European Commission

IES Cities

Internet-Enabled Services for the Cities across Europe

IES Cities adapts and uses most of the technical components and achievements coming from previous projects in order **to facilitate the use of an open technological platform in different cities across Europe, allowing the citizens to produce and consume internet-based services based on their own and external data related to the cities.**

AT A GLANCE

Title:
Internet-Enabled Services for the CITIES across Europe

Instrument:
Pilot Type B - CIP-ICT-PSP-PB

Total Cost: 4,200,002 €

EC Contribution: 2,100,000 €

Duration: 3 years

Start Date: 1 January 2013

Consortium:
13 partners from 5 countries

Project Coordinator:
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Key Words:
Smart cities, open-platform, super prosumer, user-centred services, open application marketplace

The Challenge

Why internet-enabled service in "Smart" cities now and not before? First the cities need to be sustainable, offering the current but also new services, and improving the quality of life of the citizens and the environment. The Cities business models, until now used (in many cities based on the incomes from the sale of grounds business), are not anymore possible, therefore the cities need, urgently, sustainable and efficient resource management. Additionally to this change of city concept, the citizens consider the ICT technology as a facility, something usual in their everyday life. IES Cities will adapt and use most of the technical components and achievements coming from previous projects to validate internet-enabled services based on an open platform where the information is provided by Open Data and the citizens, in order to advance in the implementation of these new concepts from the theory to the reality. **IES Cities wants to be a step ahead in the evolution of the cities to "smart" cities**.

Project Objectives

The IES Cities European project main objectives are to:

- Create a **new open-platform** adapting the technologies and **over taking the knowledge from previous initiatives**.
- **Validate and test a set of predefined services** across the involved cities via **local pilots** and based on the open platform.
- **Adequately manage the users' interaction** within the project framework for the inclusion of end users in the pilots and their behaviour during the validations.

The Approach

The added value of IES Cities strives on the fact that no project before has considered so much the extent of **the impact that the users may have on improving the open data in which services are usually based**. The **user-centred approach** is a must for the success of the project. The target group of the project will be citizens, SMEs, ICT-Developing companies and public administration. **IES Cities will provide a platform for different users in four cities across Europe**. Each city will initially test the functionalities of the platform with different services, different at each location, in order to **allow the users and the cities covering different needs under a common platform**. The users will be able at all moment to enrich the services with their own data and purposing new development to be tested. The pre-defined services are different depending on the city where they will be deployed, as not all the cities count with the same data and the same needs for their citizens. These services will be focused on different areas (mobility, environment, health, culture, knowledge of the cities, etc.)

Target Users and their Needs

IES Cities has detected the following groups of users.

Citizens: One of the aims of IES Cities is increasing the knowledge of a city by their population as well as increasing the value of the data from it, making it useful for their inhabitants and visitors around, giving an added value to the existing data and involving the users, in a way that they can be considered at the same time producers and consumers of contents (super-prosumer concept). There will be different types of citizens using the services, like passengers in the transport networks, patients suffering from a certain illness, drivers, carers, students, business people, families, etc.

SMEs: aligned with the work programme, the open platform in the project, will allow the creation of services benefiting the local businesses. For instance, the owner of a shop or several ones could generate a service to score the quality of their products, offering special discounts according to the citizens' inputs or position etc. The potential impact to foster local businesses, given an open platform of these characteristics, is enormous.

ICT-developing companies: The open platform infrastructure will enable the chance to create new apps and services based on likes and needs of final users, bringing new possibilities and added value to these users.

Public administration: the interaction with the users will enable them to improve and foster the use of their deployed sensors in urban areas and open databases.

Local Pilots

The selected cities are very different in size and nature, providing a good field for the trials of the platform, proving, this way, not only the transnational viability of the technologies used, but also the validity of the technologies supporting all kinds of cities across Europe.

Zaragoza (ES) will make use of the open data, sensors and information from the city and the inputs from users combined with the platform coming from previous projects such as MUGGES, uService or mCiudad.

Bristol (UK) will make use of the open data initiative from the city, the results of another CIP ICT PSP project 3eHouses and the existing deployed sensors in homes for the assisted living services, all together combined with the platform coming from previous projects such as MUGGES, uServices or mCiudad.

Rovereto (IT): will make use of the data from the city, their users and the platform, currently used in Smart Campus project, called eTerritory. Their services will be mainly focused to the field of mobility and transport for the citizens in the town and the area.

Majadahonda (ES): will also make use of the data from the city and the open platform from the previous projects. Their services will be focused in providing information about cultural resources, events in town and related information from the sensors deployed.

Evaluation

A thorough **evaluation of the pilot phases** will be carried out by combining online surveys completed by final users with analysis of the logs gathered during service at the users' smart phones in order to get feedback from the usage of the application and the services. The users will have a central role in the project, and this is one of the key points to be covered by the local authorities involved in the project.

PROJECT PARTNERS	
1. TECNALIA Research and Innovation (ES)	8. Ayuntamiento de Zaragoza (ES)
2. University of Deusto. Deustotech (ES)	9. Ayuntamiento de Majadahonda (ES)
3. Bristol City Council (UK)	10. Geko Navsat S.L. (ES)
4. Knowle West Media Centre (UK)	11. Warp Networks, S.L. (ES)
5. Toshiba Europe Research Labs (UK)	12. Amis d.o.o. (SI)
6. Comune di Rovereto (IT)	13. Konrad-Zuse-Zentrum für Informationstechnik Berlin (DE)
7. Fondazione Bruno Kessler (IT)	