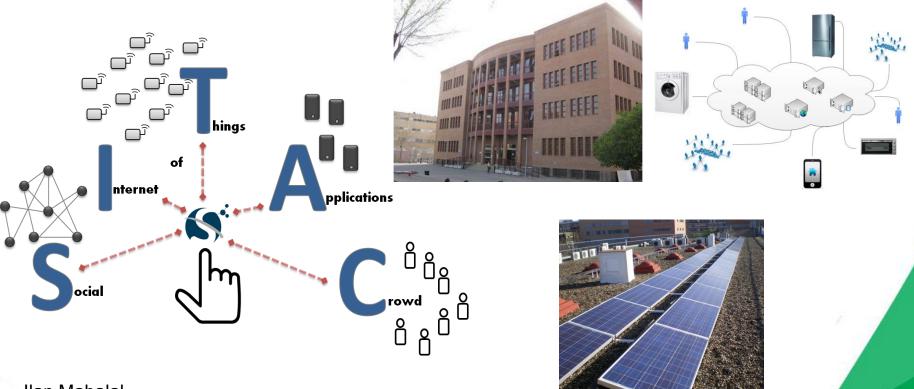
SITAC

Social Internet of Things: Apps by and for the Crowd



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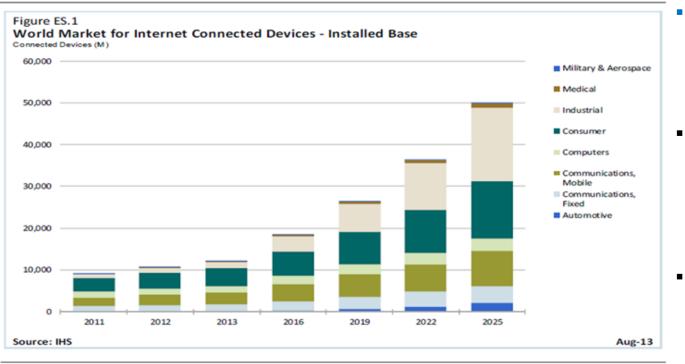




SITAC market relevance IoT related market analysis



Executive Summary



- Exponential growth in the number of connected "smart things" is expected
- Will bring a tidal wave of data, driving communications, storage and advanced analytics
- In many cases the value of the data will outweigh the value of the device collecting the data, transforming the value proposition

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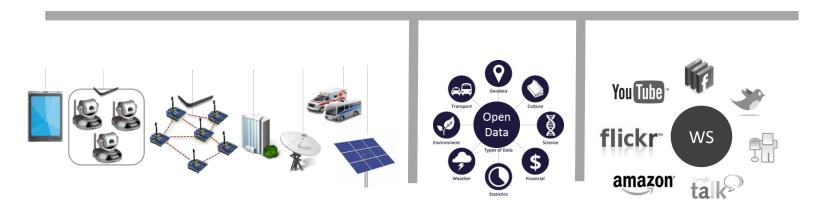
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SITAC main objectives

- Create a platform & eco-system that enable new service innovation
 - Secure IoT data sharing with social network paradigm
 - Crowd (i.e. social network users) participation in collaborative development of new applications & services
 - Deliver data analysis and recommendation techniques







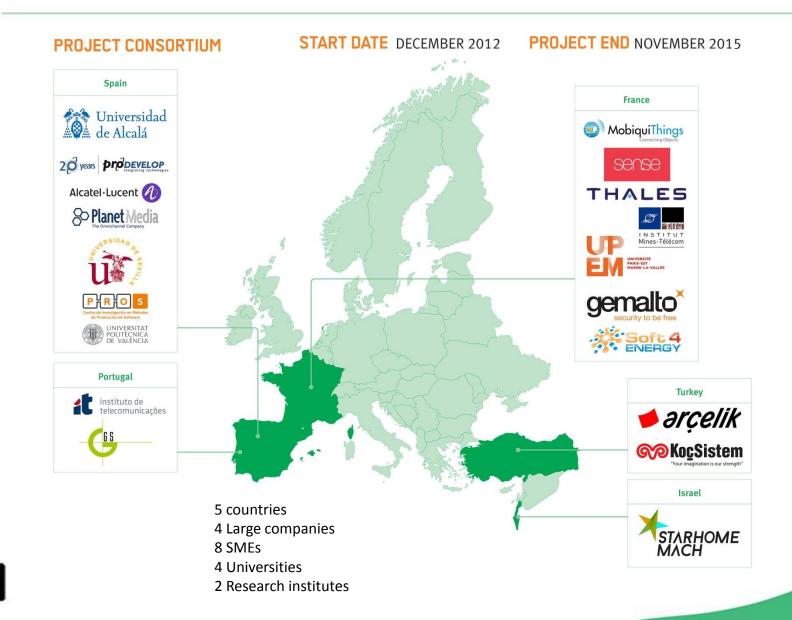
Main innovation aspects

- Integration of three successful paradigms (social network, data analysis, crowd based applications) in a common IoT platform and with mutual interchanges
 - Allow individuals and industries to create personalized and **secure resource sharing** (physical, data, services...)
 - Ease Crowd based applications & services development
 - Ease integration with **data analysis** and **recommendation techniques**



