



simpli-city

The Road User Information System Of The Future

WP9 – Exploitation, Dissemination, Collaboration and Standardisation

D9.5.3: Project Collaboration Report III

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This report compiles the feedback on collaboration activities performed with other related projects, clusters, and the Future Internet PPP.

The specific plan for collaboration was detailed in the “Collaboration Plan” due at M12 (as part of the first Project Collaboration Report), and it is followed by deliverables at the end of each period reporting the performed activities and updating the plans for the next periods.



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Note

This deliverable is subject to final acceptance by the European Commission.

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Executive Summary

This report compiles the feedback on collaboration activities performed with other related projects, clusters, and the Future Internet PPP¹.

The specific plan for collaboration was introduced in D9.5.1 in the section “SIMPLI-CITY Collaboration Plan”, and has been updated during the following periods, especially regarding the availability of public reports and other material produced during the second and third years of the project.

D9.5 series is the main outcome of task T9.5 “Collaboration with other Projects, Clusters and Future Internet PPP”. This task performed collaboration activities on different EU events and with other research projects and activities including those arranged and organised by the according Coordination and Support Actions (CSAs), namely *iMobility Support* and *iMobility Challenge*. The cooperation exploited synergies between the projects and increased the impact of the ICT initiative. Such impact should pave the way for the sustainability of the project in the recently started H2020, where “Smart, green and integrated transport” is one of the seven societal challenges tackled in the Europe 2020 priorities.

This deliverable complements the work done in task T9.3 Dissemination and Workshops, and served as input for the preparation of the project workshops foreseen under T9.3.

During the second and third periods, a major emphasis on concrete activities has been made. This resulted on the organisation of the first project workshop under the umbrella of the 10th ITS European Congress in Helsinki in mid June, and the final workshop at the New Mobility World/IAA in Frankfurt in September this year. In addition, there have been active participation of SIMPLI-CITY representatives in the EC FP7 ICT Call 7 & 8 Concertation Workshop, and the 4th iMobility Forum Plenary meeting, both taking place in Brussels in April 2014, and in the 1st MyWay Collaboration Workshop in Berlin in May 2015.

As result of these interactions, two documents, *A reference architecture based on SIMPLI-CITY and GET Service Project architectures*, and *A comparison between MOBiNET and SIMPLI-CITY projects*, were produced, and provided as complementary reports to D9.5.3.

¹ The Future Internet Public Private Partnership is a European programme for Internet-enabled innovation (<http://www.fi-ppp.eu/>)

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1 Introduction

SIMPLI-CITY – The Road User Information System of the Future – was a project funded by the Seventh Framework Programme of the European Commission under Grant Agreement No. 318201. Its results provide the technological foundation for bringing the “App Revolution” to road users by facilitating data integration, service development, and end user interaction.

1.1 SIMPLI-CITY Project Overview

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, iOS, or Windows Phone. These apps have created new opportunities and even business models by making it possible for developers to produce new apps on top of the mobile device infrastructure. Many of the most advanced and innovative apps have been developed by players formerly not involved in the mobile software market. Hence, SIMPLI-CITY supports third party developers to efficiently realise and sell their mobility-related service and app ideas by a range of methods and tools, including the Mobility Services and App Marketplaces.

In order to foster the wide usage of those services, a holistic framework is needed which structures and bundles potential services that could deliver data from various sources to road user information systems. SIMPLI-CITY provides such a framework by facilitating the following main project results:

- **Mobility Services 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 enables 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 conducted original research and applied 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>.

1.2 Deliverable Purpose, Scope and Context

The main target for the deliverables associated to Task T9.5 was to define a plan for collaboration and to compile the feedback on networking activities performed with other related projects and clusters, paying special attention to the other projects funded under same objective ICT-2011.6.7 (Cooperative Systems for energy efficient and sustainable mobility) and the Future Internet PPP. D9.5.3 updates and replaces the contents of D9.5.2.

1.3 Document Status and Target Audience

This document, as well as the others related to Dissemination, Standardisation and Collaboration activities, is listed as “public” in the work plan, as it provides valuable information about the networking activities of SIMPLI-CITY and can therefore be used by external parties in order to get according insight into the respective project activities. This public deliverable can also be useful for the other publicly funded projects, which may be interested in collaboration activities.

1.4 Abbreviations and Glossary

A definition of common terms and roles related to the realization of SIMPLI-CITY as well as a list of abbreviations is available in the supplementary document “Supplement: Abbreviations and Glossary”, which is provided in addition to this deliverable.

Further information can be found at <http://www.simpli-city.eu>.

1.5 Document Structure

This deliverable is broken down into the following sections:

Section 1 provides an introduction for this deliverable including a general overview of the project, and outlines the purpose, scope, context, status, and target audience of this deliverable.

Section 2 describes the specific plan for collaboration, revised in D9.5.2 in order to provide actual links to the materials already available after the first year

Section 3 identifies the community for collaboration: projects, clusters, initiatives, etc., extensively reviewed, paying special attention to those projects invited to the CE FP7 ICT Call 7-8 Concertation Workshop organised by the Commission

Section 4 describes all major performed activities in the last period

Section 5 gives a summary of the networking efforts described in this deliverable.

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2 SIMPLI-CITY Collaboration Plan

The collaboration plan described in this report covers the liaison and co-operation activities with other ICT projects with objectives similar to those of SIMPLI-CITY. The cooperation aims at exploiting synergies between the projects and increasing the impact of the ICT initiative. Exploitation of synergies between SIMPLI-CITY and the other projects consisted in participation to workshops, in contributions to working groups and in joint dissemination activities. During different liaison meetings, opportunities for collaborative business exploitation of the involved projects were discussed, with special focus on the service platform.

2.1 Areas of Collaboration

This section briefly recalls SIMPLI-CITY main objectives in order to cross-reference them with the main fields of interest of the Objective ICT-2011.6.7. These are:

- To foster the usage of full-fledged road information system – helping drivers to make their journey safer, more comfortable, and more environmentally friendly
- To create an European wide service platform allowing the creation of mobility services as well as creation of corresponding apps
- To create an end user assistant allowing 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
- To establish collaboration activities (like workshops, meetings, etc...) and with other relevant tasks (standardization, technical rules, etc...)

In Section 3.4 these objectives were used in order to identify main areas of collaboration with other projects.

2.2 Collaboration Tools

Project partners have made an identification of the dissemination material and other project documents which may be used to exchange information with others. Initial focus was on public deliverables, in order to avoid the need for bilateral agreements or Memorandum of Understanding (MoU) in order to share project restricted documentation. An important aspect, apart from the dissemination level of the material, was the time of availability. Main public dissemination material from the project was already available by the end of the first year of the project, including the first release of the SIMPLI-CITY newsletter.

Table 1: SIMPLI-CITY Public Reports and Availability²

#	Public Reports	Availability (Link is provided, in case the Deliverable is already available in the Project website)
D2.1	Project Vision Consensus Document	http://simpli-city.eu/sites/default/files/files/documents/D2.1v1.70_EC_Approved.pdf
D2.2	Target Market Sector Descriptor Report	http://simpli-city.eu/sites/default/files/files/documents/D2.2v1.10_EC_Approved_0.pdf
D2.3	Requirements Analysis Report	http://simpli-city.eu/sites/default/files/files/D2.3v2.0_EC_Approved.pdf
D2.4.x	State of the Art Wiki (updated version from Oct'14)	http://simpli-city.eu/sites/default/files/files/D2.4.3_State_of_the_Art_Wiki_v1.0_EC_Approved.pdf
D3.1	Global Architecture Definition	http://simpli-city.eu/sites/default/files/files/documents/D3.1v1.10_EC_Approved_1.pdf
D3.2.1/2	Functional & Technical Specification	http://simpli-city.eu/sites/default/files/files/documents/D3.2.1_v1.10_EC_Approved.pdf http://simpli-city.eu/sites/default/files/files/D3.2.2_Technical_Spec_v1.00_EC_Approved.pdf
D3.3	Security and Privacy Concept	http://simpli-city.eu/sites/default/files/files/documents/SIMPLI-CITY_D3.3_v1.10_EC_Approved.pdf
D4.1.2	Data Model Version II (Prototype)	http://simpli-city.eu/sites/default/files/files/D4.1.2_Data_model_Version_II_V1.00_EC_Approved.pdf
D4.2	Cloud-based Intelligent Infrastructure Prototype	http://simpli-city.eu/sites/default/files/files/D4.2_Cloud-based_Intelligent_Infrastructure_Prototype_v1.00_EC_Approved.pdf
D4.3.2	Sensor Abstraction and Interoperability Interfaces Prototype II	Jul'15 (pending approval)
D4.4.2	User-Centric Data and Open Data Management Prototype II	Apr'15 (pending approval)
D4.5.2	Media Data Streams and Data Prefetching Prototype II	Apr'15 (pending approval)

² According to the planning in the project Description of Work. Publication in the project website will depend on the official approval by the EC. Links provided visited on 2015-09-15

#	Public Reports	Availability (Link is provided, in case the Deliverable is already available in the Project website)
D5.1.2	Service Development API Prototype II	http://simpli-city.eu/sites/default/files/files/D5.1.2_Service_Development_API_Prototype_II_v1.00_EC_Approved.pdf
D5.2.2	Context-based Service Personalisation Prototype II	Apr'15 (pending approval)
D5.3.2	Service Registry Prototype	http://simpli-city.eu/sites/default/files/files/D5.3.2_Service_Registry_Prototype_v1.00_EC_Approved.pdf
D5.3.3	Service Runtime Environment Prototype II	Apr'15 (pending approval)
D5.4	Mobility Service and Application Marketplaces Prototypes	Apr'15 (pending approval)
D6.1	Dialogue Interface Prototype	http://simpli-city.eu/sites/default/files/files/D6.1_Dialogue_Interface_Prototype_v1.00_EC_Approved.pdf
D6.2.2	Voice-based Multimodal User Interface Prototype II	Apr'15 (pending approval)
D6.3.2	Mobile Application Runtime Environment Prototype II	Apr'15 (pending approval)
D6.4	Application Design Studio Prototype	Apr'15 (pending approval)
D7.1.2/D8.1.2	Use Case Specifications	http://simpli-city.eu/sites/default/files/files/D7.1.2_v1.00_For_Approval.pdf http://simpli-city.eu/sites/default/files/files/D8.1.2_Final_Use_Case_Specification_v1.00_For_Approval.pdf
D7.2/D8.2	Use Case Reports	Sep'15
D7.3/D8.3	Evaluation Reports	Sep'15

#	Public Reports	Availability (Link is provided, in case the Deliverable is already available in the Project website)
D9.2.x	SIMPLI-CITY Newsletters (I to V)	http://simpli-city.eu/sites/default/files/files/documents/D9.2.1_Newsletter_no1_final.pdf http://simpli-city.eu/sites/default/files/files/newsletter/SIMPLI_CITY_Newsletter_No2.pdf http://simpli-city.eu/sites/default/files/files/SIMPLI_CITY_Newsletter_No3.pdf http://simpli-city.eu/sites/default/files/files/SIMPLI_CITY_Newsletter_No4.pdf http://simpli-city.eu/newsletter/issues/fifth-issue-simpli-city-newsletter
D9.3.x	Scientific Dissemination Report	http://simpli-city.eu/sites/default/files/files/documents/D9.3.1_v1.3_EC_Approved.pdf http://simpli-city.eu/sites/default/files/files/D9.3.2_Scientific_Dissemination_Report_II_v1.00_EC_Approved.pdf Final in Sep'15
D9.4	Standardisation Engagement Report	Sep'15
D9.5.x	Project Collaboration Report (previous releases of this same Deliverable)	http://simpli-city.eu/sites/default/files/files/documents/D9.5.1_v1.2_EC_Approved.pdf http://simpli-city.eu/sites/default/files/files/D9.5.2_Project_Collaboration_Report_II_v1.00_EC_Approved.pdf Final in Sep'15 (this document)
N/A	Project website Exhibition materials: roll-up display, poster Promotional material	Publications: http://simpli-city.eu/documents Press information: http://simpli-city.eu/press-information
N/A	Project workshops (more in detail in section 4.1)	Jun'14, Sep'15

2.3 Consultation Strategy

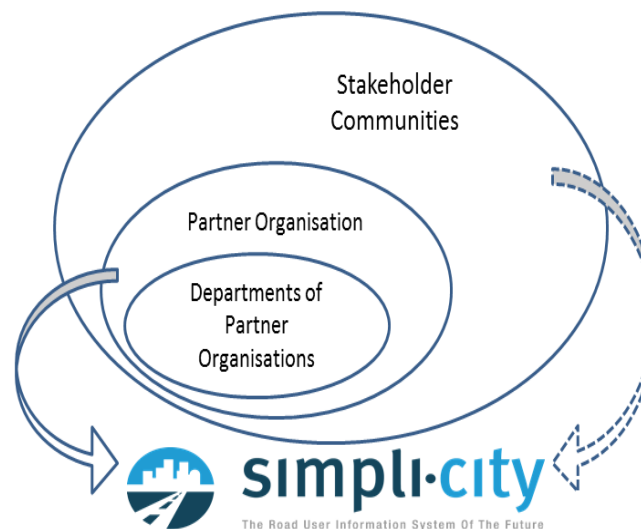


Figure 1: Consultation Activities; Dashed Lines Indicate Project External Inputs

Stakeholder consultations already have a history within SIMPLI-CITY, starting from the consortium building and the proposal writing. The project followed continuous consultation activities involving those departments of stakeholder organizations, which are part of the project consortium, as well as other departments of these organizations, and other stakeholders, which have been identified throughout task T9.5 (in this deliverable, with the identification of relevant projects and initiatives), but also supported by T9.3 (Dissemination) or T9.4 (Standardisation Engagement).

