INTER-IoT project is aiming at the design, implementation and experimentation of an open cross-layer framework and associated methodology to provide voluntary interoperability among heterogeneous Internet of Things (IoT) platforms. The proposal will allow developing effectively and efficiently smart IoT applications, atop different heterogeneous IoT platforms, spanning single and/or multiple application domains.

The overall goal of the INTER-IoT project is to provide a interoperable framework architecture for seamless integration of different IoT architectures present in different application domains. Interoperability will be provided at different levels: device, network, middleware, services and data.

The two application domains and use cases addressed in the project and in which the IoT framework will be applied are m-health and port transportation and logistics. The project outcome may optimize different operations (e.g. increasing efficiency in transportation time; reducing CO2 emission in a port environment; improving access control and safety; improving remote patient attendance and increase the number of subject that surgery units can assist using the mobile devices with the same resources; reducing time spent in hospitals premises or reduce the time dedicated to the assistance activities carried out directly at the surgery with advantage for subjects in charge and also benefits those waiting, i.e. reduction of the waiting list) in the two addresses domains, but it may be extended to other application domains in which
there is a need to interconnect different IoT architectures already deployed. The project may deal with interoperability at different layers.

**Field of Science**

/natural sciences/computer and information sciences/internet/internet of things

/medical and health sciences/clinical medicine/surgery

/natural sciences/computer and information sciences/internet

/social sciences/economics and business/economics/sustainable economy

/natural sciences/computer and information sciences/computer security/access control

/social sciences/sociology/governance/public services

**Programme(s)**

**H2020-EU.2.1.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)**

**Topic(s)**

**ICT-30-2015 - Internet of Things and Platforms for Connected Smart Objects**

**Call for proposal**

H2020-ICT-2015

**See other projects for this call**

**Funding Scheme**

RIA - Research and Innovation action

**Coordinator**
UNIVERSITAT POLITECNICA DE VALENCIA
Address
Camino De Vera Sn Edificio 3a
46022 Valencia
Spain

Activity type
Higher or Secondary Education Establishments

EU Contribution
€ 1 744 989,45

Website
Contact the organisation

Participants (13)

TELECOM ITALIA SPA
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Via Gaetano Negri 1
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Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

EU Contribution
€ 102 273,08

Website
Contact the organisation

UNIVERSITA DELLA CALABRIA
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87036 Arcavacata Di Rende
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Activity type
Higher or Secondary Education Establishments

EU Contribution
€ 508 559,85

Website
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PRODEVELOP
Address
Plaza Juan De Villarrasa 14-5
46001 Valencia
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Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

EU Contribution
€ 507 937,68

Website
Contact the organisation
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<td>€ 512 952,35</td>
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