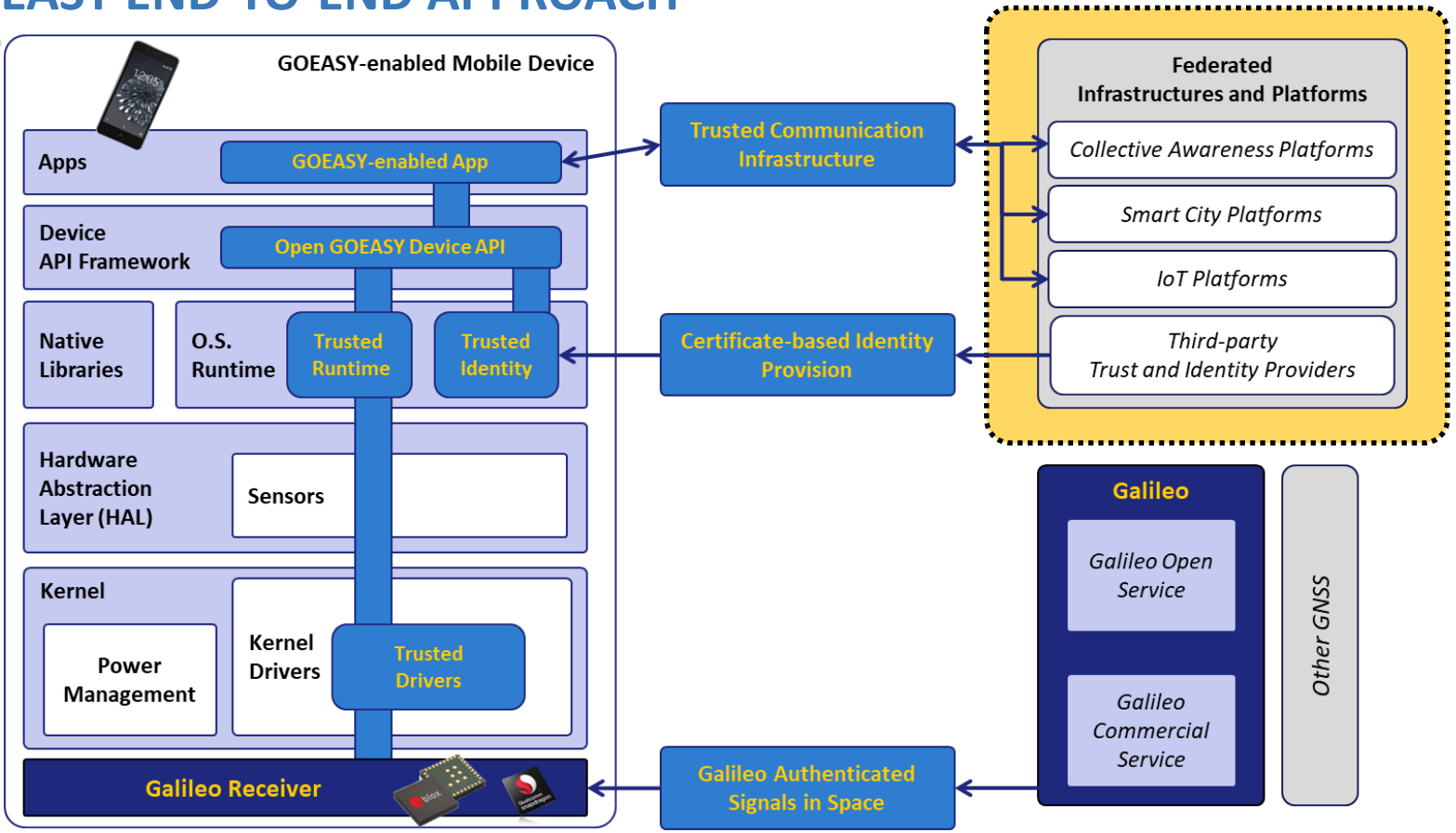


GOEASY SECURITY AND PRIVACY FRAMEWORK



The Security Framework secures components of the “trusted” GOEASY platform that need to interact with the “untrusted” area, outside the platform (i. e., CAPs, IoT platforms, 3rd party services but also mobile devices, before they become “trusted”)

