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Workshops

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The Consortium

Region Västra Götaland (S)	Chalmers University of Technology (S)	Volvo (S)
Politecnico di Torino (I)	Centro Ricerche Fiat (I)	Piedmont Region (I)
City of Regensburg (G)	Regensburg University of Applied Sciences (G)	
Continental (G)	Mov'eo (F)	Warsaw University of Technology (P)

Index

DOCUMENT INFORMATION	2
1. <i>SUMMARY</i>	4
2. <i>REGION PIEMONTE</i>	
3. <i>REGION REGENSBURG</i>	
4. <i>REGION PARIS-ROUEN (MOV'EO)</i>	
5. <i>REGION WARSAW</i>	
6. <i>REGION VASTRA GOTALANDS</i>	

1. Summary

This deliverable reports on the awareness raising workshops carried out in the five partner regions during the first phase of the project. The objective of the workshops has been to inform cluster members and key regional stakeholders about the SAGE project and invite them to participate in SAGE activities. Partners have also taken the opportunity to combine this objective with other objectives such as:

- Discussion about regional strategies and priorities on SAGE topics
- Discussion on enhanced cooperation within the cluster (cluster organization / cluster management topic)
- Input for WP2 and WP3 (regional report and regional swots)
- Information about other cluster activities on SAGE topics
- Presentation of R&D activities within the SAGE topics

The clusters have formed their own workshops taking into account their regional setting. In Warsaw the workshop was combined with the International Symposium on Electric vehicles. In France several workshops were carried out in the different working groups of Mov'eo. In Regensburg the workshop was arranged at the same time as the annual cluster conference.

536 people have visited the workshops in total. The reported results are an increased awareness of the SAGE project, agreements to contribute to SAGE results, enhanced awareness on SAGE topics and good input to regional priorities and strategies.



Safe and green road vehicles

D8.4

Awareness Raising Workshop

Piemonte



Awareness raising workshop in **Torino**

Date: 16th May 2012

Venue: Regione Piemonte – Direzione Innovazione, Ricerca ed Università
Corso Regina Margherita, 174 - 10152 Torino

Number of participants: around 80

Main target groups / nature of audience: industry / public administration / research / education organisations

Main purpose: With this workshop the Italian partners of the SAGE consortium – Regione Piemonte, Politecnico di Torino and Centro Ricerche - illustrated SAGE project and activities to more than 80 participants, but also:

. presented results obtained so far and those still to be fulfilled, in order to highlight skills and capability of the region for the launch of the "Torino automotive cluster" ;

. started - during the "open discussion session" held in the afternoon - a useful dialogue with the triple-helix regional actors in order to enhance cooperation on SAGE issues

Main topics: SAGE's project presentation (context, overview and insights); overview of recent actions promoted by Regione Piemonte supporting the Automotive sector; focus on green tech and innovation cluster; open session with / involvement of participants

Description of agenda and speakers:

MORNING SESSION

Sage project: context and overview

- Anna Maria Caputano - [Regione Piemonte](#), Innovation, Research and University Department;

Sage project: a tool for the analysis of the regional context, the identification of research priorities, the development of skills and the promotion of international collaboration in the automotive sector context and overview on Sage project

- Ezio Spessa - [Politecnico di Torino](#), Department of Energy

The recent actions of the Piedmont Region for the automotive sector

- Franco Rossigno - Regione Piemonte, Innovation, Research and University Department;





Safe and green road vehicles

- Elisa Peinetti - Regione Piemonte, Innovation, Research and University Department, European projects unit;
- Gianluigi Berrone, Regione Piemonte, Transportation Department;
- Milena Orso Giacone, Regione Piemonte, Environment Department;

. *Piedmont automotive industry and the challenge of green technologies*
Filippo Chiesa - [Step Ricerche](#) for the Italian Observatory on the Automotive Components Industry by the Turin Chamber of Commerce
([Chiesa](#) works as Project Manager on Social and economic Issues for Step, which is an economic consulting firm)

. *The MESAP for the automotive sector in Piedmont*
Dario Scapaticci – [MESAP](#), Mechatronics and Systems for Advanced Production Innovation Cluster
([Scapaticci](#) works as Technical Project Manager for MESAP which is one of the 12 Innovation Clusters sponsored by Regione Piemonte inside 2007-2013 ERDF Regional Programme).

