SITAC

Social Internet of Things: Apps by and for the Crowd

PROJECT SUMMARY

Internet of Things (IoT) expects to grow exponentially in number of devices and bring with it a tidal wave of data. Those who can exploit it correctly will emerge with new kind of service eco-systems while others will be left behind.

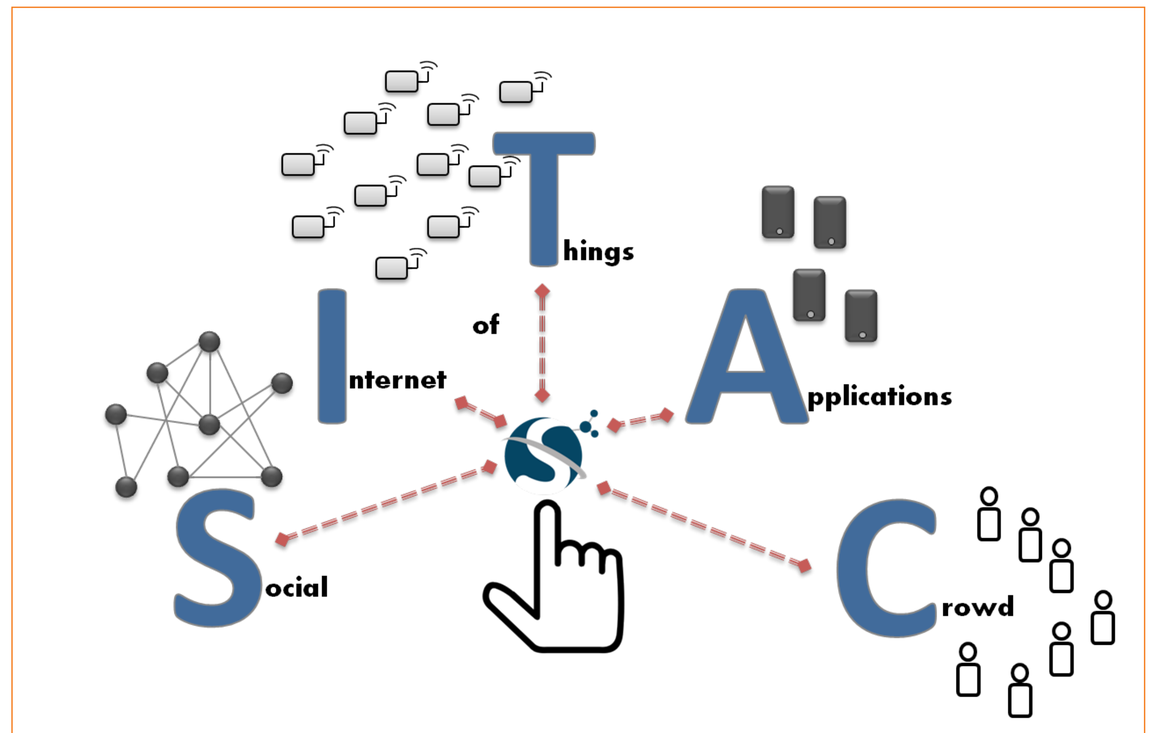
SITAC aims to provide an attractive eco-system for managing the huge number of expected connected objects by leveraging on three successful paradigms: Social Networks, Crowd based applications and data analysis.

OBJECTIVES

- Deliver a platform enabling the development of social IoT and crowd-based applications and its relevant business-wise ecosystem
- Combine crowd-based innovation and social IoT for creating new types of service innovations
- Deliver data analysis and recommendation techniques that fit the above paradigms and enable useful application creation

UNIQUE SELLING POINTS / BUSINESS VALUE

- A new multi-device collaborative application creation and composition framework
- Framework for data analysis & recommendations
- Crowd-sourcing service composition
- Eco-system for service and application exchange



EXPECTED RESULTS

- Platform and associated tools
- A set of demonstrators in representative domains
- Components, APIs and interactions guidelines

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Project leader
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ITEA 3

