Adoptive Gateways for diverse multiple Environments

Fact Sheet

Project Information

AGILE
Grant agreement ID: 688088

Project website

Funded under
H2020-EU.2.1.1.

Start date
1 January 2016

End date
31 December 2018

Overall budget
€ 6 957 550

EU contribution
€ 6 857 550

Coordinated by
FONDAZIONE BRUNO KESSLER

Italy

Objective

AGILE project aims to create an open, flexible and widely usable IoT solution at disposal of industries (startups, SMEs, tech companies) and individuals (researchers, makers, entrepreneurs) as a framework that consists of:

• A modular IoT gateway enabling various types of devices (wearables, home appliances, sensors, actuators, etc.) to be connected with each other and to the Internet;

• Data management and device control maximizing security and privacy, at local level and in the cloud, technologies and methodologies to better manage data privacy and ownership in the IoT;

• Support of various open and private clouds;

• Recommender and visual developer’s interfaces enabling easy creation of applications to manage connected devices and data;

• Support of mainstream IoT/M2M protocols, and SDKs from different standardization bodies for device discovery and communication;

• Two separate gateway hardware versions: a) the ‘maker’s version, based on the
The separate gateway hardware revolves around the RaspberryPi platform for easily prototyping and attracting the current community; b) the ‘industrial’ version for more industrial and production-ready applications.

- An ecosystem of IoT applications shareable among users and developers leveraging on existing initiatives by key stakeholders in this domain, like Canonical and Ubuntu Snappy IoT ecosystem.

Piloted in relevant open areas (fields and in a port) for field & cattle monitoring through drones, air quality & pollution monitoring and in smart retail, AGILE will be easily adaptable and usable in different contexts serving as an horizontal technology for fast IoT prototyping and engineering in different domains. Following an open hardware/software approach, harnessing the power of IoT developers and entrepreneurs communities, AGILE aims to offer tools to overcome limitations imposed by closed and vertical walled gardens for IoT apps development, offering a fully open platform for integration and adaptation with 3rd parties enabling a new marketplace for IoT apps

**Field of science**

/natural sciences/computer and information sciences/internet/internet of things
/natural sciences/earth and related environmental sciences/environmental sciences/pollution
/natural sciences/computer and information sciences/internet
/engineering and technology/electrical engineering, electronic engineering, information engineering/electronic engineering/robotics/autonomous robots/drones

**Programme(s)**

**Topic(s)**

**Call for proposal**

H2020-ICT-2015

**Funding Scheme**

RIA - Research and Innovation action

**Coordinator**

FONDAZIONE BRUNO KESSLER

Address  Activity type  EU contribution
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<td>INTERUNIVERSITAIR MICRO-ELECTRONICA CENTRUM</td>
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<td>Belgium</td>
<td>Kapeldreef 75, 3001 Leuven</td>
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<td>ECLIPSE FOUNDATION EUROPE GMBH</td>
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Roc Boronat 117  2Dn Floor
08008 Barcelona

Private for profit entities
(excluding Higher or Secondary Education Establishments)

Contact the organisation

TECHNISCHE UNIVERSITAET GRAZ

Austria
EU contribution
€ 316 175

Address
Activity type
Rechbauerstrasse 12
8010 Graz
Higher or Secondary Education Establishments

Website
Contact the organisation

INSTITUT NATIONAL DE RECHERCHE EN INFORMATIQUE ET AUTOMATIQUE

France
EU contribution
€ 238 750

Address
Activity type
Domaine De Voluceau
Rocquencourt
78153 Le Chesnay Cedex
Research Organisations

Website
Contact the organisation

EUROTECH SPA

Italy
EU contribution
€ 493 625

Address
Activity type
Via Fratelli Solari 3A
33020 Amaro
Private for-profit entities
(excluding Higher or Secondary Education Establishments)

Website
Contact the organisation

LIBELIUM COMUNICACIONES DISTRIBUIDAS SL

Spain
EU contribution
€ 320 250
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<td>50018 Zaragoza</td>
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**Last update:** 16 July 2020  
**Record number:** 199853

**Permalink:** https://cordis.europa.eu/project/id/688088/

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