AFTERNOON SESSION

. *Open discussion: Specific features of Piedmont Automotive Industry, prospects and proposals for future actions*
Moderator: Francesco Mosca – [AMMA](#), Associated Mechanic, Mechatronic Enterprises. (Mosca is responsible for the “Innovation Point”, AMMA’s department in charge for technical information and the spread of innovation in technologically-advanced sectors)

Additional comments:

. Presentations and pictures of the “Torino Regional Workshop” are available at the following address:

<http://www.regione.piemonte.it/innovazione/ue/progetti-regionali/sage.html>

. The event was advertised on the following website:

- Regione Piemonte

<http://www.regione.piemonte.it/innovazione/ricerca/notizie/progetto-europeo-sage-safe-and-green-road-vehicles-a-maggio-il-torino-regional-workshop-4.html> (April 2012)

<http://www.regione.piemonte.it/innovazione/ricerca/notizie/progetto-europeo-sage-on-line-le-presentazioni-del-torino-regional-workshop-2.html> (May 2012)

- Politecnico di Torino

<http://www.polito.it/php/news/index.php?idn=4002&lang=it>





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- [POLO ICT](http://www.poloinnovazioneict.org/sage_torinoRegionalWorkshop_eng.php), (ICT Innovation Clusters sponsored by Regione Piemonte inside 2007-2013 ERDF Regional Programme)
http://www.poloinnovazioneict.org/sage_torinoRegionalWorkshop_eng.php
- [API Torino](http://www.apito.it/it/home_servizi.aspx?a=Archivio%20news&f=Area%20innovazione&sf=UNICO&ssf=UNICO&t=db&l=2&i=9130&v=%E2%80%9CTorino+Regional+Workshop%E2%80%9D+-Mercoled%C3%AC+16+maggio+2012&srch=2&id_news=422&id_user=410), (Association of Small and Medium Enterprises of the City and Province of Turin)
http://www.apito.it/it/home_servizi.aspx?a=Archivio%20news&f=Area%20innovazione&sf=UNICO&ssf=UNICO&t=db&l=2&i=9130&v=%E2%80%9CTorino+Regional+Workshop%E2%80%9D+-Mercoled%C3%AC+16+maggio+2012&srch=2&id_news=422&id_user=410
- [MESAP](#) newsletter (Innovation Clusters sponsored by Regione Piemonte inside 2007-2013 ERDF Regional Programme)

Annexes:

1. **Invitation**
2. **Agenda**
3. **Participant list**



Buongiorno,
siamo lieti di invitarLa al

SAGE Torino Regional Workshop



che si terrà **mercoledì 16 maggio 2012** a partire dalle ore 9.30 , presso la sede della **Direzione Innovazione, Ricerca ed Università della Regione Piemonte**, in Corso Regina Margherita, 174 a Torino.

Il "Torino Regional Workshop" promosso da "SAGE – Safe and Green Road Vehicles", progetto approvato e finanziato nell'ambito del Settimo Programma Quadro per la Ricerca e lo Sviluppo Tecnologico, intende aprire una discussione sulle azioni da intraprendere per promuovere l'innovazione e la competitività nell'area del trasporto su strada sostenibile, realizzando una "smart integration" con altre regioni e cluster automotive europei ed iniziative e programmi in corso a livello regionale, nazionale ed europeo.

In allegato troverà il programma del workshop. Confidando nella Sua partecipazione La invitiamo ad inviarci conferma della Sua presenza compilando e restituendo entro venerdì 11 maggio la scheda in allegato all'indirizzo **settorericercadb13.03@regione.piemonte.it**

Cordialmente,
la segreteria organizzativa SAGE presso Regione Piemonte

in allegato: programma del "SAGE Torino Regional Workshop" e la scheda di partecipazione



SAGE

Safe and green road vehicles

16 maggio 2012 "Torino Regional Workshop"

**Regione Piemonte - Direzione Innovazione, Ricerca ed Università
Corso Regina Margherita, 174 - 10152 Torino**

Il "Torino Regional Workshop" è organizzato nell'ambito di "**SAGE – Safe and Green Road Vehicles**" – azione di coordinamento e supporto alla ricerca approvata e finanziata nell'ambito del Settimo Programma Quadro per la Ricerca e lo Sviluppo Tecnologico della Commissione Europea. Il workshop ha l'intento di avviare una discussione sulle azioni da intraprendere per promuovere l'innovazione e la competitività nell'area del trasporto su strada sostenibile, realizzando una "smart integration" con altre regioni e cluster in Europa, nonché con iniziative e programmi in corso a livello regionale, nazionale ed europeo.