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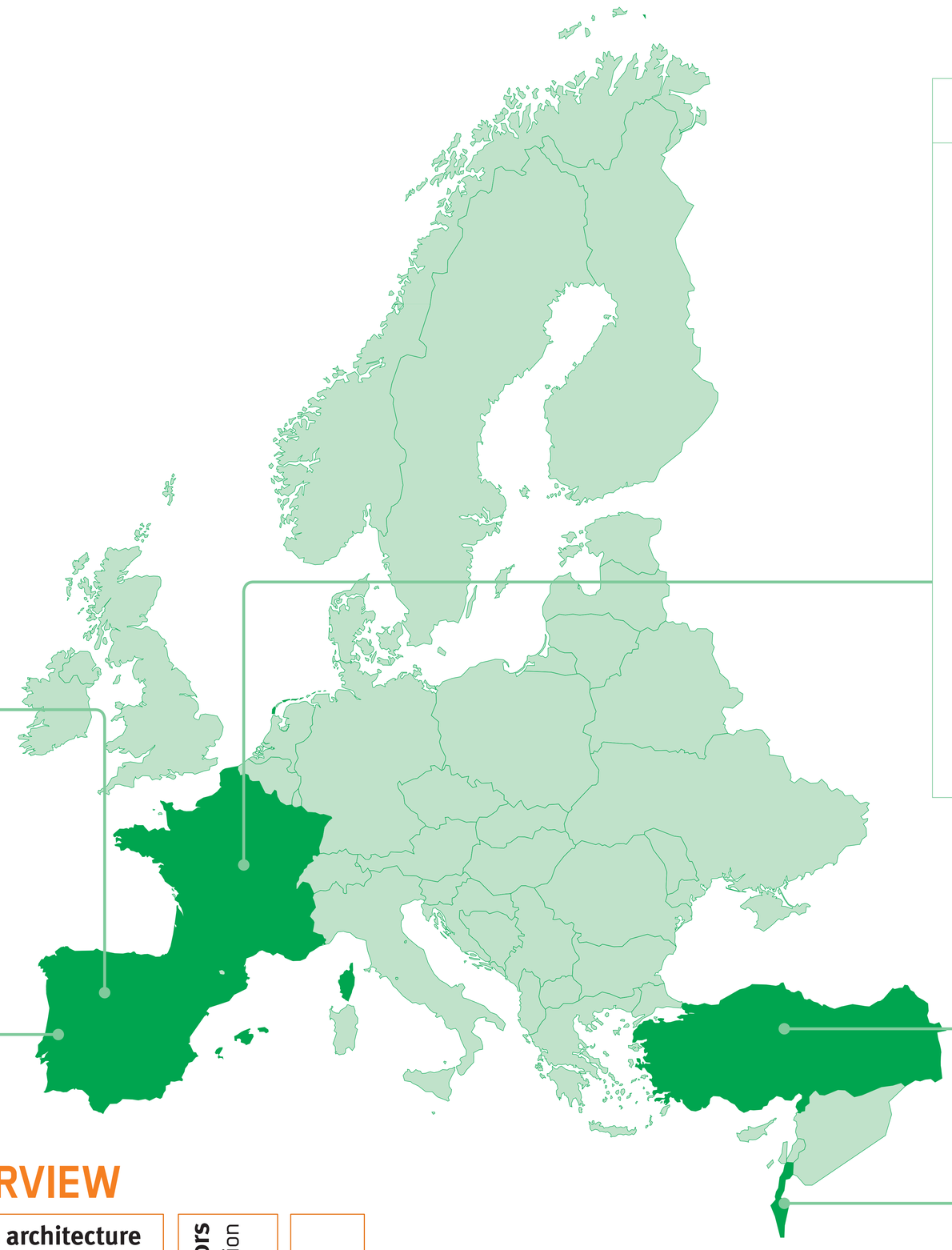
PROJECT CONSORTIUM

START DATE DECEMBER 2012

PROJECT END NOVEMBER 2015



Spain

- Universidad de Alcalá
- 20 years | prodevelop Integrating technologies
- Alcatel·Lucent
- Planet Media The Omnichannel Company
- Universidad de Sevilla
- PROS Centro de Investigación en Métodos de Producción de Software
- Universitat Politècnica de València

France

- MobiquiThings Connecting Objects
- sense
- THALES
- INSTITUT Mines-Télécom
- UPEM Université Paris-Est Marne-la-Vallée
- gemalto security to be free
- Soft 4 ENERGY

Portugal

- instituto de telecomunicações
- GS

Turkey

- arçelik
- KoçSistem "Your imagination is our strength"

Israel

- STARHOME MACH

WORK PACKAGES OVERVIEW

WP1 Project Management
Technical coordination
Planning, monitoring, reporting

WP2 Distributed platform architecture
Requirements, use cases, reference architecture, development of platform components