The abovementioned consultations were carried out in multiple ways. In a nutshell, the following techniques were considered:

- *Analysis of existing work*: in SIMPLI-CITY the outcome of existing initiatives, projects, programmes and forum activities have been collected through either available publications or through direct link with participants. This approach was often made easy by the fact that the project partners already participate in many of the relevant initiatives.
- *Interviews*: this is a "traditional" means of eliciting requirements in "one on one meetings". It is the primary technique to be adopted for acquiring knowledge from domain experts. Interviews can be formal (following a predefined list of questions) or informal (such as discussions with experts about the interesting domain). The interviews were carried out while meeting participants at SIMPLI-CITY workshops, but also following up spontaneous discussions at conferences and similar events with other interested experts.
- *Surveys*: complement the interviews with a second "traditional" mean of eliciting requirements, this time in a multi-stakeholder consultation. It is the secondary technique to be adopted for domain experts, or when partners' domain knowledge requirements sources are addressed. Surveys can be formal (following a list of questions with pre-define answers), or semi-formal (following a list of questions with answers in free-text; still, guidance on the style of the text might be given).

- *Reviews*: selected project-external experts may get access to project deliverables or other material, such as intermediate use case specifications, prior to publishing. They may be requested to quality review the provided material in terms of technical soundness and completeness with respect to a given scope, and providing input from according to the experience of the other projects in the areas of research in common with SIMPLI-CITY.
- *Open group discussions*: in contrast to interviews or reviews, which both address consultations with individuals, open group discussions allowed for more creativity and dialog between groups of participants with any combination of stakeholder representatives and SIMPLI-CITY consortium members. Such discussions happened during dedicated conference/workshop sessions, such as the ones in the middle and at the planned at the end of the project, but also online, in web meetings or discussion forums.
- *Joint Paper Writing*: one additional possibility explored was and consisting on another form of actively integrating external input is joint paper writing. Here, a group of representatives is for example requested to provide a position paper on project relevant fields. This activity can either be carried out by a completely external group, or in cooperation with a facilitator or editor from the SIMPLI-CITY project. As an additional benefit, if submitted to a workshop, conference or journal, external (usually anonymous) reviewers ensure overall quality and soundness.

As a conclusion, the project mainly used the first two, *Analysis of existing work* and *Interviews*, as well as *Open group discussions*; all others, were left out of scope.

2.4 Stakeholders

An analysis of the communication mission and identification of “Target Groups” of SIMPLI-CITY is done in D9.3.2 and shared with task T9.5. As result of this analysis, two main groups of stakeholders have been identified:

- “End target groups” who ultimately determine the success or failure of SIMPLI-CITY’s communication efforts. Within this group are included: *software developers, lecturers and students* at academic level, *research units* at EU level, *public authorities* and *automotive companies*.
- “Intermediary target groups”, defined as those who have the power to influence the attitudes and behaviour of the “end target groups”, e.g. *business consultants, project managers* and *mainstream and specialised media*.

As regards the Collaboration Plan, EU research units from the first group, and project managers from the second, are obviously the more relevant: addressing R&D Units in different Directorates-General, which could disseminate and promote the usage of SIMPLI-CITY results in internal software projects as well as in funded research projects under their supervision, and liaison with other Research, Technology, and Development (RTD) projects and programmes is relevant for exchange of knowledge and best practices.

The assignment of tasks among partners is provided via each of the promotional tools, products and services, according to responsibilities of the related deliverables. An overview is provided below:

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Table 2: Communication Sharing Roles

Tool, service, product	Task share between partners	
Roll-up display, Poster, Presentation Slide Library, Printed project information	Concept, design, text, production: FGM Support text: ASC All partners: use for dissemination of project, indirectly by providing news on website and deliverables	
Project workshops	Organisation and coordination: FGM Support of organisation and coordination: TIE All partners: contribution to organisation and content	
Lead on technical discussions/exchange depending on the subject	Vision consensus	TUV
	Requirements analysis	WORLD
	Global architecture	ASC
	Functional and technical specifications	TUV
	Security and privacy	ASC
	Use case definitions and reports, and Evaluation	CRF / SRM
	Information about the Prototypes	IBM, TUV, TALK

3 Collaboration Community

This section identified, during the initial part of the task, the community for collaboration, i.e. projects, clusters and related initiatives, paying special attention to the other projects funded under same objective ICT-2011.6.7 (Cooperative Systems for energy efficient and sustainable mobility) and the Future Internet PPP.

3.1 ICT Challenge 6: ICT for a Low Carbon Economy. Objective ICT-2011.6.7

This Challenge explores how ICT can contribute to delivering a sustainable, low carbon society and help progress towards the Europe 2020 targets on climate and energy. ICT can assist in reshaping the demand side of our energy-dependant society, reducing energy consumption, and subsequently CO₂ emissions, in particular in electricity distribution, buildings and construction, transport and logistics, the public sector, rural areas and cities.

SIMPLI-CITY is a Collaborative project funded under Objective ICT-2011.6.7 “Cooperative Systems for energy efficient and sustainable mobility”, and the rest of projects funded under the same Objective should be considered as a primary target for collaboration, in particular, and as already anticipated in the DoW, the Coordination and Support Actions and the EU FP7 IP MOBiNET.

In April 2014 European Commission and the iMobility Forum organized a Concertation workshop for the EC FP7 ICT Call 7 & 8 projects. SIMPLI-CITY participated in the session that considered the potential synergies amongst the group of projects concerned with mobility services. Table 6 has been updated in D9.5.2 including a short description for these projects which are studied in more detail in section 4.2.2. Furthermore, the list has been expanded with new projects from the final FP7 call, i.e. FP7-ICT-2013-10, where Objectives 6.5 (“Co-operative mobility”) and 6.6 (“Integrated personal mobility for smart cities”) are partially related to SIMPLI-CITY.

Table 3: Projects under Objectives ICT-2011.6.7³ and ICT-2013.6.6⁴

Acronym	Project title	Type	From	To	Short Description	Website
MobiS	Personalized Mobility Services for energy efficiency and security through advanced Artificial Intelligence techniques	Collaborative project	10/2012	05/2015	The main goal of MobiS is to create a new concept and solution of a federated, customized and intelligent mobility platform by applying novel Future Internet technologies and Artificial Intelligence methods that will monitor, model and manage the urban mobility complex network of people, objects, natural, social and business environment in real-time	http://www.mobis-euproject.eu/
iMobility Support	iMobility Forum support action for deployment of intelligent mobility in Europe	Coordination and support action	01/2013	12/2015	iMobility Support is a 3-year action supporting the deployment of intelligent mobility in Europe by organising the iMobility Forum activities including stakeholder networking, deployment support, awareness raising and dissemination of results of the ICT for smart, safe and clean mobility.	http://www.imobilitysupport.eu/
MOBiNET	Europe-Wide Platform for Cooperative Mobility Services	Collaborative project	11/2012	08/2016	MOBiNET will develop, deploy and operate the technical and organisational foundations of an open, multi-vendor platform for Europe-wide mobility services.	www.mobinet.eu

³ [http://cordis.europa.eu/search/result_en?as_fSUBPROG\[SPGA\]\[\]=ICT-2011.6.7&searchprojects=Search](http://cordis.europa.eu/search/result_en?as_fSUBPROG[SPGA][]=ICT-2011.6.7&searchprojects=Search); visited on 2014-09-16

⁴ [http://cordis.europa.eu/search/result_en?as_fSUBPROG\[SPGA\]\[\]=ICT-2013.6.6&searchprojects=Search](http://cordis.europa.eu/search/result_en?as_fSUBPROG[SPGA][]=ICT-2013.6.6&searchprojects=Search); visited on 2014-09-16

Acronym	Project title	Type	From	To	Short Description	Website
					Key MOBiNET innovations address the barriers to cooperative system-enabled service deployment, including the lack of harmonised services; availability of communication means; inaccessibility and incompatibility of transport-related data; fragmentation of end-user subscription and payment services; proprietary technologies in user devices; etc.	
TEAM	Tomorrow's Elastic, Adaptive Mobility	Collaborative project	11/2012	10/2016	TEAM aims at developing systems for participants in transportation networks, which help them to behave better – by explicitly taking into account the needs and constraints of other participants and the network itself. Focus will be placed upon decision-making in a time interval, above what is commonly associated with reactive safety (typically less than 5 seconds) and below long-term planning applications (typically 5 minutes and longer). In this interval human actors can employ modern technology to collaboratively devise socially optimal strategies.	http://www.collaborative-team.eu/
ICSI	Intelligent Cooperative Sensing for Improved traffic	Collaborative project	11/2012	04/2015	ICSI aims to give a qualitative leap towards the future mobility: this raises the implementation of a platform to merge and integrate	http://www.ict-icsi.eu/

Acronym	Project title	Type	From	To	Short Description	Website
	efficiency				heterogeneous data sources into a common system and provide a set of advanced tools for control, monitoring, simulation and prediction of traffic, that achieves a more safe, sustainable and uncongested road.	
iMobility Challenge	iMobility Challenge and Awareness Raising - iMobility Challenge	Coordination and support action	10/2012	09/2014	iMobility Challenge is a 24 months project aimed at demonstrating, promoting and boosting the deployment of ICT systems for efficient and sustainable mobility. The project will highlight both off-the-shelf products (i.e. technologies that have just been launched on the market) and emerging technologies addressed by current research. In particular focus will be placed on current EU Research conducted in the field of cooperative systems for energy efficient and sustainable mobility.	http://www.imobilitychallenge.eu/
COLOMBO	Cooperative Self-Organizing System for low Carbon Mobility at low Penetration Rates	Collaborative project	11/2012	10/2015	COLOMBO will focus on two traffic management topics: traffic surveillance and advanced traffic light control algorithms. Cost-efficiency and the reduction of vehicular emissions are the project's key targets.	http://www.colombo-fp7.eu/
GET Service	Service Platform for Green European Transportation	Collaborative project	10/2012	09/2015	GET Service platform is developed, with subsystems for information aggregation, real-time planning, transportation	http://getservice-project.eu/