9.30 **Registrazione partecipanti**

9.45 **Saluti di benvenuto**

Dott. Roberto Moriondo, Regione Piemonte
Responsabile Direzione Innovazione, Ricerca ed Università

10.00 **Il Progetto SAGE:**

contesto e visione d'insieme

Dott.ssa Anna Maria Caputano, Regione Piemonte
Settore Ricerca, Innovazione e Competitività

uno strumento per l'analisi del contesto regionale, l'individuazione delle priorità di ricerca, lo sviluppo di competenze e la promozione di collaborazioni internazionali nel settore automotive
Prof. Ezio Spessa, Politecnico di Torino, Dip. Energia

10.40 Coffee Break

11.00 **Le recenti azioni della Regione Piemonte per l'automotive**

Direzione Innovazione, Ricerca ed Università
Direzione Attività Produttive
Direzione Trasporti, infrastrutture, mobilità e logistica
Direzione Ambiente

12.00 **Piemonte, regione europea "automotive intensive"**

La filiera auto piemontese e la sfida delle green technologies
Dott. Filippo Chiesa di Step Ricerche srl per l'Osservatorio sulla filiera autoveicolare italiana, Camera di commercio di Torino

Il MESAP per l'automotive piemontese

Dott. Dario Scapaticci, Responsabile tecnico MESAP, Polo di Innovazione della Meccatronica e dei Sistemi Avanzati di Produzione

12.40 **Conclusioni, discussion time e presentazione della tavola rotonda**

13.00 Lunch Buffet

14.15 **Open discussion: "Le specificità in Piemonte del Settore Automotive, le prospettive e le proposte di azioni future"**

Moderatore: Ing. Francesco Mosca,
Responsabile "Innovation Point" presso AMMA - Aziende Meccaniche Meccatroniche Associate



SAGE ➤➤➤ Torino Regional Workshop



Regione Piemonte
 Direzione Innovazione, Ricerca ed Università
 corso Regina Margherita, 174
 10152 Torino
 Torino, 16 maggio 2012



PARTECIPANTE	ORGANIZZAZIONE	FIRMA
ALABISO Corrado	FONDAZIONE MICHELIN SVILUPPO	
ALBANO Paolo	MICHELIN ITALIA spa	
ALLWARDT Philipp	PROXIMA CENTAURI	
ANZIOSO Franco	CRF-CENTRO RICERCHE FIAT	
ARGONDIZZA Andrea	AMET	
BALLARIN Serena	UNIVERSITA' di TORINO - CSTF	
BARAGHINI Franco	ALTRAN ITALIA	
BARALE Claudia	UNIVERSITA' di TORINO - CSTF	
BARAZZA Barbara	CAMERA di COMMERCIO di TORINO	
BARILE Giuseppe	WEBASTO SpA	
BENEDETTO Andrea	POLITECNICO di TORINO	
BERRONE Gianluigi	REGIONE PIEMONTE Direzione Trasporti, Infrastrutture, Mobilità e Logistica	
BRATTA Francesca	REGIONE PIEMONTE Ambiente	
BREVI Daniele	ISMB	
CACCIAVILLANI Gianpaolo	AKHELA	

CALABRESE Giuseppe	CERIS - CNR	
CANTAMESSA Marco	I3P Incubatore Imprese Innovative Politecnico di Torino	
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CARENA Marco	ACCORDO	
CARRUS Nicola	AKHELA	
CENEDESE Luigi	KGR Elettronica	
CHIESA Filippo	STEP RICERCHE	
CIPOLLA Gabriella	TEX 97 Libero professionista	
CIPOLLA Giovanni	Libero professionista	
CONTARDI Cristina	POLITECNICO di TORINO	
DALLA CHIARA Bruno	POLITECNICO di TORINO	
DEAMBROGI Edgardo	JACOBACCI	
DEPAOLI Silvia	CAMERA di COMMERCIO di TORINO	
DI FALCO Sara	REGIONE PIEMONTE Direzione Innovazione, Ricerca ed Università	
DICHIO Lucia	REGIONE PIEMONTE Direzione Innovazione, Ricerca ed Università	
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DURETTI Sergio	CSP Innovazione nelle ICT	
FARRUGGIA Rosario	ACEA PINEROLESE IND. Spa	
FERLA Marisa	UNIVERSITA' di TORINO	
FERRERO Gianni	PROXIMA CENTAURI	

