

WoO

Web of Objects

PROJECT SUMMARY

Build on IoT and WoT, make objects smarter enabling them acting in secured choreographies towards making easy the development of complex business IoT applications.

OBJECTIVES

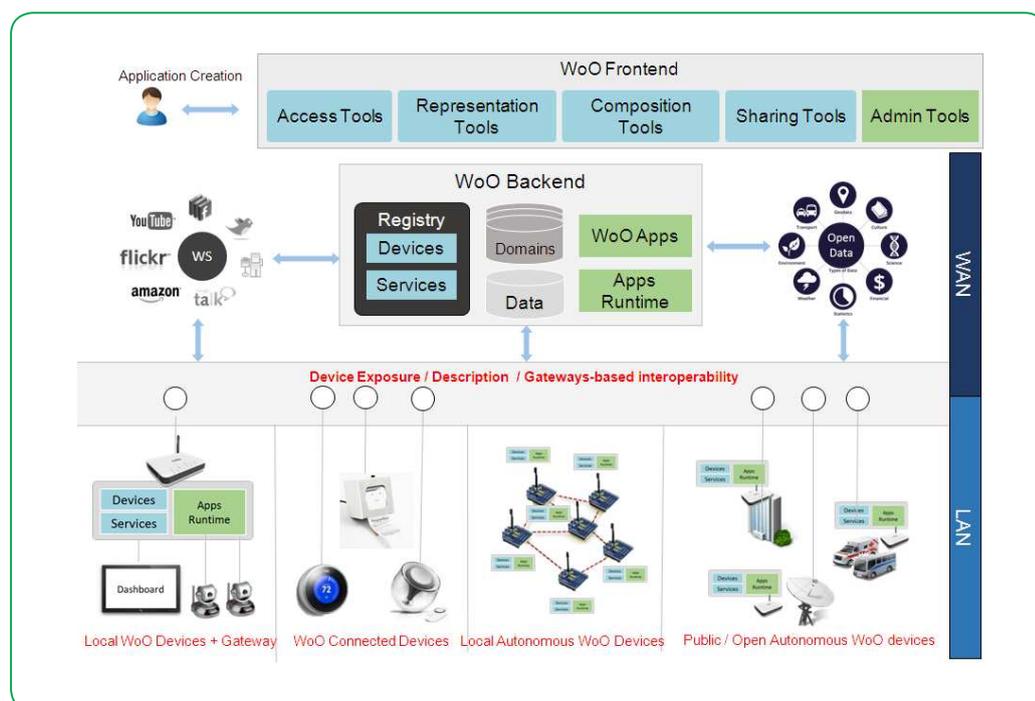
- Devices & services Interoperability
- Service adaptation to context
- Increased security
- Devices dynamic discovery, reconfiguration and cooperation

BUSINESS VALUE

- Migrate of the existing business applications to the Web of Objects
- Acquire new business collaboration based on devices and services sharing
- Towards automated & decentralized system operation