Acronym	Project title	Type	From	To	Short Description	Website
					control and transportation service development. The GET Service platform contributes to the state of the art, by providing: novel real-time transportation planning algorithms; a transportation-specific service development subsystem, transportation control and reconfiguration mechanisms; and automated real-time information aggregation mechanisms.	
PEACOX	Persuasive Advisor for CO2-reducing cross-modal trip planning	Collaborative project	10/2011	09/2014	International collaboration between eight organisations from six countries aiming to provide travellers with personalised multi-modal navigation tools that allow, help and persuade them to travel and drive ecological friendlier.	http://www.project-peacox.eu
SUPERHUB	SUstainable and PERsuasive Human Users moBility in future cities	Collaborative project	10/2011	09/2014	User-centric, integrated approach to multi-modal smart metropolitan mobility systems, committed to the realisation of an open source platform and mobile app able to plan customised urban routes, combining all mobility offers in real time.	http://superhub-project.eu
e-COMPASS	eCO-friendly urban Multi-modal route PIAAnning Services for Mobile uSers	Collaborative project	11/2011	10/2014	eCOMPASS introduces new mobility concepts and establishes a methodological framework for route planning optimization following a holistic approach in addressing the environmental impact of urban	http://www.ecompass-project.eu

Acronym	Project title	Type	From	To	Short Description	Website
					mobility.	
MODUM	Models for Optimising Dynamic Urban Mobility	Collaborative project	10/2011	12/2014	MODUM addresses the environmental footprint in the transport sector by aiming to develop a new approach for proactive demand-responsive management of traffic. MODUM aims to enable energy-efficient multi-modal transport choices accommodating dynamic variations, minimising the environmental impact and improving the quality of life in urban environments. Moreover, MODUM will consider commuters, in combination of both private and public transport, facing dynamic conditions such as unexpected disturbances typical for urban environments	http://modum-project.eu
DECOMOBIL	Support action to contribute to the preparation of future community research programme in user centred Design for ECO-multimodal mobility	Coordination and support action	10/2011	09/2014	DECOMOBIL aims at developing and widely disseminating knowledge in the area of human centred design of ICT for sustainable transport.	http://decomobil.humanist-vce.eu
MOVESMART	Renewable Mobility Services in Smart Cities	Collaborative project (generic)	11/2013	10/2016	MOVESMART aims at providing time-dependent route planning and renewable personal mobility services using a set of crowd-sourcing tools for collecting real-time information by multimodal	http://www.movesmartfp7.eu

Acronym	Project title	Type	From	To	Short Description	Website
					travellers. The core of MOVESMART is a hierarchical urban-traffic infrastructure that is hosted and maintained by a cloud architecture.	
MyWay	European Smart Mobility Resource Manager	Collaborative project (generic)	09/2013	02/2016	MyWay project will investigate, develop and validate an integrated platform, the European Smart Mobility Resource Manager, including cloud-based services and facilities to support community supplied information collection and processing.	http://myway-project.eu
STREETLIFE	Steering towards Green and Perceptive Mobility of the Future	Collaborative project (generic)	10/2013	09/2016	STREETLIFE develops a multimodal urban mobility information system that provides mobile information services to end users in order to promote sustainable transport alternatives. Emphasis is put on personalized information to access mobility and efficient, integrated mobility planning.	http://www.streetlife-project.eu
MoveUs	ICT cloud-based platform and mobility services available, universal and safe for all users	Collaborative project (generic)	10/2013	09/2016	MoveUs aims to integrate scattered and heterogeneous mobility data coming from citizens, vehicles and infrastructures in a platform able to gather, transform and deliver it in a coherent and useful way.	http://www.moveus-project.eu
PETRA	Personal Transport Advisor: an integrated platform	Collaborative project (generic)	02/2014	01/2017	The aim of PETRA is to develop a service platform that connects the providers and controllers of	http://www.petraproject.eu

Acronym	Project title	Type	From	To	Short Description	Website
	of mobility patterns for Smart Cities to enable demand-adaptive transportation systems				transport in cities with the travellers in a way that information flows are optimized while respecting and supporting the individual freedom safety and security of the traveller. Travellers will get mobile applications that facilitate them in making travel priorities and choices for route and modality.	

3.2 Future Internet PPP (FI-PPP)

There was interest within the SIMPLI-CITY consortium to coordinate the project work with the Future Internet PPP programme, not only in order to avoid parallel efforts within the related projects of the programme and SIMPLI-CITY, but also to provide benefits for both sides resulting from collaborations. Especially the Future Internet Core Platform (FI WARE) and the outcomes of the use cases from the first phase Instant Mobility and OUTSMART are of interest to SIMPLI-CITY.

Apart from the fact that some SIMPLI-CITY partners were also involved in the programme, i.e., Worldline (through the Research and Innovation (ARI) department in Atos) and IBM, the initial interest did not result in concrete activities at the same level that for example, with the projects also funded under the FP7 ICT Calls 7 & 8.

Analysis of the FI-PPP Use Case projects that were of relevance to SIMPLI-CITY was updated after the programme entered in its second phase (see figure below) and both Instant Mobility and OUTSMART came to its end and new use case scenarios have started. Mobility did not have a clear continuation in the use cases selected for the second phase of the programme. Emphasis was then given to the technology foundation projects and its continuation.

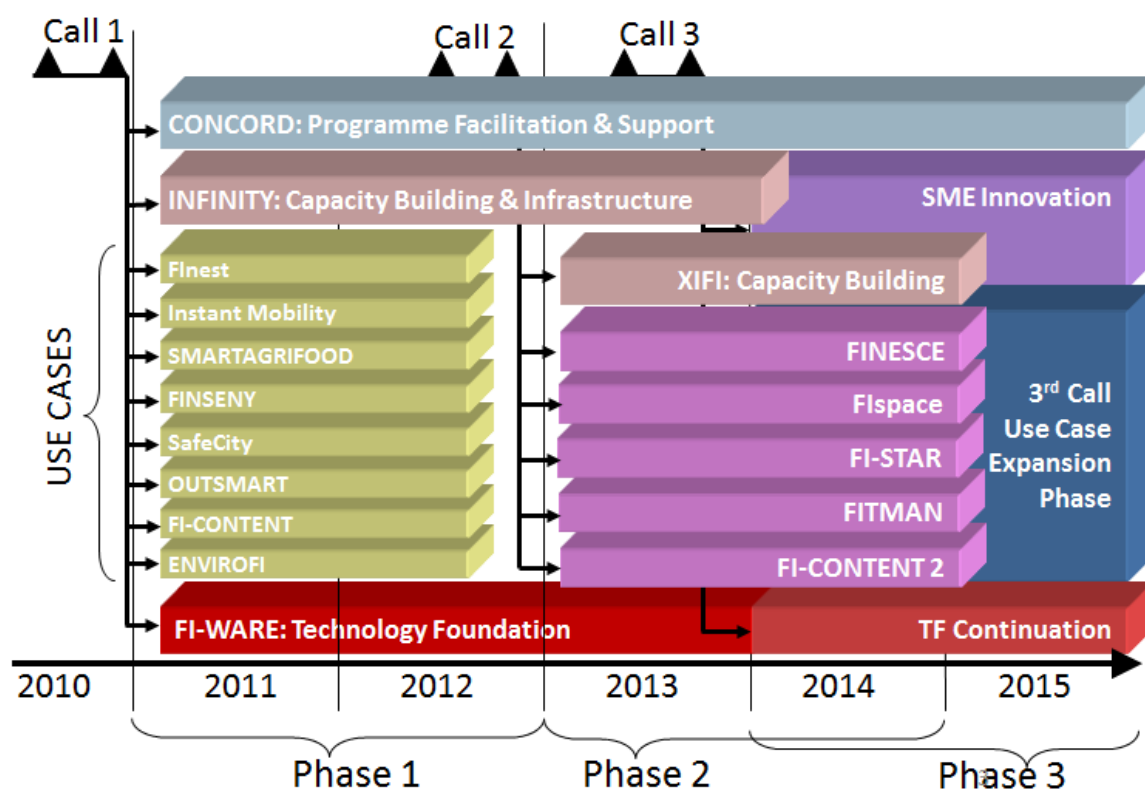


Figure 2: FI-PPP Programme and Running Projects

Table 4: FI-PPP Phase-2 Projects

Acronym	Project title	Type	From	To	Short Description	Website
FI-WARE (and cont.)	Future Internet Core Platform	Collaborative project	05/2011	04/2014	The goal of the FI-WARE project was to advance the global competitiveness of the EU economy by introducing an innovative infrastructure for cost-effective creation and delivery of services, providing high QoS and security guarantees. FI-WARE was designed to meet the demands of key market stakeholders across many different sectors, e.g., healthcare, telecommunications, and environmental services.	http://www.fi-ware.eu/
FINESCE	Future INternEt Smart Utility ServiCEs	Collaborative project	04/2013	03/2015	FINESCE was the smart energy use case project of the 2nd phase of the FI-PPP. From 2013 until 2015, FINESCE contributed to the development of an open IT-infrastructure to be used to develop and offer new app-based solutions in all fields of the Future Internet related to the energy sector. The project organized and run a series of field trials at trial sites in 7 European countries.	http://www.finesce.eu/
FIspace	Future Internet Business Collaboration Networks in Agri-Food, Transport and Logistics	Collaborative project	04/2013	03/2015 (extended to 09/2015)	FIspace developed a multi-domain collaboration and integration service, based on FI-WARE core platform and Future-Internet technologies, enabling new business models that	http://www.fispace.eu

Acronym	Project title	Type	From	To	Short Description	Website
					overcome these deficiencies.	
FI-STAR	Future Internet Social Technological Alignment in Healthcare	Collaborative project	04/2013	03/2015	FI-STAR established early trials in the Health Care domain building on Future Internet (FI) technology leveraging on the outcomes of FI-PPP Phase 1.	https://www.fi-star.eu
FITMAN	Future Internet Technologies for MANufacturing industries	Collaborative project	04/2013	03/2015 (extended to 09/2015)	The mission of the FITMAN (Future Internet Technologies for MANufacturing industries) project was to provide the FI-PPP with a set of industry-led use case trials in the Smart, Digital and Virtual Factories of the Future domains, in order to test and assess the suitability, openness and flexibility of FI-WARE Generic Enablers, this way contributing to the social-technological-economical-environmental-political sustainability of EU Manufacturing Industries.	http://www.fitman-fi.eu/
FI-CONTENT2	Future media Internet for large scale CONTENT experimentation (2)	Collaborative project	04/2013	03/2015	FI-CONTENT2 aimed at developing and experimenting across Europe cutting-edge ICT platforms for applications and services in the areas of social connected TV, smart city services, and pervasive games.	http://mediafi.org/ (Website of FI-CONTENT)

3.2.1 FI-PPP Phase 3

In phase 3 of the FI-PPP programme, starting in the second half of 2014, 16 new projects using new mechanisms to give over 80 million euros in grants to SMEs for application developments started.

The third phase of the Future Internet PPP builds on technological developments and trials performed in earlier phases. Seed-type activities are undertaken to generate actual take-up of innovative Internet services and applications.

Through open calls, the third phase was meant for SMEs and web entrepreneurs to develop highly innovative services and applications.

The 16 FI-PPP “accelerator projects” are publishing open calls for the distribution of grants to SMEs and Web entrepreneurs as of September 2014. SMEs and Web entrepreneurs may submit proposals to these Open Calls, in accordance with the requirements defined by the projects launching the Open Calls.