THE GOEASY END-TO-END APPROACH



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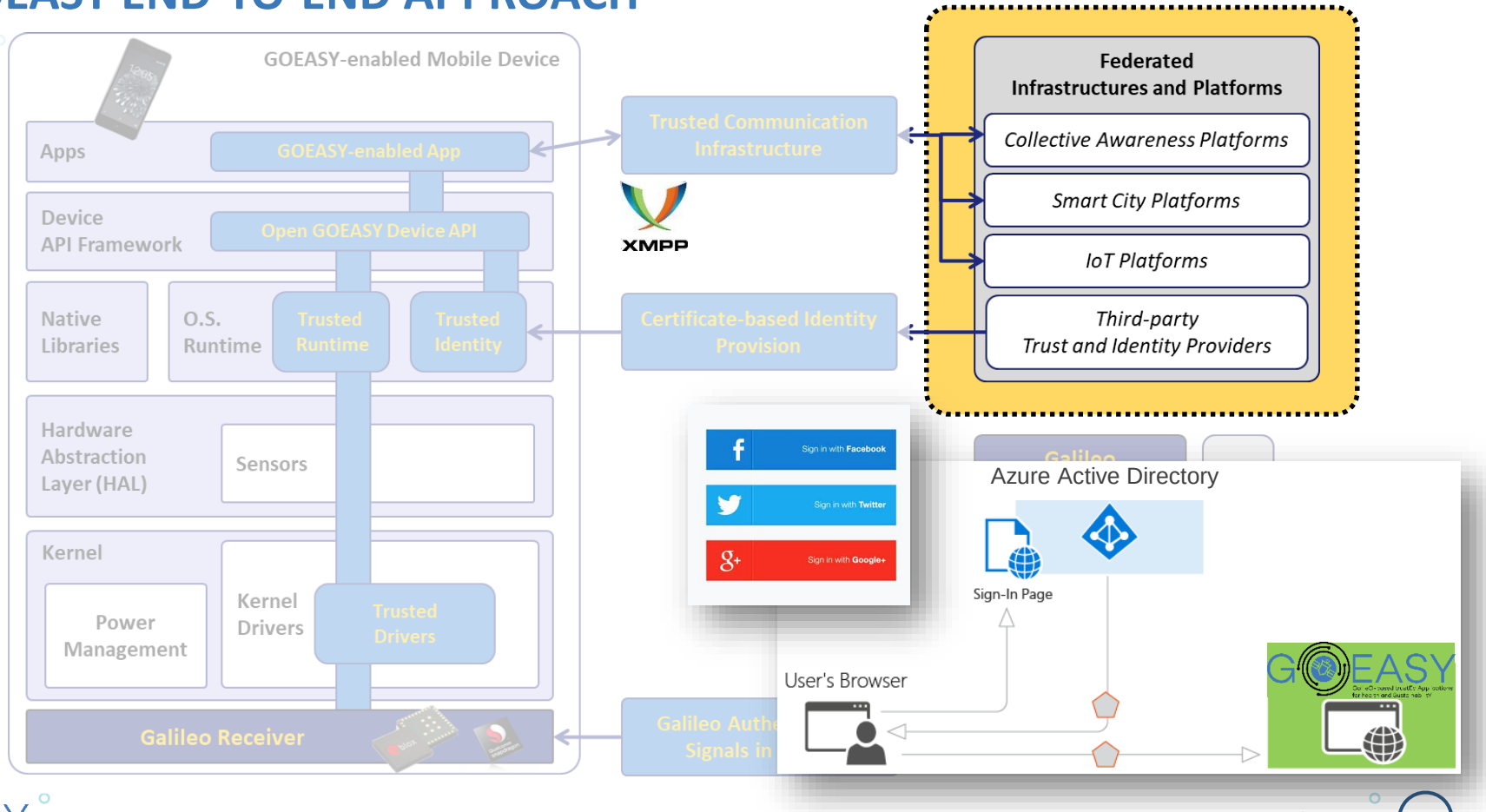