FERRERO Marta	REGIONE PIEMONTE Direzione Innovazione, Ricerca ed Università	
FUMERO Francesca	TRW AUTOMOTIVE ITALIA Srl	
GALLIZIO Federico	OPTIMAD Engineering	
GERINI Andrea	CRF-CENTRO RICERCHE FIAT	
GIARRATANA Vincenzo	FONDAZIONE TORINO WIRELESS	
GIORGIS Valerio	EXEMPLAR srl	
GUERRIERI Pietro	PoliModel srl	
LAUDISA Federica	Osservatorio Regionale per l'Università e per il Diritto allo studio universitario	
BIANCHI MARZIO	CEIP	
BERTORELLI ILENA	POLITECNICO DI TORINO	
PAOLO RAVASI	CSI	
CLAUDIO INGUAGLIATO	CSP	
CECILIA AVANZO	Regione Piemonte Sistema Poldiritti e Beni Culturali	
LUISA ABRIGO	Reg. Piemonte Settore Politiche En.	

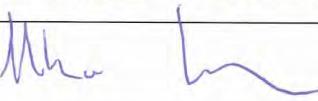
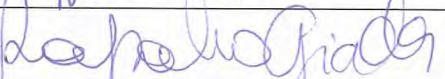
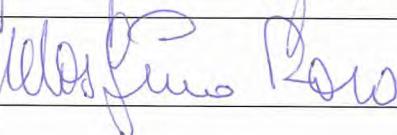
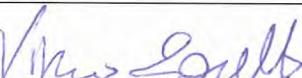
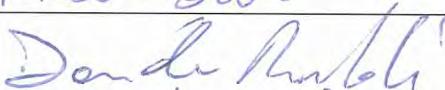
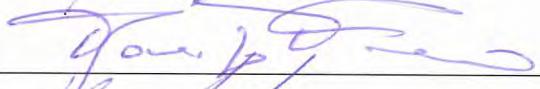
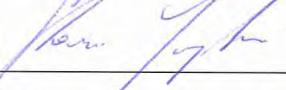
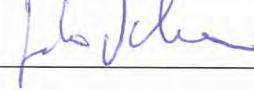
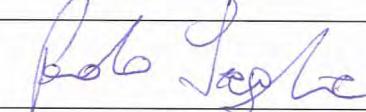
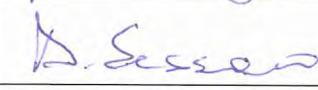
SAGE Torino Regional Workshop



Regione Piemonte
 Direzione Innovazione, Ricerca ed Università
 corso Regina Margherita, 174
 10152 Torino
 Torino, 16 maggio 2012



PARTECIPANTE	ORGANIZZAZIONE	FIRMA
MACHADO Paulo	REGIONE PIEMONTE	
MALVICINO Carloandrea	CRF-CENTRO RICERCHE FIAT	
MANCASTROPPO Rosanna	REGIONE PIEMONTE Direzione Agricoltura	
MASSA Francesco	IVECO	
MELIGA Valerio	MAGNETI MARELLI	
MILONE <i>Laura CLAUDIA</i>	PROVINCIA di TORINO Progetto Prosesc	
MISUL Daniela	POLITECNICO di TORINO Dipartimento Energia	 Relatore
MONTAGNANI Alessio	INTECS SpA	
MORELLO Eugenio	IVECO	
MORIONDO Roberto	REGIONE PIEMONTE Direzione Innovazione, Ricerca ed Università	
MOSCA Francesco	AMMA - Aziende Meccaniche Meccatroniche Associate	 Relatore / Moderatore
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NAPOLI Maria Luisa	Mod.EN srl	
ORSO GIACONE Milena	REGIONE PIEMONTE Direzione Ambiente	
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RIVA Rossella	CONFININDUSTRIA	
ROSSIGNO Franco	REGIONE PIEMONTE Direzione Innovazione, Ricerca ed Università	
SCAPATICCI Dario	UNIONE INDUSTRIALE	
SCARANARI Norma	REGIONE PIEMONTE Direzione Innovazione, Ricerca ed Università	
SCHENA Fabio	API Torino	
SCOPIGNO Riccardo	ISMB	
SEGLIE Paolo	PININFARINA	
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SPIOTTA Anna	REGIONE PIEMONTE Direzione Attività Produttive	
STEVENIN Marco	REGIONE PIEMONTE Direzione Innovazione, Ricerca ed Università	
TOLIN Paola	CAMERA di COMMERCIO di TORINO	
VACCANI Daniela	UNIVERSITA' di TORINO	