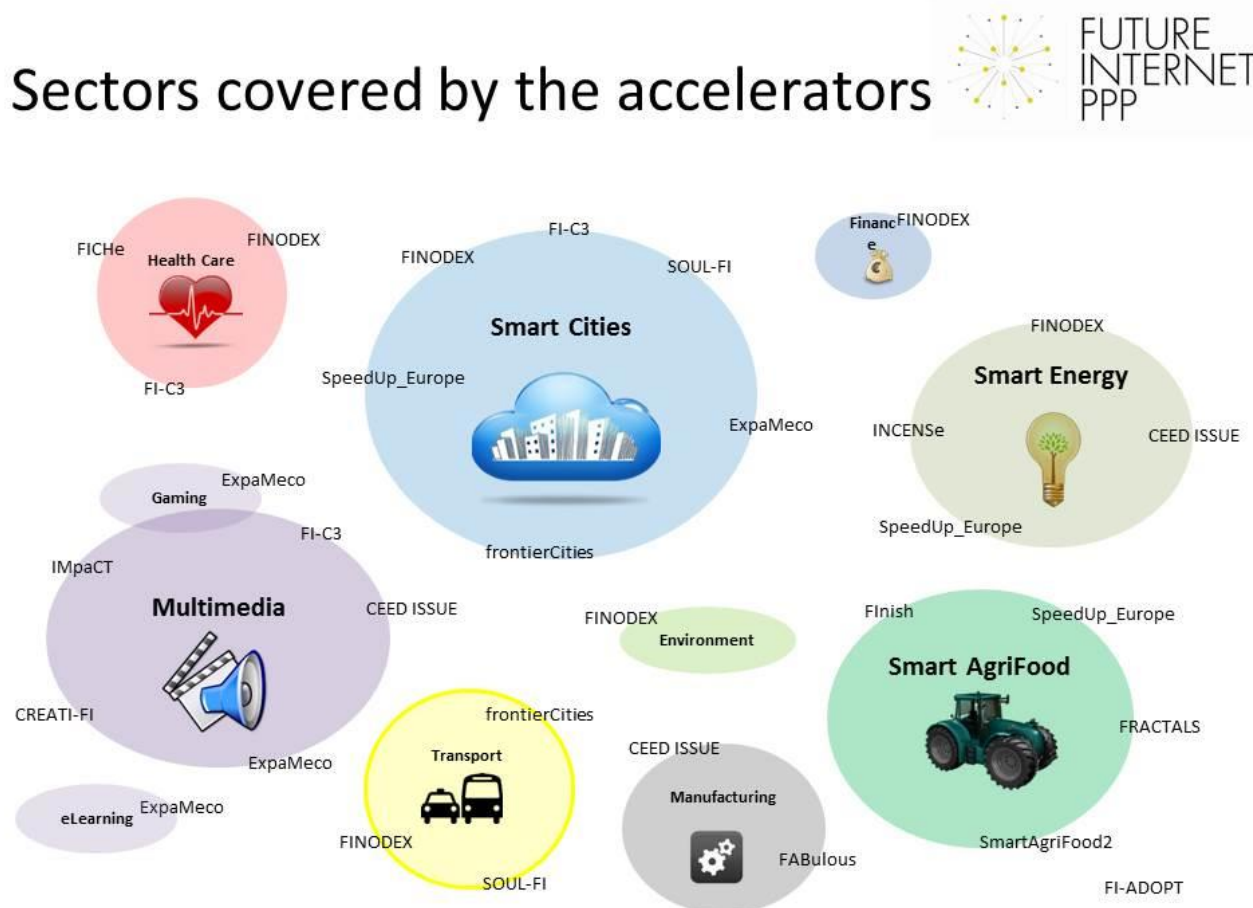


Figure 3: Sectors Covered by FI-PPP Accelerators⁵

The first open calls were launched at the end of 2014. The table below lists the accelerator projects and those more relevant to SIMPLI-CITY topics.

⁵ European Commission, DG CONNECT, Net Innovation. Madrid, 13 May 2014

D9.5.3_Project_Collaboration_Report_III_v1.0_ForApproval.docx	Document Version: 1.0	Date: 2015-10-12	Status: For Approval	Page: 26 / 55
http://www.simpli-city.eu/	Copyright © SIMPLI-CITY Project Consortium. All Rights Reserved. Grant Agreement No.: 318201			

Table 5: FI-PPP Accelerator Projects⁶

Project Name	Domain	Website
CEED TECH	Smart Cities, Energy and Environment, Media and Content, Manufacturing	http://www.ceedtech.eu
CREATI-FI	Creative Industry	http://www.creatifi.eu
EUROPEAN PIONEERS	Creative Industry	http://www.europeanpioneers.eu
FABulous	Creative industry, Manufacturing	http://fabulous-fi.eu
FI-ADOPT	Health, Education, Social, Well being	http://fiadopt-project.eu
FI-C3	Creative Industry, Health, Smart cities, Media & Content	http://www.fic3.eu
FICHe	Health	https://www.f6s.com/fiche
Finish	Agriculture, Food, Logistics, Manufacturing	http://www.finish-project.eu
FINODEX	Health, Environment, <u>Transport</u> , Finance, Open	http://www.finodex-project.eu
	Interesting to SME or Web Entrepreneur looking for developing an application, a product or service based on open data and making use of FI-Ware platform and open APIs (http://www.finodex-project.eu)	
FRACTALS	Agriculture	http://fractals-fp7.com
frontierCities	<u>Smart mobility</u>	http://www.fi-frontiercities.eu
	Accelerator focused on Smart Cities Startups and smart mobility	
INCENSE	Energy, Cleantech	http://www.incense-accelerator.com
IMpaCT	Creative Industry	http://www.impact-accelerator.com
SmartAgriFood2	Agriculture	http://smartagrifood.com
SOUL-FI	Smart city, <u>Smart mobility</u>	http://soul-fi.ipn.pt
	Ideas for FI applications focused on quality of life, <u>mobility</u> and resource efficiency (energy, water, materials and waste) (http://soul-fi.ipn.pt)	
SpeedUp_Europe	Agriculture, Energy, Smart city	http://speedupeurope.eu

In addition to the 16 accelerator projects there are five more projects launched in phase 3:

- *Technology foundation continuation project.* In the second half of 2014, a new technology foundation continuation project, FI-Core, will build on the work of FI-WARE, ensure availability of open source implementations and provide support to the other FI-PPP projects for the remainder of the programme.
- *Promoting uptake and use of FI-PPP results.* Also in the second half of 2014, the four new FI-PPP support action projects: FI-LINKS, FI Business, FI-MPACT, and I3H started on a series of activities to highlight the business relevance and usefulness of the FI-PPP results to date and thereby to significantly increase the uptake and usage of the FI-PPP results.

⁶ Future Internet News, June 2014. *Future Internet News* is the quarterly newsletter of the Future Internet PPP and informs about the activities and results of this European research and innovation programme

3.3 Other Projects

Table 6: Other Potential Projects for Collaboration

Acronym	Project title	Type	From	To	Short description	Website
T-TRANS	Enhancing the transfer of Intelligent Transportation System innovations to the market	Support action	09/2012	11/2014	T-TRANS aimed at providing information on innovation mechanisms for the ITS, facilitating the transfer of related innovative products and services to the market. The project involved all stakeholders of the transport and ITS innovation chain: Universities, R&D and technology centres, enterprises of any size, regional clusters, public authorities and policy makers, venture capital and other investors, with special focus on SMEs.	http://www.ttransnetwork.eu/
RADICAL	RApid Deployment and adoption of sustainable socially-aware and intelligent services for emerging smart cities	CIP	03/2013	02/2016	RADICAL will enable the development and deployment of interoperable pervasive multi-sensory and socially-aware services, by leveraging Internet of Things, Social Networks and Living Labs; emerging from leading results from the SmartSantander, BonFIRE, SocloS, and +Spaces project.	See link ⁷
Cloudi/o	Secure cloud-based data management in the context of clinical research	--	07/2012	06/2014	Secure cloud based for data management for scalable and sensitive data in the medical domain. The concept may be transferred to other domains including the data management of vehicle information or user data.	See link ⁸

⁷ http://ec.europa.eu/information_society/apps/projects/factsheet/index.cfm?project_ref=325138

⁸ http://geriatrie.charite.de/en/research/forschungsprojekte_der_ag_alter_technik/cloudio/

Acronym	Project title	Type	From	To	Short description	Website
OPDIS	OPDIS for mobile development (specifically the PMA)	--	06/2012	06/2014	Open product information system for mobile development (specifically the PMA).	http://opdis.de/projekt/ ⁹
ADVENTURE	ADaptive Virtual ENTERprise ManufactURING Environment	Collaborative project	09/2011	08/2014	The goal of the project was the creation of a framework that provides the tools to combine factories in a pluggable way to manufacture a particular product. This included the creation of manufacturing processes, finding partners as well as real-time monitoring of the processes that are put into play.	http://www.fp7-adventure.eu/
BIG	Big Data Public Private Forum	Coordination and support actions	09/2012	10/2014	Building an industrial community around Big Data in Europe will be the priority of this project, together with setting up the necessary collaboration and dissemination infrastructure to link technology suppliers, integrators and leading user organizations.	http://www.big-project.eu/
TIDE	Transport Innovation Deployment for Europe	Coordination Action	10/2012	09/2015	The mission of the TIDE project was to enhance the broad transfer and take-up of 15 innovative urban transport and mobility measures throughout Europe and to make a visible contribution to establish them as mainstream measures. TIDE focused on five thematic clusters: financing models and pricing measures, non-motorised transport, network and traffic management to support traveller information, electric vehicles and public transport organisation.	http://www.tide-innovation.eu

⁹ <http://translate.google.com/translate?hl=es&sl=de&tl=en&u=http%3A%2F%2Fopdis.de%2Fprojekt%2F>

Acronym	Project title	Type	From	To	Short description	Website
CELAR	Automatic, multi-grained elasticity-provisioning for the Cloud	Collaborative project (generic)	10/2012	09/2015	The goal of the project was to develop methods and tools for applying and controlling multi-grained, elastic resource provisioning for Cloud applications in an automated manner. This resource allocation was performed through intelligent decision-making.	http://www.celarccloud.eu/
Smart Society	Hybrid and Diversity-Aware Collective Adaptive Systems: When People Meet Machines to Build a Smarter Society	Collaborative project (generic)	01/2013	12/2016	SmartSociety project will develop foundational principles for the operations and design of hybrid and diversity-aware collective adaptive systems, paving the way to the arising of a smarter form of society.	http://www.smart-society-project.eu/
Civitas Capital	Civitas Capital	Large Project	10/2013	09/2016	Civitas Capital is a quite large project within the EU's Civitas initiative. The mission of the CAPITAL project is to contribute significantly to the goals of the European Union's Transport White Paper by capitalising systematically on the results of CIVITAS and creating an effective "value chain" for urban mobility innovation. CAPITAL will help to mainstream CIVITAS into other policy fields by identifying the capacity of sustainable transport measures to contribute to highlevel goals. The overlap of Civitas CAPITAL and SIMPLI-CITY is the target group: Civitas addresses city authorities all over Europe, and city authorities are also one of the target groups for SIMPLI-CITY's dissemination efforts.	www.civitas.eu
iCORE	Empowering IoT through Cognitive	Integrated project	10/2011	10/2014	iCore provides a complete management framework for the IoT, it will enable the	http://www.iot-icore.eu/

Acronym	Project title	Type	From	To	Short description	Website
	Technologies				handling of diverse objects and of the functions and services these objects provide, supporting, a wider IoT eco-system which can and will be used by many different parties and types of users and stakeholders. To validate the proposed solutions iCore addressed the following usecases: ambient assisted living, smart office, smart transportation, and supply chain management.	
Easy Rider	--	National project	10/2009	10/2015	Industrial Innovation Project on Sustainable Mobility. The project objective was the development of new products and innovative technologies able to respond to the mobility and transport needs of people and goods. The identified solution has to be more efficient and at the same time more respectful of environmental and social constraints, thus increasing the competitive ability of the involved industries.	http://www.mppi.hr/UserDocImages/Sandro-Rambaldi-Italijs3.pdf
SAM	Dynamic Social & Media Content Syndication for 2nd Screen	Collaborative project (generic)	10/2013	10/2016	SAM provides open, standardised ways of characterising, discovering and syndicating media content items interactively. Users will be able to consume and prosume media content from different syndicated sources, using different synchronised devices, ranging from tablets, phablets and smartphones to notebooks and connected TV sets.	http://samproject.net
ALFRED	Interactive Assistant for Independent Living and Active Ageing	Collaborative project (generic)	10/2013	09/2016	Interactive and fully voice controlled, virtual butler for elderly people helping them to live independently for longer, to actively participate in society and to prevent age-related physical and cognitive impairments.	http://alfred.eu