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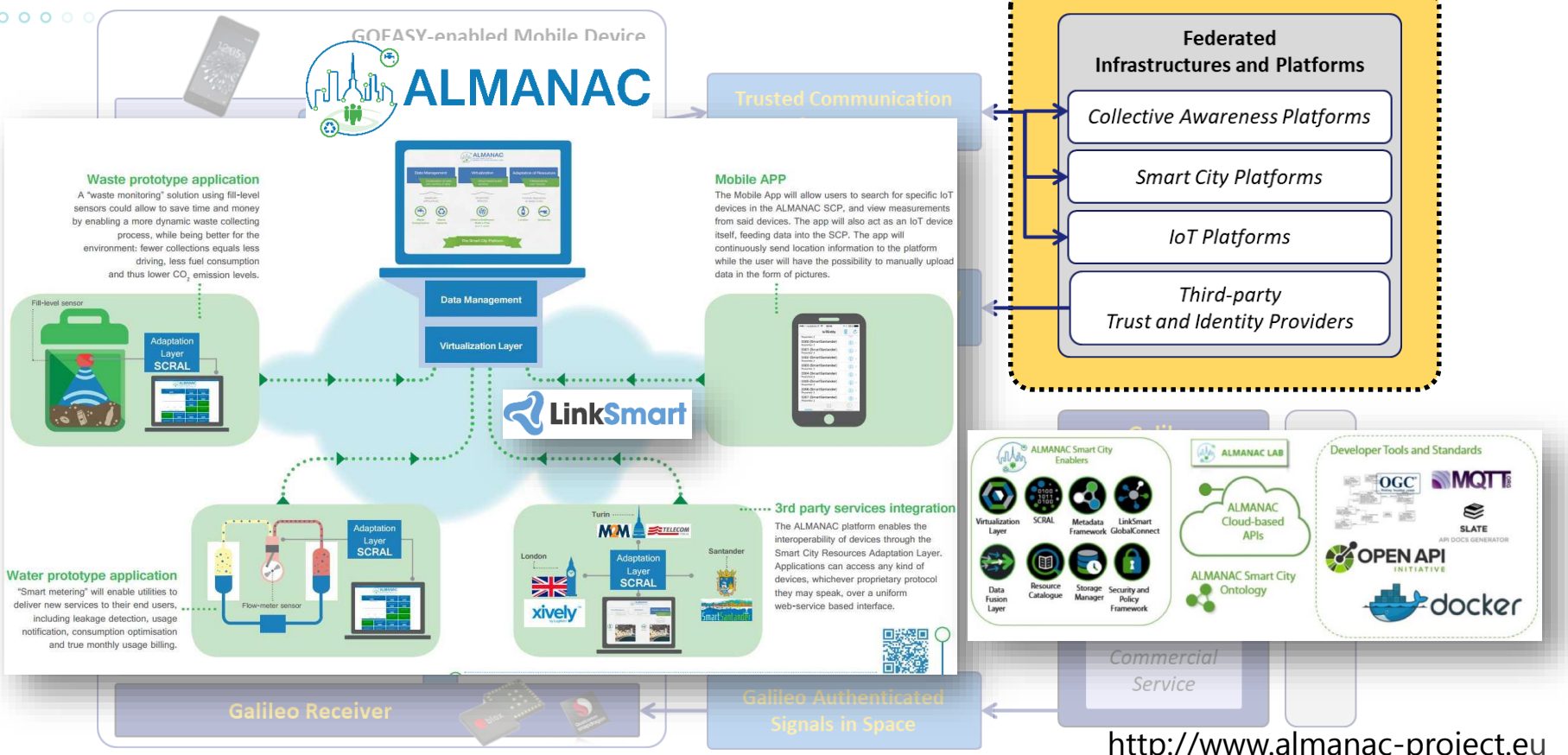

http://www.almanac-project.eu

EXTERNAL STAKEHOLDERS GROUP

- A group of external stakeholders interacts with the GOEASY consortium to be constantly updated on the technical progresses and provide suggestions depending on their expertise and their needs

- Current members:
  - PUSH
  - SATISPAY
  - REAL-T
  - K-NOW

- The ESG is open for new members: would you like to join?

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The project leading to this application has received funding from the European GNSS Agency under the European Union's Horizon 2020 research and innovation programme under grant agreement No 776261.