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Integrated Control of Multiple-Motor and Multiple-Storage Fully Electric Vehicles

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Year 1 Dissemination Report



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1 Introduction

This document describes the public communication and presentation activities carried out during the first year of the iCOMPOSE project.

The report is organised in the following five sections: Section 2 outlines the activities in relation to the management and planning of the dissemination activities. Section 3 provides a brief overview on the project logo and the project website. The technical presentations and publications prepared in the first year are detailed in section 4. Section 5 describes the activities to promote and increase the visibility of the iCOMPOSE project, and section 6 provides an outlook on the dissemination activities planned for year 2.

2 Coordination of dissemination activities

The dissemination activities of the iCOMPOSE consortium are planned to achieve the widest possible dissemination by targeting different audiences, including researchers, general public and media. All consortium partners are involved in dissemination activities. The leader of the corresponding Work Package (WP) 1 “Project management and Dissemination” is the project coordinator, VIRTUAL VEHICLE Competence Center (VIF). All consortium partners are involved in the dissemination tasks of WP 1.

In the first year, the dissemination activities were discussed and ratified during the two formal consortium meetings:

- The kick-off project meeting, Graz (Austria), 07.10.2013: introduction and approval of the dissemination plan for the first year of the project;
- The six-month review meeting, Mladá Boleslav (Czech Republic), 01.04.2014: adjustment of the dissemination plan for the first year of the project to further enhance recognition of the project;

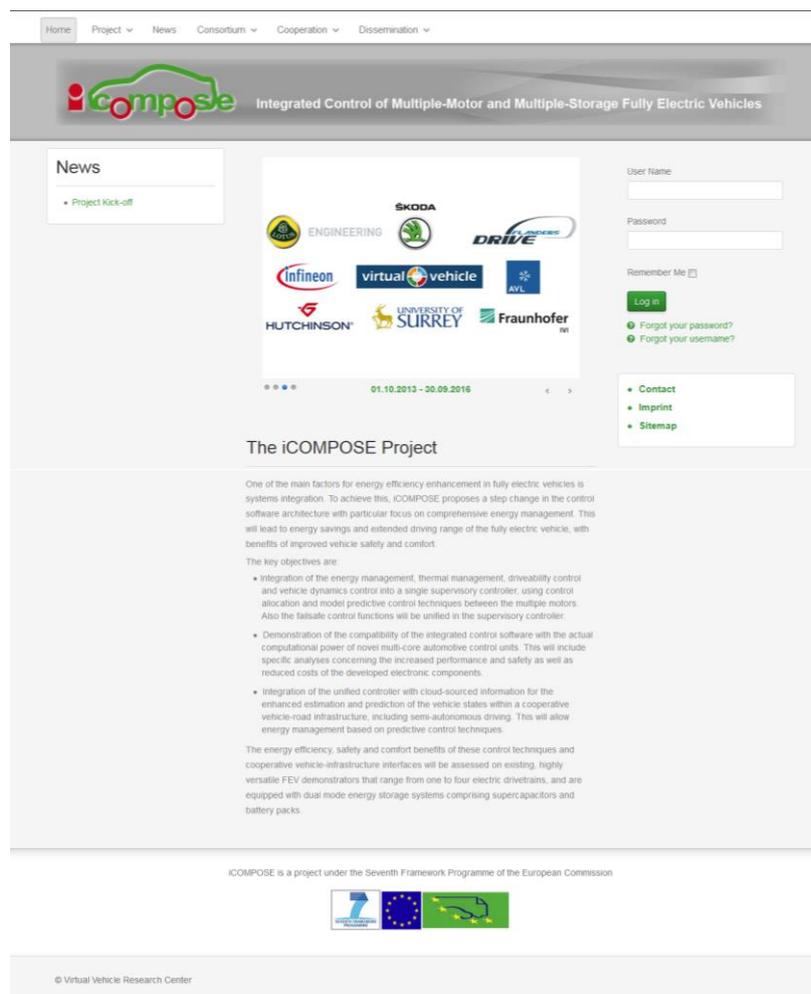
3 iCOMPOSE project logo and website

The project logo (Figure 3-1) is used by all the project partners for written communications related to iCOMPOSE including reports, posters and presentations.