Acronym	Project title	Type	From	To	Short description	Website
CONVERGE	COmmunication Network VEHicle Road Global Extension	Large National Project	08/2012	07/2015	The goal of CONVERGE was to define an infrastructure that is required to provide new services to vehicles. This included a reliable communication between vehicles and the service providers and an architecture that is able to harness multiple technologies for communication.	http://www.converge-online.de
Green eMotion	Development and demonstration of a unique and user-friendly framework for green electromobility in Europe	Cooperative Project	03/2011	02/2015	The Green eMotion project was part of the European Green Cars Initiative and aimed at supporting mobility-related climate goals of the European union, such as the reduction of CO2 emissions by 60% by 2050. Research-wise, the project focused on facilitation of Europe-wide electromobility, with a particular focus on standardisation activities.	http://www.greenemotion-project.eu/
MobiCloud	Mobile Cloud for Business Applications	CIP Pilot Project	12/2012	11/2014	In MobiCloud, a collaborative platform for app lifecycle support (development, deployment, management) was developed. The project provides a generic solution for different domains, including but not limited to (public) transport and mobility. It focuses on business-critical scenarios.	http://www.mobicloudproject.eu/
P-REACT	Petty cRiminality diminution through sEarch and Analysis in multi-source video Capturing and archiving plaTform	Collaborative project (generic)	04/2014	04/2016	The P-REACT project will design and develop a low cost surveillance platform that will detect petty crime incidents. The solution will encompass intelligent video and audio sensors to detect petty crime incidents, a cloud based monitoring, alert detection and storage platform. Technology trends in computer vision, motion detection, video retrieval, semantic video analysis and cloud technology will be exploited.	http://p-react.eu

3.4 Projects Timeline

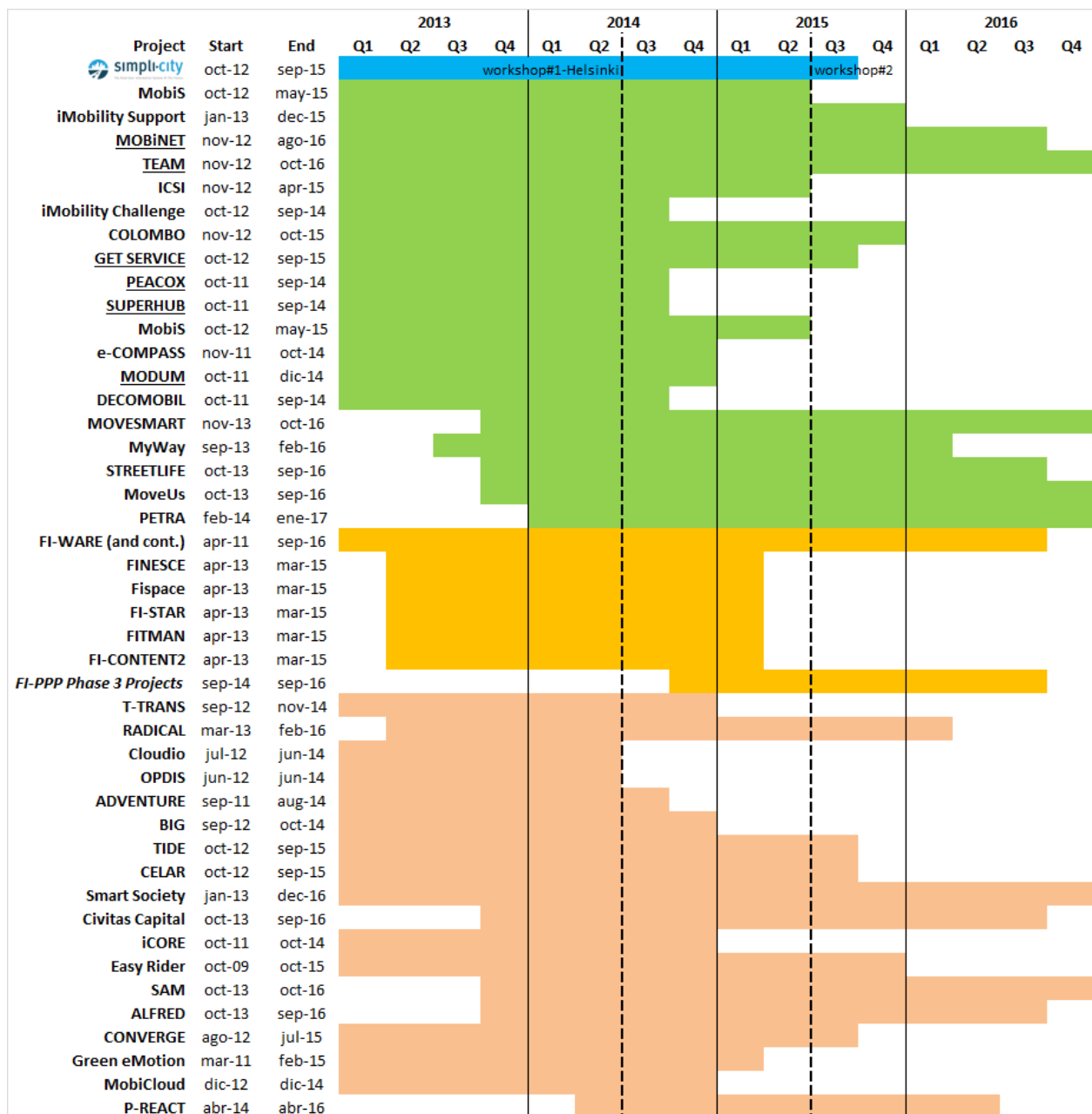


Figure 4: Projects Timeline vs. SIMPLI-CITY

Figure 4 compares SIMPLI-CITY's timeframe with the timeline of projects introduced in the previous sections. A different colour in the figure relates to the different grouping: projects under Objective ICT-2011.6.7 and ICT-2013.6.6, projects from the FI-PPP and Others (mainly where SIMPLI-CITY partners also participate).

It is important to note that the synergies for the projects invited to the *CE FP7 ICT Call 7-8 Concertation Workshop* are compiled in more detail in Table 8. These projects are underlined in the figure above.

4 Networking Activities

This section outlines the updated collaboration planning, listing all the performed activities. Detailed information about each of these activities is presented in the following sections.

4.1 Workshops

Task 9.5 (in charge of the collaboration with other projects and initiatives) coordinated its activities with Task 9.3, devoted to project dissemination activities and organization of two workshops during the project lifetime.

The planning and preparation of the two workshops is a joint activity of T9.3 and T9.5. Furthermore, the complementarity of the deliverables D9.3.4-5 and D9.5.x is well identified: while deliverables D9.3.4 and D9.3.5 will mainly report about the respective workshops (planned content of these documents is the agenda, participants, presentations and discussions, results and lessons learned, etc.), the T9.5.x deliverables describe also all the other activities and plans for collaboration with other projects.

The first of the two workshops was carried out in June 2014 (and supported by a webinar organised by the SIMPLI-CITY consortium in September 2014) showing the project's achievements at that time.

The second workshop was scheduled in the framework of the International Motor Show IAA/New Mobility World in Frankfurt on the 23rd of September 2015 jointly with the other 3 European projects STREETLIFE, PETRA and MyWay. This event was also used to create synergies for future collaboration and opportunities.

4.1.1 SIMPLI-CITY Workshop “Business Meets Science”

The SIMPLI-CITY workshop “Business meets Science” took place in the framework of the ITS European Congress in Helsinki¹⁰ on the 16th of June 2014. In D9.5.2 it is only included a short excerpt to the workshop since there is a specific deliverable to report on it (D9.3.4).

The planned agenda for the event is shown in Figure 5 below and all the information related to the workshop was made available at the project website at <http://simpli-city.eu/workshop>.

¹⁰ <http://www.itsineurope.com/its10/index.php/programme/special-events/ancillary-events>

Time*	Topic	Speaker
09:00 – 09:30	Welcome and Registration	
09:30 – 10:00	Keynote	Nino Zambara Representative EU
10:00 – 10:30	Introduction	Stefan Schulte TU Vienna
10:30 – 11:00	--- COFFEE BREAK ---	
11:00 – 11:40	Science: Information Systems of the Future	Daniel Burgstahler TU Darmstadt
11:40 – 12:10	Business: Prospects and Obstacles for App-Developers	Dr. Sven Abels Ascora
12:10 – 12:40	Meeting the Users' Needs - SIMPLI-CITY from Automotive Industries' point of view	Marina Giordanino Centro Ricerche Fiat
12:40 – 14:00	--- LUNCH ---	
14:00 – 14:15	Demonstration: STAR-CITY	Freddy Lecue IBM Ireland Ltd.
14:15 – 14:45	Panel: Science meets Business - Future Trends of Information Systems	Experts from Science and Business
14:45 – 15:00	Wrap Up	Stefan Schulte TU Vienna

Figure 5: SIMPLI-CITY Workshop “Business meets Science” Agenda

Due to the limited attendance to the workshop, the program was adapted accordingly and reduced to the keynote speech by the Commission representative and the project overall presentations. Furthermore it was decided to take advantage of the preparation work and organize a webinar later in September. The agenda for the webinar is provided in Figure 6.

Time	Topic	Presenter
14:00 – 14:15	Introduction	Stefan Schulte TU Vienna
14:15– 14:30	Science: Information Systems of the Future	Stefan Schulte TU Vienna
14:30– 14:50	Business: Prospects and Obstacles for App-Developers	Dr. Sven Abels Ascora
14:50 – 15:10	Demonstration: STAR-CITY	Freddy Lecue IBM Ireland Ltd.
15:10 – 15:30	Questions from the Audience & Wrap up	Stefan Schulte TU Vienna

Figure 6: SIMPLI-CITY Webinar “Business meets Science” 2014-09-18¹¹

¹¹ <http://simpli-city.eu/webinar>

4.1.2 SIMPLI-CITY Final Workshop “SMART MOBILITY SERVICES FOR THE SMART CITY”

The workshop "Smart Mobility Services for the Smart City: Architectures and Solutions towards a Service Market Place" took place in the framework of the International Motor Show IAA / New Mobility World (<http://newmobilityworld.com/>) in Frankfurt on the Main (DE) on the 23rd of September 2015.

SIMPLI-CITY hosted this workshop jointly with 3 further European projects STREETLIFE (www.streetlife-project.eu), PETRA (www.petraproject.eu), and MYWAY (myway-project.eu). The joint workshop was elaborated with the goal to strengthen the collaboration between the 4 projects and moreover to intensify the knowledge transfer. The IAA, the New Mobility World was chosen in order to attract the target group of private business actors.

Experts from science, business and authorities presented and discussed technical solutions with a special focus on smart mobility services for Smart Cities. The interactive workshop included a mixture of presentations and discussions and featured a panel session.

The keynote speech was held by the policy officer of Research and Innovative Transport Systems of the Directorate-General for Mobility and Transport of the European Commission Dr Axel Volkery. His presentation “Smart cities and mobility services: Needs and opportunities at European level” gave an introduction into the subject and furthermore pointed out the strategy of the European Commission.

After the keynote speech Stefan Schulte of partner TUV illustrated the major outcomes and achievements of SIMPLI-CITY with a special focus on its possible impacts for Smart-Cities and the collaboration between the projects.



A. Volkery (European Commission, DG MOVE)



S. Schulte (TU Vienna)

Afterwards Daniel Burgstahler of TU Darmstadt gave an overview about the Information systems of the future also referring to the project outcomes and their importance for urban areas.

At the end of the workshop Jose Lorenzo from ATOS moderated the panel session with the topic “Technical solutions for the urban mobility of the future”. Members of all these 4 European projects discussed together with the audience possible ICT solutions for Smart Cities. Stefan Schulte of TUV as representative of SIMPLI-CITY took the opportunity to explain the relevance of such ICT projects and their importance for the enhancement of the quality of life in urban areas.

