



21th of November, 2013

# **SIMPLI-CITY** The Road User Information System of the Future

**In one sentence, SIMPLI-CITY will provide the road user information system of the future – helping drivers to make their journey safer, more comfortable, and more environmentally friendly.**

## **Project acronym:**

SIMPLI-CITY - The Road User Information System of the Future

## **Projects coordinator**

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## **Project partners:**

Ascora GmbH,  
TIE Nederland B.V.,  
Technische Universität Darmstadt,  
IBM Ireland Product Distribution Limited,  
Forschungsgesellschaft Mobilität – Austrian  
Mobility Research FGM-AMOR gGmbH,  
Talkamatic AB,  
Atos Worldline,  
Centro Ricerche Fiat SCPA  
SRM – SOCIETA RETI E MOBILITÀ SRL

## **Duration:**

1st of October 2012 - 1st of October 2015

## **Total cost:**

4,908,445.00 €

## **EU funding:**

3,591,991.00 €

## **Project website:**

[www.simpli-city.eu](http://www.simpli-city.eu)

## **Rationale**

Analogously to the “App Revolution”, SIMPLI-CITY adds a “software layer” to the hardware-driven “product” mobility. SIMPLI-CITY will take advantage of the great success of mobile Apps that are currently being provided for systems such as Android, iOS, or Windows Phone. These Apps have created new opportunities and even business models by making it possible for developers to produce new applications on top of the mobile device infrastructure. Many of the most advanced and innovative Apps have been developed by third party players.

In order to facilitate an App Revolution in the mobility domain, it is necessary to develop the underlying technologies and software frameworks.

## **Objectives**

SIMPLI-CITY will support developers to efficiently realise and sell their mobility-related service and App ideas by a range of methods and tools, aiming at data integration, service development, and end user interaction. All functionalities facilitated and provided by SIMPLI-CITY are provided in an open, extendable framework.

## Results

SIMPLI-CITY will provide such a framework by facilitating the following main project results:

**Mobility Service Framework:** A next-generation European Wide Service Platform (EWSP) allowing the creation of mobility-related services as well as the creation of corresponding Apps. This will enable third party providers to produce a wide range of interoperable, value-added services, and Apps for drivers and other road users.

**Mobility-related Data as a Service:** The integration of various, heterogeneous data sources like sensors, cooperative systems, telematics, open data repositories, people-centric sensing, and media data streams, which can be modelled, accessed, and integrated in a unified way.

**Personal Mobility Assistant:** An end user assistant that allows road users to make use of the information provided by Apps and to interact with them in a non-distracting way – based on a speech recognition approach. New Apps can be integrated into the Personal Mobility Assistant in order to extend its functionalities for individual needs.

To achieve its goals, SIMPLI-CITY conducts original research and applies technologies from the fields of Ubiquitous Computing, Big Data, Media Streaming, the Semantic Web, the Internet of Things, the Internet of Services, and Human-Computer Interaction.

For more information, please refer to the project website at <http://www.simpli-city.eu>.

## Project Structure

The Work Package (WP) Vision and Requirements (WP2) and the Architecture, Functional & Technical Specification, Security & Privacy Concept, Integration (WP3) provide the foundation for SIMPLI-CITY. Hence, most of the work conducted in these WPs is conducted in the first year of the project. Based on that, WPs 4 to 6 provide the core RTD parts of SIMPLI-CITY, namely researching Mobility Related Data as a Service (WP4), drafting the Mobility Service Framework (WP5) and presenting it to the user in form of a Personal Mobility Assistant (WP6). Based on their results, the (industrial) validation and real world piloting is done in two use cases: Meeting the Increased Mobility Demand (WP7) where there will be a test bed in Bologna and in Dublin, and Enhancing the Driving Experience (WP8) in cooperation with the automotive partner. These use cases will provide a wide range of mobility-related services and end user applications. Exploitation, Dissemination, Collaboration, and Standardisation (WP9) will happen across the duration of the project but the majority of exploitation, dissemination, and standardisation activities will be in the last 12 months. Project Management, Quality Assurance and Reporting (WP1) of course are pervasive throughout the duration of the project.

### For further information:

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