Figure 3-1: iCOMPOSE project logo

The project website (Figure 3-2) has been designed and created by VIF and it was launched on 11.11.2013. The website is registered in the eu-domain area as www.i-compose.eu. In addition to a public domain, the website contains a restricted access area available only to the project partners. The restricted area is designated for storing and sharing all project documents between partners on a secure server. The secure server is physically located at Virtual Vehicle, Graz (Austria).



The screenshot shows the homepage of the iCOMPOSE project website. At the top, there is a navigation menu with links for Home, Project, News, Consortium, Cooperation, and Dissemination. Below the menu is the iCOMPOSE logo and the full name of the project: "Integrated Control of Multiple-Motor and Multiple-Storage Fully Electric Vehicles".

The main content area is divided into several sections:

- News:** A section titled "News" with a sub-link for "Project Kick-off".
- Partners:** A central area displaying logos of project partners: ENGINEERING, SKODA, DRIVE, Infineon, virtual vehicle, HUTCHINSON, UNIVERSITY OF SURREY, and Fraunhofer.
- Log in:** A login form on the right side with fields for "User Name" and "Password", a "Remember Me" checkbox, and a "Log in" button. Below the form are links for "Forgot your password?" and "Forgot your username?".
- Navigation:** A sidebar on the right with links for "Contact", "Imprint", and "Sitemap".
- The iCOMPOSE Project:** A section with a title and a paragraph of text describing the project's goals and objectives. The text mentions energy efficiency, systems integration, and the use of predictive control techniques.

At the bottom of the page, there is a footer with the text "iCOMPOSE is a project under the Seventh Framework Programme of the European Commission" and logos for the European Union and the project itself. The footer also includes the copyright notice "© Virtual Vehicle Research Center".

Figure 3-2: iCOMPOSE project website (www.i-compose.eu)

4 Research and technology dissemination activities

Table 1 summarises the conferences at which consortium partners presented the iCOMPOSE project and the preliminary results of the first year.

Table 1 Conference presentations during the first year

No.	Authors, Title	Event and status	Partners involved
1.	J. Machan, P. Nedoma , J. Plíhal, "představení projektu iCOMPOSE - Integrované řízení sdruženého pohonu a duálního zdroje energie u plně elektrických vozidel"	The XXIII. International Scientific Conference of Forensic Engineering	SKODA
2.	D. Watzenig, "With Car-2-X to greater safety and efficiency - New potential for active safety and vehicle management"	CTI Conference, Connected Car, Munich, 2013-11-05	VIF
3.	D. Watzenig, "Project "iCOMPOSE"	InnoBATT Conference, Graz, 2014-04-09/10	VIF
4.	D. Watzenig, "Intelligent energy management through the integration of a data cloud"	CTI Conference, Thermal Management in Overall Vehicle Concept, Stuttgart, 2014-07-22/23	VIF
5.	D. Watzenig, "Connected and Comprehensive Energy Management of Electrified Vehicles"	2014 International Conference on Connected Vehicles, Vienna, 2014-11-03/07	VIF



5 Promotion and outreach activities

The promotion activities of the consortium are targeted towards wider audiences, including the general public and media. The first promotion activity was the launch of the project website (<http://www.i-compose.eu>) as described in section 3. The link to the project website has located in EU internet resources related to FP7 programme:

- Official Internet portal of the European Green Car Initiative, <http://www.green-cars-initiative.eu>
- Press release in relation to the clustering of FP7 projects: *FP7 projects eDAS, iCOMPOSE and INCOBAT started – and formed the cluster “4th Generation EV”* (<http://www.i-compose.eu/iCompose/index.php/dissemination-new/public-download?download=1:cluster-press-release>)
- iCOMPOSE newsletter, which summarises the highlights of the first year (www.i-compose.eu/iCompose/index.php/dissemination-new/public-download?download=2:newsletter-october-2014)