TIME	TOPIC & SPEAKER *
09.15-09.45	Keynote: Smart cities and mobility services - Needs and opportunities at European level A. Volker (European Commission, DG MOVE)
09.45-10.30	The Road User Information System of the Future S. Schulte (TU Vienna)
10.30-11.00	Information systems from the science perspective Daniel Burgstahler (TU Darmstadt)
11.00-11.15	>> Coffee Break <<
11.15-12.00	Personal Transport Advisor: an integrated platform of mobility patterns for Smart Cities to enable demand-adaptive transportation system S. Meijer (KTH Royal Institute of Technology)
12.00-13.00	>> Lunch <<
13.00-13.45	Multimodal mobility services for the smart city: the MyWay view and architecture G. Casella, M. Boero & M. Garré (Softco Sismat)
13.45-14.30	MyWay Services: business perspective S. Persi (ENIDE)
14.30-15.30	The STREETLIFE approach for multi-modal sensor fusion for value added services in Berlin – today and tomorrow Y. Nagappa (Siemens), B. Dittwald (Fraunhofer FOKUS) & R. Kelpin (DLR)
15.30-15.45	>> Coffee Break <<
15.45-16.45	Panel: Technical solutions for the urban mobility of the future

Figure 7: SIMPLI-CITY Final Workshop Agenda

D9.5.3 includes just a short excerpt of the workshop since there is a specific deliverable to report on it (D9.3.5).

4.2 Direct Communication between Projects

Table 7 below lists the SIMPLI-CITY partners that are also involved in any of the projects identified as potential target for collaboration. In principle, the partners were the interface for collaboration with leaders from these projects for synergies, when it was the same team that is involved in SIMPLI-CITY, and they coordinated this interface with the Project

Coordinator and with the leader for dissemination activities, same as done for any project external interaction.

Table 7: SIMPLI-CITY Partners in Other Relevant Projects

Project	SIMPLI-CITY Partner(s)
MobiS	ATOS
MOBiNET	CRF
TEAM	CRF
MoveUs	ATOS
PETRA	IBM
FI-WARE	ATOS, IBM
Fispace	ATOS, IBM
FITMAN	ATOS
T-TRANS	ATOS
A2NETS	ATOS
RADICAL	ATOS
Cloudi/o	ASCORA
OPDIS	ASCORA
MODUM	FGM
ADVENTURE	ASCORA, TUDA, TIE, TUV
BIG	ATOS
TIDE	SRM
P-REACT	SRM
CELAR	TUV
Smart Society	TUV
Civitas Capital	FGM
SAM	ASC, TALK, TIE
ALFRED	ASC, TALK, TIE, ATOS

4.2.1 Reporting of Activities

This section summarises the concrete interaction between representatives of SIMPLI-CITY and other projects. Reporting is done using a table as a common template with the information, wherever applies, about the people involved, location and date for the meeting, a short description of the activity and already foreseen follow up.

The activities incurred during the first two project years (October 2013 to September 2014) as reported in D9.5.1 and D9.5.2 are removed from this document.

Relevant Project MOBiNET, Green eMotion, Superhub	Location, Date ITS Congress, Helsinki, 17.06.2014 Online meeting, 12.09.2014
Participant(s) Attendant from SIMPLI-CITY: Stefan Schulte, TUV Attendant from MOBiNET: Paul Kompfer, ERTICO Attendant from Superhub: Luigi Telesca, exrade Attendant from Green eMotion: Silvio Weeren, IBM	Link to Related Publications / Presentations N/A
Short activity description During these liaison meetings, different opportunities for collaborative business exploitation of the involved projects have been discussed, with a specific focus on a single Europe-wide service platform. Topics been discussed where standardisation of technologies, market fragmentation, and the general approach for the marketplace.	
Relevance to SIMPLI-CITY, Expected Impact Level The invited projects are either "sister projects" of SIMPLI-CITY or funded from related European calls. It is expected that these projects collaborate with each other in order to meet their goals and increase their impact. All projects focus on data platforms, service marketplaces, and/or functionalities build upon data integration and services.	
Conclusions, Follow up The projects decided to proceed with their attempt to establish a single Europe-wide Service Platform. It has been discussed whether this should be a virtual or a real single European platform and if it is necessary to have a single technical foundation for it or if different technologies could co-exist. Further regular follow-up meetings are foreseen. Furthermore, a Memorandum of Understanding will be drafted in order to establish cooperation even after the end of the projects. Details will be reported in the exploitation report D9.1.3.	

Relevant Project CREMA	Location, Date Ganderkesee, Germany, 14.01.2015
Participant(s) Attendant from SIMPLI-CITY: Stefan Schulte, TUV, Sven Abels, ASC Attendants from CREMA: Stuart Campbell, ICE, Gash Bhullar, TANet	Link to Related Publications / Presentations N/A
Short activity description During this meeting, the project teams of SIMPLI-CITY and the recently started EU H2020 project CREMA (Cloud-based Rapid Elastic MANufacturing) presented technical results (SIMPLI-CITY) and technical demands (CREMA) to each other in order to identify ways to collaborate on the technical level. Especially, the usage of concrete software products from SIMPLI-CITY in CREMA	

has been discussed.
Relevance to SIMPLI-CITY, Expected Impact Level CREMA is an EU H2020 Factories of the Future project, which shares several technical aspects with SIMPLI-CITY. Most importantly, both project focus on smart environments (SIMPLI-CITY: Smart Mobility, CREMA: Smart Factories), leading to similar technical demands.
Conclusions, Follow up CREMA was very interested in a number of concrete technical results and prototypes from SIMPLI-CITY, most importantly the SIMPLI-CITY Service Marketplace, the Service Runtime Environment, and the Cloud-based Information Infrastructure. Indeed, in September 2015 the CREMA consortium decided to use and further develop these outcomes from SIMPLI-CITY within CREMA.

Relevant Project TEAM, GET SERVICE, MOBiNET	Location, Date Online Meeting, 13.02.2015
Participant(s) Attendants from SIMPLI-CITY: Freddy Lecue, IBM, Stefan Schulte, TUV Attendant from MOBiNET: Paul Kompfer, ERTICO Attendant from GET SERVICE: Remco Dijkman Attendant from TEAM: Andreas Schwarz	Link to Related Publications / Presentations N/A
Short activity description During these liaison meetings, different opportunities to integrate the work on data integration were discussed. One particular topic was the potential standardisation of joint project outcomes.	
Relevance to SIMPLI-CITY, Expected Impact Level The invited projects are “sister projects” of SIMPLI-CITY. It was expected that these projects collaborate with each other in order to meet their goals and increase their impact. All projects focus on data platforms, service marketplaces, and/or functionalities build upon data integration and services.	
Conclusions, Follow up Since the focus of MOBiNET did not perfectly fit the expected outcomes of this activity, GET SERVICE, TEAM and SIMPLI-CITY decided to join forces on data integration activities. Primarily, this was done on the scientific level, where collaborations are still ongoing to publish joint papers about the data integration activities in the projects. The project teams agreed that the standardisation of data integration aspects would be difficult, so this topic was not further developed on an inter-project level during the third project year. Further activities are planned even after the end of SIMPLI-CITY.	

Relevant Project MOBiNET	Location, Date MOBiNET Consortium meeting, Torino, 21.05.2015
Participant(s) Attendants from SIMPLI-CITY: Stefan Schulte, TUV Attendants from MOBiNET: Complete consortium, including Project Coordinator (Rasmus Lindholm, ERTICO), Technical Lead (Ulf Noyer, DLR), Exploitation Leads (Marco Annoni, Telecom Italia, Maria de Rycke, Julie Castermans, ERTICO)	Link to Related Publications / Presentations N/A
Short activity description Meeting between MOBiNET and SIMPLI-CITY during the MOBiNET Consortium Meeting in Torino. The goal of this meeting was to resume the collaborations between the projects which had to be temporarily suspended since MOBiNET had to focus on major project-internal changes. Also, since the Project Coordinator of MOBiNET changed, unfortunately, it was not possible to interact with MOBiNET for a number of months during the third project year. The focus of the meeting was on two aspects, namely joint exploitation and technical collaboration on the architectural level. Due to the similar topics, MOBiNET is a core partner project for SIMPLI-CITY. Both projects aim at provisioning a Europe-wide service platform, however, with a focus on data services (MOBiNET) and functional services (SIMPLI-CITY). During the meeting, SIMPLI-CITY was presented to the MOBiNET consortium and possible collaborations were discussed.	
Relevance to SIMPLI-CITY, Expected Impact Level MOBiNET is a "sister project" of SIMPLI-CITY; i.e., funded within the same call and objective. It is expected that these projects collaborate with each other in order to meet their goals and increase their impact.	
Conclusions, Follow up There were three planned follow-up activities after this meeting: First, a comparison of the Global Architectures of both projects has been conducted. The comparison has been documented in an extra deliverable, which is currently under review by the MOBiNET project and will then be provided to the European Commission. The second follow-up activity was the introduction of data services into the MOBiNET service marketplace. This is still a goal once this marketplace is up and running Unfortunately, it was not possible to follow up on the third goal, i.e., joint exploitation activities, since the MOBiNET project had no full exploitation plans until the end of the SIMPLI-CITY project.	

Relevant Project BDVA	Location, Date Madrid, 17.06.2015
Participant(s) Attendant from SIMPLI-CITY: Sven Abels, Marcel Gabor, ASC	Link to Related Publications / Presentations http://www.bdva.eu/?q=summit
Short activity description <p>Within this meeting, the SIMPLI-CITY project was represented within the Big Data Value Initiative by discussing the projects and its data management parts with relevant visitors. Especially the Cloud Storage has been discussed as a flexible yet scalable way to store data from sensors, external information systems and applications.</p>	
Relevance to SIMPLI-CITY, Expected Impact Level <p>The application of SIMPLI-CITY into real world environments needs to combine information from various data sources such as car sensor data, service data from smart cities or data from personal calendars of road users. Those data elements will quickly rise into large dimensions, meaning that scalability is a key towards achieving tomorrow's road user information systems. Therefore, the participation and synchronization with the Big Data Value Initiative are crucial for the success of the project and its exploitation.</p>	
Conclusions, Follow up <p>During the BDVA summit, various contacts have been made and information has been exchanged. Further exchange has been discussed and partner Ascora will stay in close contact with participants of the BDVA summit including ICE, Rooter and ivsz.</p>	

A few additional activities are listed in short below. Although reported as part of project dissemination and communication activities in D9.3.2, they also support SIMPLI-CITY collaboration with other projects:

- In April 2014 in Donostia-San Sebastian the SIMPLI-CITY project was introduced to about 15 participant partners during the steering committee meeting of the P-REACT project (<http://p-react.eu>), in which SRM is a partner.
- Partner Ascora GmbH has established active cooperation with the Cloudi/o and OPDIS RTD projects.
- In May 2014 in Brussels (BE) the SIMPLI-CITY project was introduced to about 20 participant partners during the steering committee meeting of the EPTA project (www.eptaproject.eu) in which SRM is lead partner.

4.2.2 CE FP7 ICT Call 7-8 Concertation Workshop

As reported already in D9.5.2, the European Commission and the iMobility Forum cordially invited SIMPLI-CITY to the EC FP7 ICT Call 7 & 8 Concertation Workshop which took place in Brussels on Wednesday 30th April 2014. Representatives from the following projects were invited: AMITRAN, SUPERHUB, MOBIS, MOBINET, TEAM, Eco-Driver, e-COMPASS, COLOMBO, MODUM, REDUCTION, PEACOX, ICT-EMISSIONS, GETSERVICE, DECOMOBIL, CARBOTRAF, SIMPLI-CITY. Two persons, Stefan Schulte (TUV) and Jose Lorenzo (ATOS), attended for SIMPLI-CITY.

Annex 2 in D9.5.2 includes the detailed agenda and full attendance list, which together with all presentations are publicly available¹². A follow up Concertation workshop was foreseen during 2015 but did not happen.

