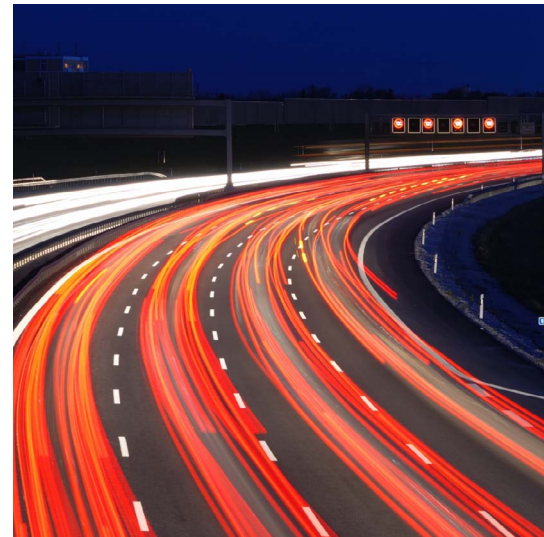


NEWSLETTER

SIMPLI-CITY - THE ROAD USER INFORMATION SYSTEM OF THE FUTURE



SIMPLI-CITY-Workshop “Business meets Science” on ITS Helsinki

On the **16th of June**, SIMPLI-CITY will be hosting a **workshop on ITS-Helsinki** with the topic “*Business meets Science*”. Experts from science and business will discuss future trends of Information Systems with a special focus on Road User

Information Apps and services. The interactive workshop includes a mixture of presentations, discussions and a panel session. Find the detailed agenda on the SIMPLI-CITY website and take the chance to:

[> REGISTER NOW!](#)

SIMPLI-CITY User survey

At the beginning of 2014 SIMPLI-CITY conducted a survey in order to obtain road-users' point of view regarding the usefulness of the planned SIMPLI-CITY Apps. 239 people* filled-in the online questionnaire and gave their ratings on a scale from 0 (= not useful) to 5 (= very useful). The top-ranked Apps were those, which notify the user of anticipated delays along the

planned route and suggest the best alternative route, provide the user with real-time information about the current state of traffic conditions and also about personally relevant traffic restrictions. The results of this survey will be used by SIMPLI-CITY for prioritisation of the Apps in the forthcoming development and implementation process.

* This number is a very exceptional and untypical success for a research-driven user survey and shows the large interest in the SIMPLI-CITY outcomes.

Dear Readers

Welcome to the second SIMPLI-CITY Newsletter. Within this newsletter, you will find information about the SIMPLI-CITY User Survey as well as the award winning demo STAR-CITY. Both have received great interest by the general public and the research community, showing the timeliness and importance of the topics regarded in SIMPLI-CITY. We are very happy that we will be able to present the current status of the project at ITS Europe 2014 and cordially invite you to join us in Helsinki.

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simpli-city

The Road User Information System Of The Future

This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no 318201.



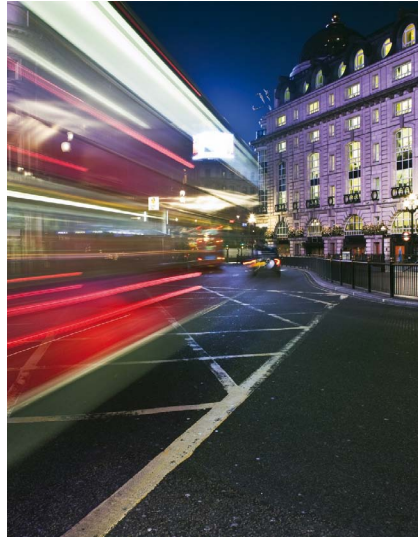
NEWSLETTER

SIMPLY-CITY - THE ROAD USER INFORMATION SYSTEM OF THE FUTURE

STAR-CITY: Semantic Traffic Analytics and Reasoning for CITY

As the number of vehicles on the road steadily increases and the expansion of roadways remains static, congestion in cities became one of the major transportation issues in most industrial countries. Urban traffic costs 5.5 billion hours of travel delay and 2.9 billion gallons of wasted fuel in the USA only, all at the price of \$121 billion. Even worse, the costs of extra time and wasted fuel have quintupled over the past 30 years. It also used to (I) stress and frustrate motorists, encouraging road rage and reducing health of motorists and (II) interfere with the passage of emergency vehicles traveling to destinations where they are urgently needed. All are examples of negative effects of congestion in cities.