Flanders' DRIVE has sent out a newsletter on 30/06/14 with a topic on our participation in iCOMPOSE and the project status. A weblink is available here: <http://www.flandersdrive.be/nl/over-ons/nieuws/project-de-kijker-icompose>

AVL and VIF represented and discussed the iCOMPOSE project at the 26th International AVL Conference "Motor und Umwelt" (Engine and Environment) on 11-12/09/14 at AVL List GmbH, Hans-List-Platz 1, 8020 Graz/Austria. A weblink is available here: <https://www.avl.com/engine-environment-2014>

As listed above, iCOMPOSE is part of the 4th generation electric vehicle cluster together with the FP7 projects incobat and eDAS (Figure 5-1). Several cluster meetings were arranged during the first year: three WebEx meetings have been scheduled and two meetings were held in Graz (November 2013 and April 2014). The participants were Daniel Watzenig, Stephanie Messner (both from VIF), Eric Armengaud, Nadine Knopper (both from AVL), Reiner John and Daniela Maier (both from Infineon).

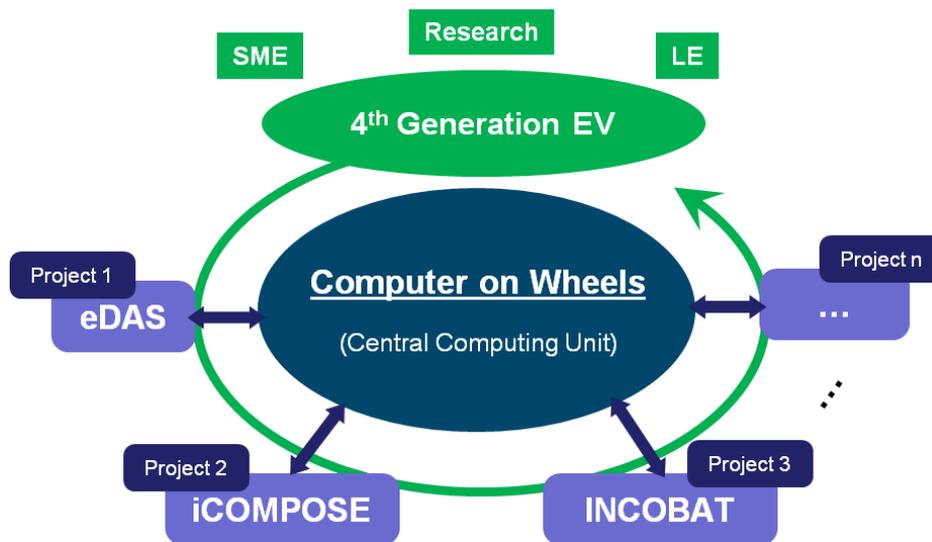


Figure 5-1: 4th Generation EV – Project Cluster „Computer on Wheels“

6 Dissemination activities for year 2

The preliminary plan of the dissemination activities for the second year of the project is subject to approval by all the consortium members during the annual review meeting in November 2014. At the time of writing the report, the following dissemination activities are planned and further activities will be added after the first annual review meeting:

- Publications in leading scientific journals, including:
 - Control allocation algorithms for fully-electric vehicles; Control Engineering Practice
 - High-level vehicle dynamics control algorithms for fully-electric vehicles; IEEE/ASME Transactions on Mechatronics
- Dissemination Events
 - IEEE 3rd International Conference on Connected Vehicles and Expo (ICCVE), November 3rd to 7th, 2014, Vienna
 - 8th Graz Symposium on Interdisciplinary Vehicle Development (GSVF), Graz, Austria, May 19-20, 2015
 - 24th International Symposium on Dynamics of Vehicles on Roads and Tracks, Graz, Austria, August 17-21, 2015