WP3 Core Tools for data analysis
Requirements, use cases, development

WP4 Crowd based service innovation
Methods & tools specification, development

WP5 Domain-specific demonstrators
Specification, implementation, validation

WP6 Standardisation
Dissemination & Exploitation

SITAC PROJECT PARTNERS

- Large companies (4)
- SMEs (8)
- Universities (4)
- Research institutes (2)

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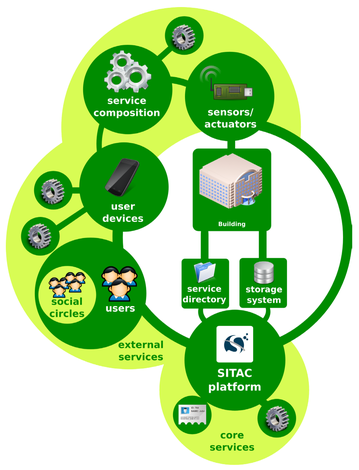
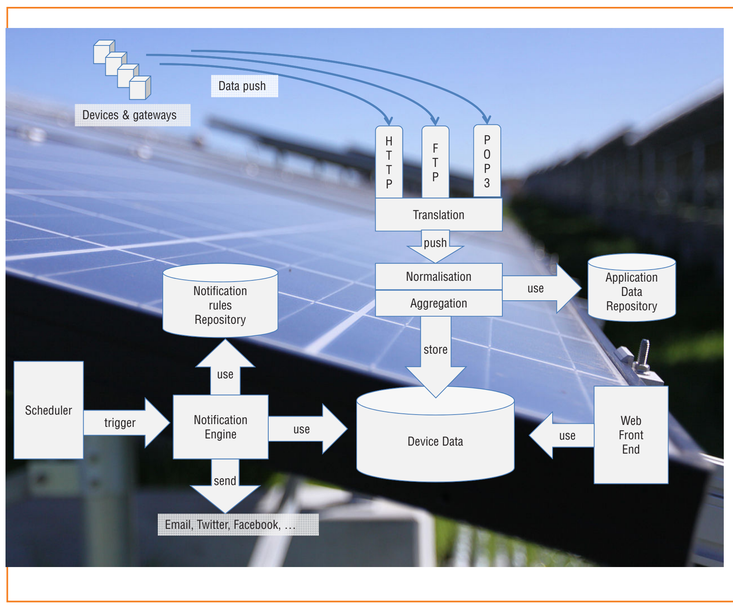


CROWD-BASED BUILDING MANAGEMENT INTELLIGENT SYSTEM

- Gathering information from sensors distributed throughout the building
- Collaborative energy efficiency management
- Smart Social Environment for Service and Data sharing
- Community creation of cooperative applications and services
- Intelligent recommendation system that combines information from several sources



SOLAR ENERGY PRODUCTION MANAGED BY USERS

- Operation monitoring and production optimization of a power plant
- Data collection, aggregation and analysis from meters, inverters, sensors
- Social alerts: Low production warning by comparison with neighboring producers
- Community sharing: production reports, reviews on PV hardware and subcontractors

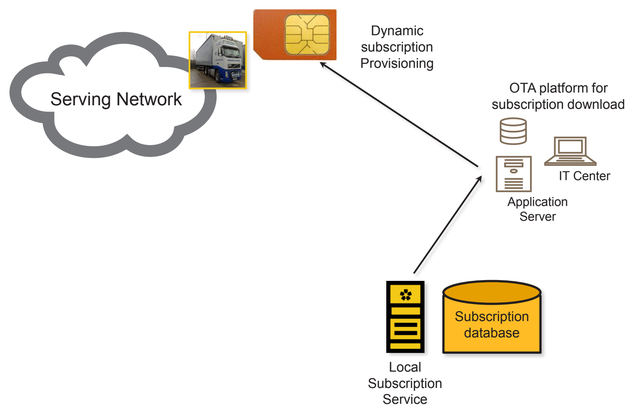
HOME APPLIANCES

- Energy monitoring for connected home appliances
- User can control the operation of white goods to lower their consumption
- A mobile application allows the user to monitor and configure home appliances operation with the aim of reducing energy consumption

NETWORK IDENTITY AND SUBSCRIPTION MANAGEMENT

Global One-Stop-Shop Telecom Subscription Management for IOT deployments and business models:

- what: Remote adaptation of a device's telecom subscription to optimize costs, coverage and QoS
- why: while keeping a unique (soldered) USIM in a device for usage across the globe, adapting its profile to local usage
- How: Remotely changing the device telecom subscription to jog from global roaming to local subscription with local rates



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