RADICAL: RApid Deployment and adoption of sustainable socially-aware and intelligent sensing services for emerging smart cities

Exploring and addressing the challenges of cities' dense social ecosystems has gained focus, with various initiatives aiming at contributing towards combining competitiveness and sustainable urban development. In the Aalborg Future Internet (FI) Assembly a number of EU cities (such as Santander, Aarhus, Berlin, Manchester) signed a manifesto targeting at exploiting and driving FI research for smart cities. Nevertheless, there are various dimensions regarding efficient service provision: technology, socio-economics, governance and legal. While research outcomes have been made available, yet the structured and rapid development of services that will shorten time to market and allow integrators (SMEs) to get involved into smart cities business is not supported. RADICAL will enable the development and deployment of interoperable pervasive multi-sensory and socially-aware services, by leveraging Internet of Things (IoT) and Social Network (SN) technologies, emerging from leading edge R&D results from the SmartSantander, BonFIRE, SocIoS, and +Spaces projects. The RADICAL platform will also facilitate smart governance and flexible replication of services across cities and regions, through mechanisms that assess the cities' peculiarities in terms both of their technical infrastructures and of the socio-economical characteristics and the legal and governance environments. RADICAL will integrate, deploy and pilot seven services in the areas of Cycling Safety, Green Products Management, Data Journalism, Participatory Urbanism, Augmented Reality, Eco-consciousness and Commercial and transactional data for pedestrian flows. These services will be supported by five SMEs and accordingly replicated across six smart cities and one region. Over 3100 citizens will be actively involved in the co-creation, validation and evaluation of the RADICAL approach, on the basis of an innovative Living Labs approach, which will exploit SN information to involve representative users samples.

Project ID card

- Funded under: The Information and Communication Technologies Policy Support Programme
- Area: CIP-ICT-PSP.2012.1.3 - Open Innovation for Internet-enabled services and next generation access (NGA) in smart cities
- Total cost: €5.50m
- EU contribution: €2.75m
- Project reference: 325138
- Execution: From 01/03/2013 to 29/02/2016
- Project status: Running
- Contract type: The Information and Communication Technologies Policy Support Programme PB Pilot Type B

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