SIMPLI-CITY (eng)

http://simpli-city.eu

In order to foster the wide usage of new services and mobile apps for road users, the project SIMPLI-CITY aims at providing a holistic framework which structures and bundles potential services able to deliver data from different sources to road user information systems. SIMPLI-CITY aims at facilitating two main RTD results:

1. A next-generation European wide service platform allowing the design of mobility-related services as well as the creation of corresponding apps. This enables third party providers to generate a wide range of interoperable, value-added services, and applications for drivers and other road users.
2. An end user assistant allowing road users to employ info provided by applications and interact with them in a non-distracting way – based on a speech recognition approach.

Analogously to the “App Revolution”, SIMPLI-CITY adds a “software layer” to the hardware-driven “product” mobility. SIMPLI-CITY takes advantage of the great success of mobile apps that are currently being provided for systems such as Android or iOS. These apps have produced new opportunities and even business models by making it possible for developers to create new applications on top of the mobile device infrastructure. Many of the most advanced and innovative services have been developed by new players, who brings in fresh ideas. Hence, SIMPLI-CITY supports third party developers to efficiently realize and sell their mobility-related service ideas by a range of tools and methods.

SIMPLI-CITY delivers a Mobility Service Framework, which is the foundation for all services and end user applications

facilitated by the project. Based on the latest developments in Service-oriented Computing, the framework introduces mobility-specific extensions which allow service invocation on different mobile devices whilst considering connectivity quality and other context-related information.

SIMPLI-CITY follows the Mobility-related Data as a Service approach allowing data from sensors, cooperative systems, telematics, open data repositories, user-centric sensing, and media data streams to be modelled, accessed, and integrated in a unified way. The Mobility-related Data as a Service approach of SIMPLI-CITY goes far beyond the current possibilities to exploit data in common apps.

The SIMPLI-CITY Personal Mobility Assistant (PMA) will allow end users to interact with services in an intuitive, non-distracting way. The PMA is a voice-based, multimodal user interface and execution environment. It allows application interaction without distracting the potential users, such as drivers, in a much more convenient and precise way than current solutions, e.g., Apple’s Siri. New applications can be integrated into the PMA in order to extent its functionalities for individual needs.

The project has a total budget of about EUR 5 million and a duration of 36 months from October 2012 to October 2015. The consortium is made up by the following partners, involving mobility and ICT stakeholders as well as SMEs and research organizations.

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