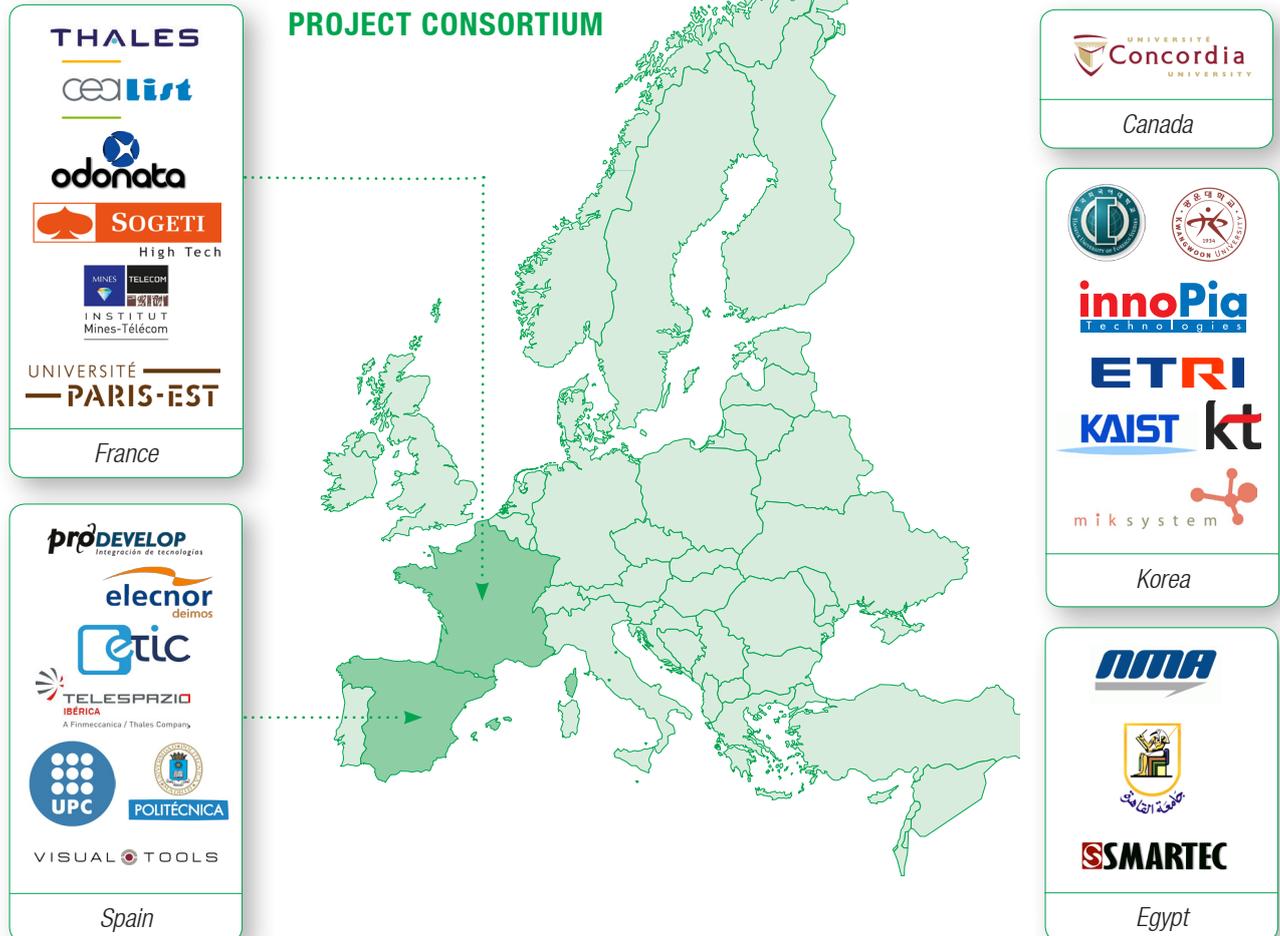
EXPECTED RESULTS

- Service infrastructure for IoT business applications enabling multi-tenancy, interoperability, service composition
- Semantic-based reasoning tools



WoO

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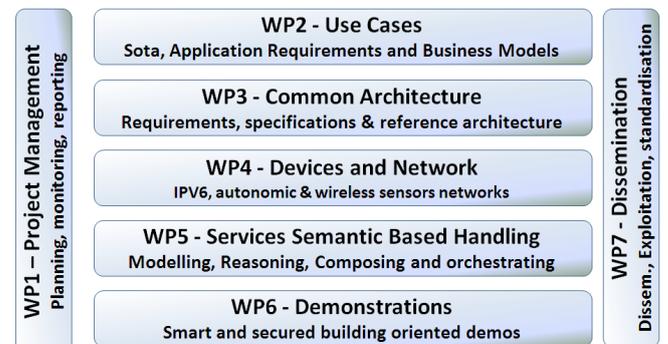
PROJECT START

January 2012

PROJECT END

December 2014

WORK PACKAGES OVERVIEW



WEB OF OBJECTS PARTNERS

- Large companies (6)
- SMEs (7)
- Universities (7)
- Research institutes (5)