Three ways can be considered to reduce congestion; one is to improve the infrastructure e.g., by increasing the road capacity, but this requires enormous expenditure which is often not viable in many urban areas. Promoting public transport in large cities is another way but it is not always convenient. Another solution is to determine where, when, and why congestion will be occurring, which will support transportation departments and their managers to proactively manage the traffic before congestion is reached e.g., changing traffic light strategy or re-routing for



efficient urban planning. SIMPLI-CITY addresses these challenges through one of its components called STAR-CITY (Semantic Traffic Analytics and Reasoning for CITY). The award winning system of SIMPLI-CITY (WP4 and WP7) for the semantic web challenge at ISWC 2013 (October 21st - 25th) in Sydney, which focused on the knowledge representation and reasoning layer of SIMPLI-CITY, presents a system supporting semantic traffic analytics and reasoning for city. This system (Video available on <http://dublinked.ie/sandbox/star-city/>) which integrates (human and machine-based) sensor data using a variety of formats, velocities and volumes, has been designed to provide insight on historical and real-time traffic conditions, all sup-



porting efficient urban planning. Our system demonstrates how the severity of road traffic congestion can be smoothly analyzed, diagnosed, explored and predicted using semantic web technologies. Our prototype of semantics-aware traffic analytics and reasoning, experimented in Dublin City Ireland, works and scales efficiently with real, historical together with live and heterogeneous stream data.

Find more information about
STAR-CITY:

http://challenge.semanticweb.org/2013/submissions/swc2013_submission_11.pdf

> Contact the author: Freddy Lecue

NEWSLETTER

SIMPLY-CITY - THE ROAD USER INFORMATION SYSTEM OF THE FUTURE

The SIMPLI-CITY Information App



user-basis, the App was developed for the major Smartphone Platforms Android and iOS. The iOS version takes just 2.2MB and is compatible down to iOS 4 and the iPhone 3GS. The 5-star rated Android version consumes 7.6MB of storage and is compatible for Android 2.2 "Froyo" and newer.

The following links provide the download location, or alternatively just scan the QR-code with your smartphone to install the app.

Download the App via QR-Code:

Nowadays, staying up-to-date is not an easy task. As a solution, SIMPLI-CITY provides a Smartphone App to stay in touch with project partners and interested people. It brings news and status updates about the navigation system of the future, even on the go. From now on, it will also notify you with push notifications.

A goal of SIMPLI-CITY is, to bring a smarter navigation-assistant to road-users. With an intuitive interface and understandable information, it creates a more comfortable, safer and easy way of driving.

Information about results and the actual status of the EU sponsored project are already published by project members on the project website (www.simpli-city.eu) since

the project kick-off. In addition, interested parties are now able to get information about the navigation-system of the future comfortably on the go.

An intuitive and easy interface provides comfortable access to news, actual progress, information, goals and partners of the project. In a download section, released Deliverables can be downloaded and shown.

The newest version brings an interesting feature to enhance the information process for the user. As soon as project-process news are available, the App will inform the user with push notifications about the actual progress in the SIMPLI-CITY project.

To bring the advantages to a wide

> IOS-Version:

<http://bit.ly/1gTWlor>



> Android-Version

<http://bit.ly/1f0i4PH>



NEWSLETTER

SIMPLY-CITY - THE ROAD USER INFORMATION SYSTEM OF THE FUTURE

New Deliverables on Website

SIMPLI-CITY wants to introduce you to some of its deliverables that are available at the website:

<http://simpli-city.eu/documents>

The **Project Vision Consensus Document** presents the general positioning of SIMPLI-CITY in terms of the challenges that the project is going to meet, the business and Research and Technical Development (RTD) objectives of SIMPLI-CITY, and general business opportunities facilitated through the project.

The **Target Market Sector Descriptor** describes the current market sector for SIMPLI-CITY in order to maximize future exploitation opportunities.

The **Requirements Analysis** lists

and describes the requirements of the SIMPLI-CITY project, which have the objective to identify the user needs and to describe the requisites of the SIMPLI-CITY architecture in order to fulfil those needs. These requirements will serve as a basis for the upcoming tasks of the project.

The **Global Architecture Definition** delivers a bird's-eye view of the SIMPLI-CITY components by showing the high-level architecture in a graphical way. Based on this, each software component is described in a detailed way.

The **Functional Specification** describes the SIMPLI-CITY software components in detail. Together with the Requirements Analysis Report,

the initial State of the Art Review, the Global Architecture Definition, and the Technical Specification, it provides the foundation for the Research, Technology, and Development work in the project.

The **Holistic Security and Privacy Concept** describes the concept for privacy and security aspects of the project and ensures that the concept is applicable to and followed by all SIMPLI-CITY software components.

Find interesting links to State of the Art articles to relevant related research areas:

<http://simpli-city.eu/state-art>

If you want to know more about SIMPLI-CITY, please visit the project's website:

www.simpli-city.eu

Upcoming Events

SIMPLI-CITY-Workshop "Business meets Science"

16th of June 2014, ITS Helsinki (FI)

Experts from science and business will discuss future trends of Information Systems and App development

> [Agenda and registration](#)

The 10th ITS European Congress 16 – 19 June 2014, Helsinki (FI)

This year theme of the 10th ITS European Congress is the "ITS in your pocket – proven solutions driving user services".

> [Link to website](#)

7th International Congress "Cities for Mobility"

1-3 June 2014, Stuttgart (DE)

Over 200 decision-makers and experts in the urban transport area will share experiences and approaches.

> [Link to website](#)