The meeting focused on two parallel sessions: *ICT Emission modelling* and *Multimodal optimisation modelling moderated by the European Commission*. Projects' representatives were invited to make a presentation including:

1. Project objectives
2. What is the starting point of your model and what their further developments?
3. Problems / highlights / synergies with other projects

Conclusions from Multimodal optimisation modelling session

This session mostly focused on the potential synergies amongst the group of projects responding to Call 7 and Call 8, concerned with mobility services and platforms to deliver them. The main projects represented were:

- MOBiNET
- e-COMPASS
- PEACOX
- SUPERHUB
- TEAM
- SIMPLI-CITY
- DECOMOBIL* (Support Action)
- MOBIS
- GET SERVICE
- MODUM

Synergies among the projects were collected in a matrix. This is shown in the table below paying special attention to SIMPLI-CITY.

¹² <http://www.imobilitysupport.eu/library/general/workshops-9/2014-6/ec-concertation-ws-30-april-2014>; visited on 2014-09-16

Table 8: EC Concertation WS (30 April 2014) – Matrix for MULTIMODAL Session

Project	Challenges and/or highlights	Synergies with other projects	Objectives, Modelling techniques
MOBiNET	Platform architecture and interfaces Service platforms - European setting with wide visibility Offers a market place to other service providers Data source management - MetaData Data management and interoperability aspects	SIMPLI-CITY SUPERHUB TEAM eCOMPASS MOBIS (MODUM and GETSERVICE)	<ul style="list-style-type: none"> Build a Europe-wide mobility service platform <ul style="list-style-type: none"> comprehensive directory of mobility data & services (B2B, B2C) support single-sign on, pan-European service roaming, virtual ticketing universal user device gateway & mobility app store Create new business opportunities for providers <ul style="list-style-type: none"> enhance products with new content & 3rd party services
PEACOX	<i>Highlights:</i> Automated trip mode detection Models Persuasion framework <i>Challenge:</i> How to communicate (the outcome of the model) to the user	eCOMPASS SUPERHUB TEAM SIMPLI-CITY GET Service MODUM MOBiNET mobiS	Several Models have been developed within PEACOX in order to support the projects goals: <ul style="list-style-type: none"> Door-to-door emissions model <ul style="list-style-type: none"> predictive and real time model peak and off peak scenarios considering cold start emission Exposure model <ul style="list-style-type: none"> assesses levels of exposure to PM10 or NO2 land use information, live traffic, weather and in-situ monitoring devices city specific (land use characteristics) Eco driving model
SUPERHUB	<i>Challenges:</i> Sustainability and sustainability models Capacity building Open real time data interfaces Open source strategies Interoperability and Integration opportunities	SIMPLI-CITY MOBiNET TEAM eCOMPASS PEACOX mobiS DECOMOBIL GET Service (collaboration for market place?)	<ul style="list-style-type: none"> A truly multimodal journey planner fed by an heterogeneous data infrastructure to provide user-tailored mobility services presenting a number of route options to end-users. Provide policy-makers with data facilitating the planning of adequate corrective measures on public transport offer with innovative tools using simulation The future development is to create an open mobility business ecosystem to facilitate the development of mobility apps connected with our green and open

Project	Challenges and/or highlights	Synergies with other projects	Objectives, Modelling techniques
TEAM	<i>Challenge:</i> Real time data <i>Highlights:</i> collaboration	MOBINET SIMPLI-CITY SUPERHUB DRIVEC2X PEACOX	<ul style="list-style-type: none"> Fostering collaboration is the key concept of the TEAM applications Extend the concept of cooperative vehicle-2-x systems to include interaction and participation Make travellers and drivers, vehicles and infrastructure act as a TEAM <ul style="list-style-type: none"> adapting to each other adapting to the situation
SIMPLI-CITY	<i>Challenges:</i> Data Heterogeneity Non-distracting user interaction Software developer support	TEAM (both projects apply an OSGi-based software framework) MOBINET (technical concertation meeting planned for ITS Europe, Helsinki in June) GET Service (architecture) SUPERHUB (easing data use by 3rd parties) DECOMOBIL PEACOX	<ul style="list-style-type: none"> Seamless Integration of Data from different Sources Access data coming from heterogeneous sources Identification of data/services relevant to the road user in a certain situation Building Services on Top of the Data Enabling a whole range of services and apps for road users, such as e.g. information, explanation, prediction or interactive services Providing a Unified User Interface to the Services <ul style="list-style-type: none"> multimodal and speech-based user interface easy to handle, non-distracting
GET SERVICE	<i>Highlights:</i> Strong architecture base Rich set of case studies Early prototype available <i>Attention points:</i> Availability of data sets (real-time logistics data) External architecture alignment (standards, projects) Detailed definition of business cases	MOBINET PEACOX SIMPLI-CITY (architecture) REDUCTION (CO2 footprint) SUPERHUB (sourcing negotiation) ADVENTURE e-Freight	<i>Developments:</i> <ul style="list-style-type: none"> Requirements specification Use case definition Data model definition Architecture design CO2 calculation study Prototype implementation (dashboard, planning, event engine)

Project	Challenges and/or highlights	Synergies with other projects	Objectives, Modelling techniques
		eCoMove, ECOSTAND, MEET, RECORDIT: CO2 calculation SERAMIS COGISTICS	
MODUM	<p><i>Challenges:</i> Data management Exploitation Service co-creation Trial runs and user behaviour - exchange info</p> <p><i>Highlights:</i> Real time modelling and prediction efforts eco-architecture</p>	<p>eCOMPASS (HOPE) PEACOX and DECOMOBIL (HMI) COLOMBO (emission modelling in SUMO and intersection control) MOBiNET SIMPLI-CITY MobiS (personal mobility plans)</p>	<p><i>Model development:</i></p> <ul style="list-style-type: none"> Forecasting of travel times with self-organising virtual ants (multi-agent system) Multi-modal solutions through a noticeboard and bidding approach Providing a real-time view of the traffic conditions on all the roads in the network <p><i>Technological backbone:</i></p> <ul style="list-style-type: none"> Firewalled coresystem Communication interfaces (both internal and to external devices) Mobile devices, bus data, SCOOT systems, CollabWiFi, ATOP, etc. Server infrastructures for deployment

The discussion went into topics for cooperation and synergy, and how to organise the next steps. It was agreed that there are four themes for possible cooperation, and a first virtual meeting would be convened by one of the above projects as follows:

- Service platform architecture & ecosystems (MOBiNET, Paul Kompfner/ERTICO)
- Data interoperability (**SIMPLI-CITY**, Stefan Schulte/Vienna University of Technology)
- User engagement (MODUM, Nikolay Mehandjiev/University of Manchester)
- Multimodal optimisation (SUPERHUB, Luigi Telesca/eXrade).

Especially the first two topics were interesting for SIMPLI-CITY and therefore, the project participated in according activities. Furthermore, Stefan Schulte (TUV) agreed to organize the first meeting of the data interoperability concertation group. The intention of this first exploratory meeting was the establishment of an according working group.

In addition, SIMPLI-CITY became active in setting up some bilateral exchange with some projects. In short, these are the aspects that the project addressed (distilling the most relevant facts already in the table above):

- *Data integration and data modelling.* This is a very large topic in a lot of projects and especially for the two IPs MOBiNET (<http://www.mobinet.eu>) and TEAM (<http://www.collaborative-team.eu>). Also, MOBIS (<http://www.mobis-euproject.eu>) has identified problems in data quality and would be interested to see SIMPLI-CITY work, primarily the data model.
- *Service platforms.* Primarily interesting for MOBiNET and GET SERVICE (<http://getservice-project.eu>). In a first approach, the Global Architecture (D3.1) was shared with GET SERVICE in order to collect feedback and identify lessons learned and best practices. This exercise served to later produce the full report “REFERENCE ARCHITECTURE FOR MOBILITY-RELATED SERVICES” as described in 4.2.4
- *PMA.* MODUM was interested in the “One-Stop Shop” the PMA offers for road users. Although MODUM finished in 2014, additional contacts were foreseen through the partners involved in WP6 activities. Also, the support action DECOMOBILE was very interested. In general, there was very large interest in SIMPLI-CITY UI, solely for the reason that SIMPLI-CITY is the only project which provides a mobile device UI.
- There were some other projects, e.g., SUPERHUB, eCOMPASS or PEACOX, that provide results which could be interesting for re-usage in the SIMPLI-CITY use case work packages.

4.2.3 1st MyWay Collaboration Workshop

Integrated personal mobility solutions leveraging enhanced mobile user services, facilitating personalised seamless integration of public and private modes, promoting the use of cleaner means of transport and making the travelling experience easier and more comfortable are an essential component for developing European Smart Cities. In addition to SIMPLI-CITY, a number of RTD projects part-funded under FP7 are addressing these themes, which are also prominent within the H2020 work plan.

Organised by the MyWay FP7 project (www.myway-project.eu), the 1st Collaboration Workshop planned in Berlin on 20 May brought together the interests of a number of projects addressing this RTD area including, in addition to SIMPLI-CITY and MyWay:

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MoveUS (<http://www.moveus-project.eu>), STREETLIFE (<http://www.streetlife-project.eu>), MoveSmart (<http://www.movesmartfp7.eu>), Petra (<http://www.petraproject.eu>) and TEAM (<http://www.collaborative-team.eu>). The workshop aimed at enabling the exchange of information about ongoing activities and developments in the participating projects, and at providing an information sharing platform that will help dissemination and enhancement of results at individual project level as well as facilitate potential future synergies and inputs at program level.

Spanning over one full day, the workshop was organised into three main logical blocks.

The morning session was devoted to an introduction of the participating projects, and allowed attendants to get an overview of the core topics and themes addressed by each project. This was followed by a first wrap-up session aimed at summarising the main commonalities and differences in the presented approaches.

The afternoon was devoted to four short, moderated break-out sessions, enabling a joint discussion on four core common themes agreed among the projects as potential areas for further joint investigation: "Pilot Implementation and User Engagement", "Crowd Sourcing of mobility information", "European Mobility Service Platform", "Private and Public modes integration".

Finally, the closing session summarised the main findings from the break-out sessions and allowed identifying the next steps for further exchanges and cooperation among the projects.

The workshop was held in the context of the Smart City international event "Metropolitan Solutions", which was held in Berlin on 20-24 May and hosted a number of parallel conferences and an exhibition on several complementary themes of interest for smart mobility.

As annex to this deliverable, the Agenda and List of Participants of the event are provided.

At the time of closing this Deliverable, and as follow up to the Berlin workshop, the 2nd Joint Collaboration Workshop was preannounced by STREETLIFE to take place on 14.10.2015 in Trento. The focus of the 2nd Workshop will be the exchange of experience on pilots, and more specifically on pilot topics including User engagement, Participation issues and also tracking/itinerary adjustment (mode detection) - which are related with the engagement.

4.2.4 A Reference Architecture based on SIMPLI-CITY and GET Service

Project Architectures

As one concrete outcome of the collaboration between SIMPLI-CITY and GET Service projects a full report dedicated to the design of a **reference architecture for mobility-related services** has been produced. The reference architecture is designed based on the architectures of the services of the two European projects - Green European Transportation (GET) and SIMPLI-CITY. This report is provided as a side document to D9.5.3, and contents are shortly introduced here below.

The Service Platform for GET provides transportation planners and drivers of transportation vehicles with the means to plan, re-plan and control transportation routes efficiently and in a manner that reduces the emission of CO₂. The GET Service project will advance current transportation and route planning systems to the next major level by

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empowering transport management and route planning systems with information from multiple sources and enabling the incorporation of transportation-related tasks into transportation planning. In doing so, GET Service facilitates:

- real-time aggregated planning
- synchromodal re-planning
- reduction of empty miles
- co-modal planning

GET and SIMPLI-CITY are both projects concerning mobility-related services. Both GET and SIMPLI-CITY have their business information system architectures in place. The main aim of this report is to design a reference architecture for mobility-related services, based on analyses of GET Service and SIMPLI-CITY architectures. A reference architecture is designed such that it can serve as a blueprint for projects in which architectures for mobility-related services have to be developed.