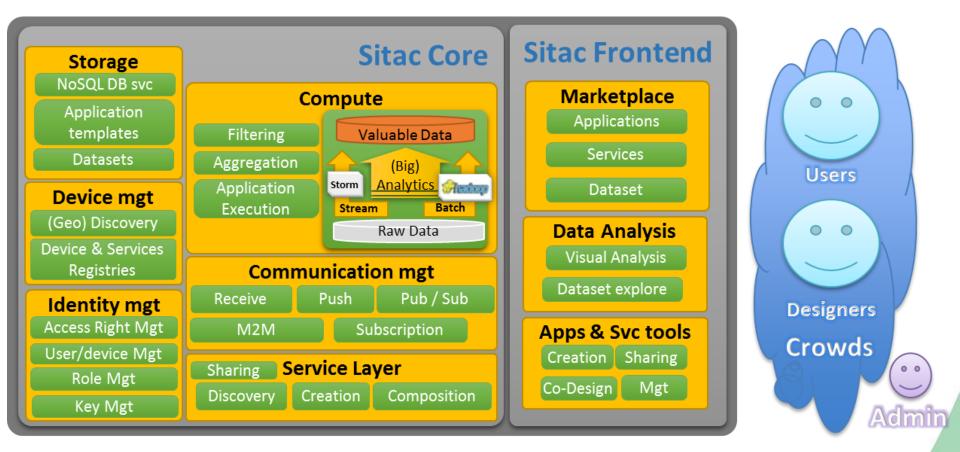


Project consortium



Functional architecture

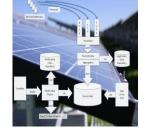






SITAC demonstrators

- Social Green Building
 - Services and data sharing with social circles, Service creation by the crowd
- Solar Energy production managed by users
 - Secure data collection & sharing, Social network of producers and their equipment, Applications by the crowd
- Controlling and Monitoring of Home Appliances
 - Control of operation & monitoring, energy monitoring
- Network identity & subscription management
 - M2M network enabler for connected objects introducing new business roles and solutions



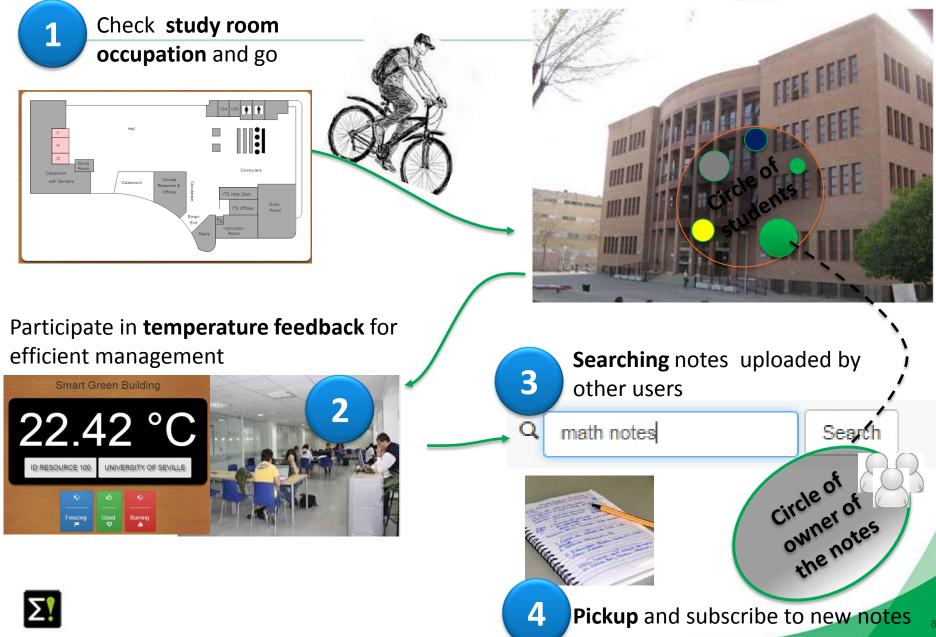






SGB Story Board: student perspective







Current achievements

- Platform architecture
 - components, functions & models
- Social and Crowd based
 - Crowd based service composition & creation
 - Crowd based application creation
- Data Analysis
 - Stream data processing environment
 - Batch data processing environment
 - Semantics based resources recommendations



Business opportunities

- Exploiting & selling data from physical resources
 - Examples: port authorities, building owners, mall owners, preventive maintenance, etc.
- Offering suitable services/products for user profiles, based on user activity & preferences
- C2C & B2C business enabler, allowing crowd to sell contents and services









Thank you for your attention We value your opinion and questions