VITALI Domenico	DENSO THERMAL SYSTEMS spa	<i>Domenico Vitali</i>
VOLONTA' Marco	FONDAZIONE TORINO WIRELESS	
VIMCI Aurelia	Regione Piemonte	<i>Aurelia Vimci</i>
ROMANO CAGENNA	POLITECNICO DI TORINO	<i>Adelene Romano</i>
MERLUSO BUGENNO	IVECO	<i>Enrico Merlusso</i>
VACCA SILVIA	POLITO	<i>Silvia Vacca</i>
IRENE SEARNONE	REGIONE PUGLIA	<i>Irene Searnone</i>

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Safe and green road vehicles

D8.4

Awareness Raising Workshop

Regensburg



Awareness raising workshop in **Regensburg**

Date: 2012-03-13

Venue: Energy Agency Regensburg

Number of participants: 55

Main target groups / nature of audience: Cluster members

Main purpose: Introduction of the SAGE project and information on Cluster topics

Main topics:

- Presentation of the SAGE-project to the Cluster Community
- Information on Cluster Activities & ongoing Projects
- Networking

Description of agenda and speakers:

- Greeting (Dieter Daminger)
- Actual Cluster themes:
 - Presentation of EU-Project SAGE „Safe and Green Road Vehicles“ (Dr. Christine Knorr)
 - NEMO Network „Intelligent Charging Infrastructure“ (Uwe Pfeil, Netzwerkmanagement IT-Inkubator Ostbayern)
 - Integration of E-Mobility into the Distribution Grid (Prof. Dr. Oliver Brückl, Univ. of Applied Sciences Regensburg)
 - Intelligent Voltage Control (Clemens Thomas, REWAG)
 - E-Mobility at the City of Regensburg (Toni Lautenschläger, Dept. of Economic Development)
 - Hybrid bus – latest Development from Regensburg (Anton Angermaier, AVL Software & Functions)
 - Bavarian E-Mobility showcase Region – actual Status (Klaus Grepmeier, EU Coordinator)
 - PG Elektrus – the exclusive e-Roadster from Regensburg (Manuel Ostner, PG Trade & Sales)

Results (in short words please conclude on the results of the workshop):



- The SAGE project was introduced to the Cluster community; their participation possibilities and the opportunities were explained; the Cluster involvement in WP 2, WP 3 and WP 7 was presented. The methodology of WP2 including the timeline for questionnaire, interviews, and regional strategic workshop was discussed. The cluster community is aware of the SAGE project.

The workshop was combined with the first annual cluster meeting. The members were informed about Cluster projects and activities.

Annexes:

1. Invitation
2. Participant list
3. Photos
4. Article one
5. Article two



Safe and green road vehicles



Dipl.-Phys. Toni Lautenschläger iststellvertretender Leiter des Amtes für Wirtschaftsförderung und Leiter der Arbeitsgruppe Antriebsstrang.



Dipl.-Wirtschaftsingenieur Uwe Pfeil ist Projektleiter am IT-Inkubator Ostbayern und Leiter des Netzwerkes intelligente Ladetechnik.



Dr. Herbert Vogler ist Physiker und Geschäftsführer des IT-Inkubators Ostbayern. Er leitet den Arbeitskreis Sicherheitsarchitektur im E-Fahrzeug.



Das Team des E-Mobilitätsclusters

Prof. Dr. Wolfgang Bauer ist Vizepräsident der Hochschule Regensburg und koordiniert die Zusammenarbeit des Clusters mit den Hochschulen.



Dipl.-Ing. Norbert Breidenbach ist seit 2001 Vorstandsvorsitzender der REWAG mit rund 400 Mitarbeitern. Er leitet die Arbeitsgruppe intelligente Energieversorgung.



Klaus Gremmeier studierte Maschinenbau an der TU München und ist seit 2006 der EU-Koordinator der Stadt Regensburg.