CONTACT

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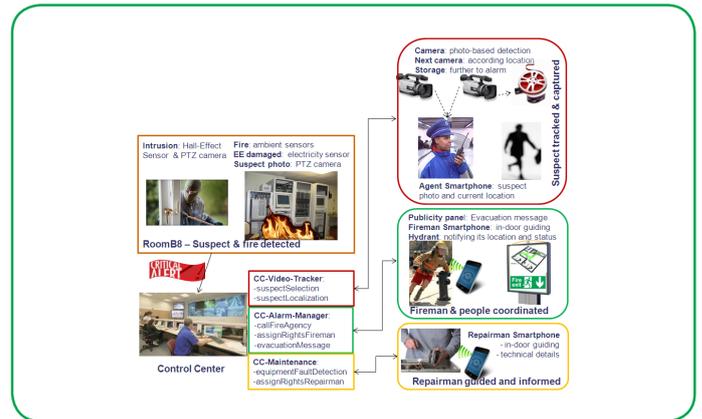
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WoO Demonstrators

Web of Objects

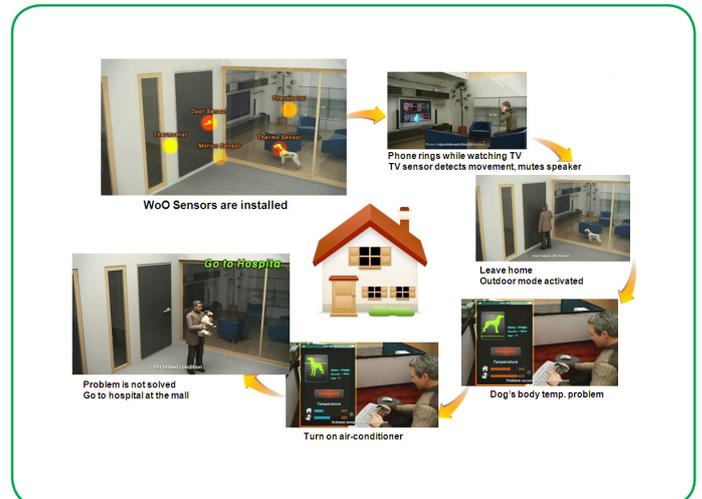
COOPERATIVE OBJECTS FOR SECURED & SMART BUILDINGS

- Multiple levels interoperability with proxies and gateways
- Behaviour Composition
- Context recognition
- Semantic-based reasoning



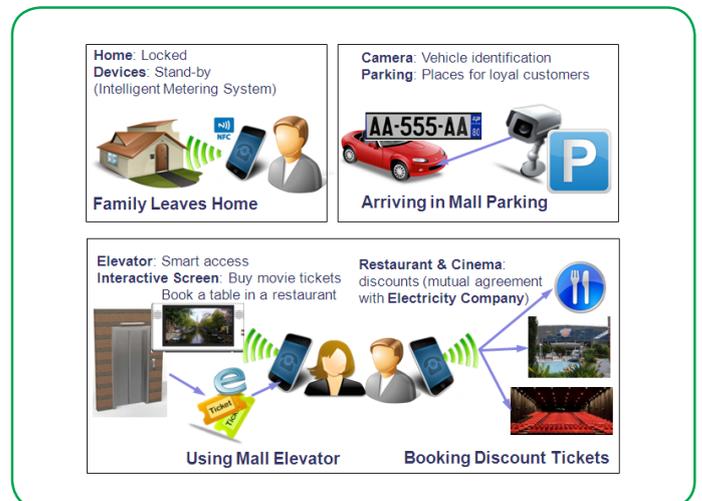
ONE EVENING FROM HOME TO THE MALL

- NFC-Based personalized access to services provided by home, personal car, parking, shopping mall's objects and commercial actors



SMART EMERGENCY SURVEILLANCE IN HOME AND IN SHOPPING MALL

- Dynamic service creation based on semantics & context
- Pet Care service
- IPTV service platform based on Smart streaming protocol



AUTONOMOUS ENERGY EFFICIENT CLIMATE CONTROL

- Smart Monitoring & Diagnostic
- Mote Placement Optimization Tool