The report starts with an overview of the GET Service and SIMPLI-CITY projects. After briefly discussing the two projects, a comparison is made, based on criteria such as the project vision, main goal, target users, tools and approaches and expected results/impact. Section 3 focuses on the architecture of GET Service and the various components of the architecture are described. In Section 4, the architecture of SIMPLI-CITY is described and the components making up the architecture are explained. The concept of a reference architecture is defined in Section 5. Examples of reference architecture are provided to give the reader a clearer idea of reference architectures.

Considering the common building blocks and also the unique and important components of the GET Service and SIMPLI-CITY architectures, a reference architecture is constructed in Section 6. Each of the components i.e. Client Side, Server Side, External Sources and Developer Support is explained. The subcomponents that form these components are also described. In Section 7, the architectures of GET Service and SIMPLI-CITY are projected to the reference architecture. This is done to validate the proposed reference architecture and to see how the reference architecture is applicable to the two architectures of GET Service and SIMPLI-CITY. The conclusion is presented in Section 8 and the main contribution of the report is reiterated.

4.2.5 Comparison between MOBiNET and SIMPLI-CITY

A comparison of the Global Architectures of MOBiNET and SIMPLI-CITY projects has been conducted, and provided as well as a complementary document to D9.5.3.

4.3 Working Groups

Established in 2003, the iMobility Forum is a joint platform open for all road stakeholders interested in ICT-based systems and services. The iMobility Forum is chaired by European Commission DG CONNECT and co-chaired by ERTICO-ITS EUROPE, ACEA and ASECAP.

As reported in D9.5.1, an initial list of the iMobility Forum Working Groups (WGs) was identified as potentially interesting for SIMPLI-CITY. These were the “Research & Innovation” (R&I) Working Group, the “Real-time traffic and travel information” (RTTI) and the “ICT for Clean and Efficient Mobility”, but after the activities during the last period, the “Human Machine Interaction” and “Safe Applications” working groups showed being of

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more interest to SIMPLI-CITY. All these WGs are shortly introduced below, and the details for the attendance to the iMobility Forum Plenary meeting are reported in section 4.3.1.

- *Research & Innovation (R&I) Working Group*: This is a permanent Working Group dealing with research and innovation issues for the whole Forum, such as the update of Strategic Research and Innovation Agendas and Road Maps linked to ICT for smart, clean and efficient mobility, and to the transport of goods and people in linkage to the various implementation platforms.
- *Real-time traffic and travel information (RTTI)*. The RTTI Working Group provides further analysis and recommendations for accelerating the take-up of the measures for accessing the public sector data, enabling the establishment of public-private partnerships, and the provision of reliable, high-quality RTTI services in Europe. This WG has concluded his activity.
- *ICT for Clean and Efficient Mobility*. The objectives of this Working Group are to identify the current state of mobility, to provide a vision of eco-friendly and sustainable mobility and a roadmap to achieve efficient transition. This WG has concluded his activity.
- *Human Machine Interaction*. The HMI-WG focuses on the interaction between the driver and on-vehicle technology such as driver information, communication and warning systems.
- *Safe Applications*. The objective of the SafeAPP working group is to provide Recommendations that will lead towards safe APP usage by drivers while driving. The working group will ensure that the Recommendations are compliant to the ITS Directive, ITS Action Plan and the European Statement of Principle (ESoP) on Human Machine Interaction (2008/653/EC or future versions).

SRM keeps being involved in the TIDE project through Bologna being a *Champion City*¹³ (project's leading city). TIDE focuses on five thematic clusters: financing models and pricing measures, non-motorised transport, network and traffic management to support traveller information, electric vehicles, and public transport organisation. Sustainable Urban Mobility Plans will be a horizontal topic to integrate the cluster activities. Within each thematic cluster, TIDE has identified three innovative measures, some of them directly related to SIMPLI-CITY activities, more specifically: "Open-access server", and "User friendly human machine interface" under the "Network and traffic management" cluster¹⁴, and "Road user charging in urban areas" under the "New pricing measures" cluster¹⁵.

4.3.1 4th iMobility Forum Plenary Meeting

The 4th iMobility Forum Plenary Meeting took place in Brussels during a full day workshop on April 29 2014, and had two representatives from the SIMPLI-CITY project attending.

At the moment of the 4th Plenary, there were 228 unique organisational forum members. The EC iMobility Support project's dissemination and support function helps ensure the forum results.

¹³ www.tide-innovation.eu/en/TIDE-Cities/Bologna

¹⁴ www.tide-innovation.eu/en/Thematic-Clusters/Network-and-traffic-management/Overview

¹⁵ www.tide-innovation.eu/en/Thematic-Clusters/New-pricing-measures/Overview

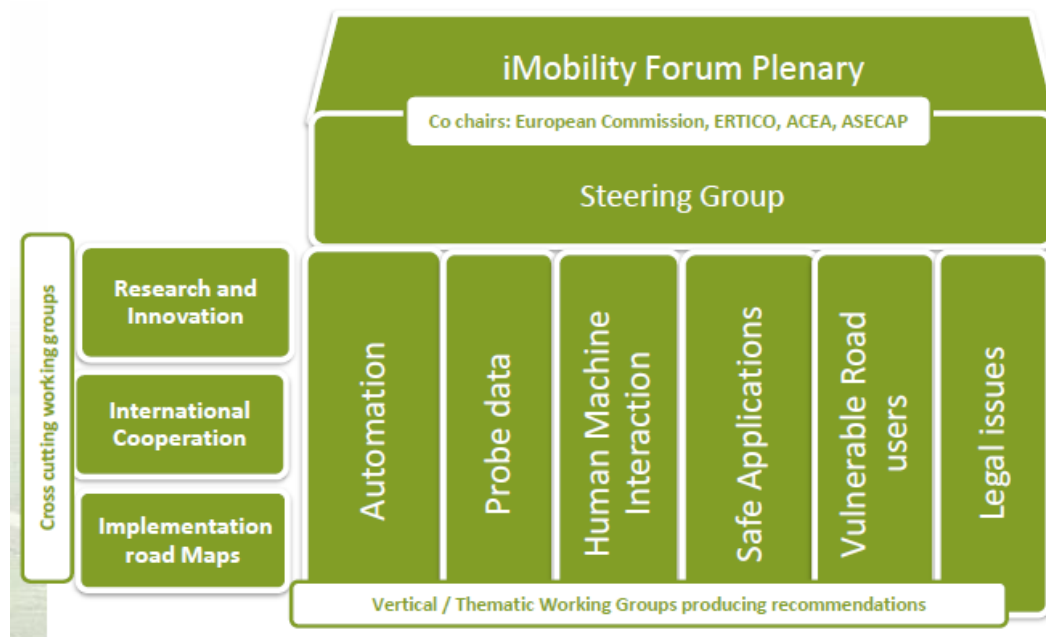


Figure 8: iMobility Forum Governance

The meeting started by presenting the latest achievements of each of the Forum's Working Groups, covering all the major topics within ICT for safe, smart and clean road mobility fields. The second part of the session introduced the European eCall Implementation Platform (eEIP), status of standardisation and pre-commercial procurement in Europe, the ITS European Congress in Helsinki & ITS World Congress, Detroit, as well as the iMobility Challenge project.

The detailed agenda of the event is included as an Annex to D9.5.2, and the presentations are available at <http://www.imobilitysupport.eu/library/imobility-forum/governance/plenary-meetings/2014-7/4th-meeting-9/29-april-2014>.

Participating in such events and contributing to their activities is part of WP9 (especially T9.5) and therefore also part of the SIMPLI-CITY contract. The "HMI" and "Safe Applications" working groups showed of interest for SIMPLI-CITY.

The WG-HMI focuses on the interaction between the driver and on-vehicle technology such as driver information, communication and warning systems. TALK has joined this WG as an activity in the SIMPLI-CITY project. TALK was present at the WG-HMI meeting on July 4 2014, represented by Fredrik Kronlid, CEO. The topic of the meeting was to define guidelines for creating the next generation of the European Statement of Principles on HMI (ESoP). TALK (and SIMPLI-CITY) will, in the future WG-HMI meetings, be represented by Staffan Larsson, CSO.

5 Summary and Conclusions

The focus of this SIMPLI-CITY Project Collaboration Report was on the analysis of the most relevant initiatives for the project objectives in order to establish a closer relationship and exchange of information, in addition to those that were already identified during proposal preparation and the first project year.

The key milestones during the second and third periods were the organisation of the project workshops in collaboration with task T9.3.

The list of project Public reports has been revised in D9.5.3 in order to provide actual links to the materials already provided after the first 2 years. A few are not yet available at the time of closing D9.5.3 waiting for its final approval. The Collaboration Plan, following the recommendations after the first release, identifies the group of stakeholders and details the sharing of roles among the partners in the Plan.

The list of the other EU-funded projects relevant to SIMPLI-CITY has been maintained, paying special attention to those invited to the CE FP7 ICT Call 7-8 Concertation Workshop that took place in Brussels organised by the Commission, and the timeline overview revised accordingly.

The section on networking activities, that already introduced the first workshop organised by the project during the 10th ITS European Congress in Helsinki in June 2014, is now completed with references to the final event that took place at the IAA 2015 in Frankfurt, although in both cases not covered in detail as there are separate deliverables specifically devoted to them. Reporting of activities from the interaction with other projects mainly focused this time on the 1st MyWay Collaboration Workshop. The agenda and attendance list is provided as Annex to this document.

Two complementary documents to D9.5.3 are provided, as result of concrete collaboration activities with sister projects. Regarding *Get Service*, at the end of the second project year, the final document of the technical comparison with their architecture has been released. Also, a similar comparison between *MOBiNET* and *SIMPLI-CITY* is delivered.

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Annex 1. 1st MyWay Collaboration Workshop. Agenda and Attendance List



AGENDA

1. Introduction

09:00 – 09:15 Welcome, introduction of participants, agenda MYWAY

2. Projects presentation

09:15 – 09:40 MyWay Project outline & Vision, Q&A MYWAY, ALL

09:40 – 10:05 MoveUs Project outline & Vision, Q&A MOVEUS, ALL

10:05 – 10:30 STREETLIFE Project outline & Vision, Q&A STREETLIFE, ALL

10:30 – 10:55 MoveSmart Project outline & Vision, Q&A MOVESMART, ALL

10:55 – 11:15 *Coffee break*

11:15 – 11:40 Petra Project outline & Vision, Q&A PETRA, ALL

11:40 – 12:05 Simplicity Project outline & Vision, Q&A SIMPLI-CITY, ALL

12:05 – 12:30 Team Project outline & Vision, Q&A TEAM, ALL

2. Morning wrap-up session

12:30 – 13:00 Summary, collaboration opportunity MYWAY, ALL

13:00 – 14:00 *Launch break*

3. Key topics discussion

14:00 – 14:30 Pilot Implementation, User Engagement STREETLIFE, ALL

14:30 – 15:00 Crowd Sourcing of mobility Information MYWAY, ALL

15:00 – 15:30 European Mobility Service Platform SIMPLICITY, ALL

15:30 – 16:00 Private and Public modes integration MYWAY, ALL

4. Afternoon wrap-up session

16:00 – 16:30 Summary, next steps
Closure of the workshop MYWAY, ALL

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PARTICIPANTS

Surname	Name	Organization	Project
Boero	Marco	Softeco Sismat S.r.l.	MyWay (Coordinator)
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Schilling	Tom	VMZ	MyWay
Becker	Daniel	Fraunhofer FOKUS	MyWay
Sawade	Oliver	Fraunhofer FOKUS	MyWay
Frotscher	Alexander	AustriaTech	MyWay (Advisory Board)
Cranny	Peter	Irish NTA	MyWay (Advisory Board)
Menichetti	Marco	Legambiente	MyWay (Advisory Board)
Vande Velde	Linde	Tom Tom	MyWay (Advisory Board)
Palomares	Susana	ATOS SPAIN	MOVEUS (Coordinator)
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Surname	Name	Organization	Project
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Nagappa	Yogesh	Siemens	STREETLIFE
Nurminen	Andy	Aalto	STREETLIFE
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Pilz	Alexander	Verkehrsverbund Berlin-Brandenburg	STREETLIFE (Advisory Board)
Moustaid	Elhabib	KTH	PETRA
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