Dr. Christine Knorr hat an der Universität Regensburg Physik studiert und ist Projektleiter für Elektromobilität im Amt für Wirtschaftsförderung der Stadt Regensburg.

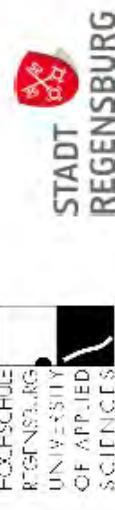


Einführung

Ein gutes Jahr ist nun vergangen seitdem die Wirtschaftsförderung der Stadt Regensburg den E-Mobilitätscluster aus der Taufe gehoben hat. Vier Arbeitskreise arbeiten seitdem an den vielsichtigen Themen der Elektromobilität: angefangen vom Antriebstrang und der Sicherheitsarchitektur im Elektrofahrzeug über die Ladetechnik bis zur intelligenten Energieversorgung.

Nun ist es an der Zeit, Resümee zu ziehen. Wir möchten mit dieser Veranstaltung die Aktivitäten und erste Erfolgsmeldungen präsentieren und mit Ihnen zusammen die Elektro-mobile Zukunft in Regensburg diskutieren.

Wir freuen uns auf Ihr Kommen!



STADT
REGENSBURG



für die Oberpfalz

intelligente Ladetechnik

in der E-Mobilität



Programm

Get Together ab 18:00 h

16:00 h

Begrüßung
Dieter Dämmering, Wirtschafts-, Wissenschafts- und Finanzreferent der Stadt Regensburg

Aktuelle Themen im Cluster

16:10 h

Vorstellung des EU-Projektes „Safe and Green Road Vehicles“
Dr. Christine Knorr, Stadt Regensburg, Amt für Wirtschaftsförderung

Veranstaltungsort

Energieagentur Regensburg

Altmühlstraße 1
93059 Regensburg

Parken

Es sind ausreichend Parkmöglichkeiten im Innenhof vorhanden. Bitte der Beschilderung folgen.

Datum

13. März 2012

Beginn: 16:00 h

Teilnahmebedingungen

Die Teilnahme an der Veranstaltung ist kostenfrei.
Bitte melden Sie sich rechtzeitig an, die Teilnehmerzahl ist begrenzt.

Organisation:
Stadt Regensburg, Amt für Wirtschaftsförderung
Dr. Christine Knorr
Telefon 0941/507-2854
Telefax 0941/507-4858

Anmeldung:
per e-mail an knoett.christine@regensburg.de
unter Angabe von Name, Unternehmen und Teil- Nummer

Participant list:

"Ein Jahr E-Mobilitätscluster Regensburg - Rückblick und Ausblick"			
Titel	Name	Vorname	Unternehmen
Dr.	Abele	Andreas	Continental Automotive GmbH
	Achter	Franz	Achter Elektronik AG
	Angermaier	Anton	AVL Software and Functions GmbH
Prof. Dr.	Baier	Wolfgang	HS Regensburg
	Bart	Astrid	SCHNEIDER ELECTRIC GmbH
	Beer	Peter	SCHNEIDER ELECTRIC GmbH
Prof. Dr.	Bierl	Rudolf	HS Regensburg
	Boeld	Martin	Continental Automotive GmbH
	Braun	Jürgen	AVL Software and Functions GmbH
Prof. Dr.	Brückl	Oliver	HS Regensburg
	Bücherl	Josef	Unternehmensberatung
	Bücherl	Joachim	Autohaus Bücherl Jo.-Tec. GmbH
	Buchhauser	Markus	Tiete Deutschland GmbH
	Busch	Markus	HÖRMANN Automotive Wackersdorf GmbH
	Cüsow	Michael	
	Daminger	Dieter	Referat für Wirtschaft, Wissenschaft und Finanzen
	Deiml	Mathias	AVL Software and Functions GmbH
	Ferstl	Peter	Stadt Regensburg
	Fießmann	Hubert	Conrad Electronic SE
	Friedl	Ludwig	Energieagentur Regensburg
	Glaser	Sebastian	AVL Software and Functions GmbH
	Grepmeier	Klaus	Wirtschaftsförderung
	Groehlich	Klaus	S-Y Systems Technologies Europe GmbH
	Gruber	Rudolf	Stadt Regensburg
	Huber	Michael	Wirtschaftsförderung
	Iamandi	Heiko	Bertrandt Ingenieurbüro GmbH
	Käspeitzer	Brigitte	Maschinenfabrik Reinhhausen
	Klement	Wolfgang	REWAG
	Kliegl	Anton	Anton Kliegl Managementberatung
Dr.	Knorr	Christine	Wirtschaftsförderung
	Koller	Manfred	Wirtschaftsförderung
	Kratzsch	Marcus	Vector Informatik GmbH
	Kusch	Hartmut	AVL Software and Functions GmbH
	Lauch	Kurt	Continental Automotive GmbH
	Lautenschläger	Toni	Wirtschaftsförderung
	Leberzammer	Jörg	Siemens AG
	Limmer	Thomas	Student HS Regensburg
	Litzel	Nicole	IAB, Projekt CORIS
	Mock	Klaus	Stadt Regensburg
	Neder	Matthias	Matthias Neder Softwareentwicklungsbüro
	Ostner	Manuel	PG Trade & Sales
	Pfeil	Uwe	IT-Inkubator Ostbayern
Dr.	Roesel	Birgit	Continental Automotive GmbH
Prof. Dr.	Roth	Richard	HS Regensburg
Dr.	Rüth	Christine	Wissenschaftskommunikation / Technisches Marketing
	Schaffelhuber	Kerstin	Energieagentur Regensburg
	Schaffranka	Marcus	HÖRMANN Automotive Wackersdorf GmbH
	Schiekofer	Peter	Vector Informatik GmbH
	Schwab	Georg	AVL Software and Functions GmbH
	Thaller	Ernst	Technisches Büro Thaller
	Thomas	Clemens	REWAG NETZ GmbH
Dr.	Voget	Stefan	Continental Automotive GmbH
Dr.	Vogler	Herbert	IT-Inkubator Ostbayern
	Wels	Anna	INSYS MICROELECTRONICS GmbH
	Wimmer	Bernhard	OSRAM Opto Semiconductors GmbH





Safe and green road vehicles

Pictures:



März 2012

Spitze an der Donau

Wirtschaftsförderung aktuell

Wirtschaftsförderung aktuell **E-Mail News** erscheint 2-monatlich und informiert die Regensburger Wirtschaft

Ein Jahr E-Mobilitätscluster Regensburg

Der E-Mobilitätscluster Regensburg feierte im März sein einjähriges Bestehen mit der Jubiläumsveranstaltung „Ein Jahr E-Mobilitätscluster Regensburg – Rückblick und Ausblick“. Präsentiert wurden laufende Aktivitäten und erste Erfolgsmeldungen. Zum Schwerpunkt Fahrzeug präsentierte die AVL Software & Functions das aktuelle Thema Hybridbus und PG-Trade & Sales den neuen e-Roadster PG-Elektrus. Die Stadt Regensburg wird ab Mai zwei E-Fahrzeuge im städtischen Fahrzeugpool betreiben – innerstädtischer Verkehr ist zum momentanen Zeitpunkt eine der wichtigsten Anwendungen für die Elektromobilität.

Innerhalb des letzten Jahres konnten Fördermittel für drei Projekte eingeworben werden: die Wirtschaftsförderung der Stadt Regensburg, die Continental AG und die Hochschule Regensburg entwickeln mit vier weiteren hochrangigen Automobilregionen Kooperationsstrategien im Rahmen des EU-Projektes SAGE (safe and green road vehicles). Das Projekt wird im 7. Forschungsrahmenprogramm der EU gefördert (vgl. Newsletter November 2011). Fokus-Thema in SAGE ist Elektromobilität; das Projekt bietet somit eine hervorragende Möglichkeit, den E-Mobilitätscluster mit den Partnerregionen zu vernetzen.

Die Arbeitsgruppe „intelligente Ladetechnik“ wird seit September 2011 als NEMO-Netzwerk vom Bundeswirtschaftsministerium gefördert. Dem Thema „Integration der E-Mobilität in die Verteilungsnetze“ widmete sich die Hochschule Regensburg. Die REWAG präsentierte das von der bayerischen Forschungsstiftung geförderte Projekt „Intelligente Spannungsregelung“, ein Verbundvorhaben der REWAG, der Maschinenfabrik Reinhauen sowie der Hochschule Regensburg.

Die Wirtschaftsförderung der Stadt Regensburg hat sich überdies an der Bewerbung für das „Schaufenster Elektromobilität“ der Bundesländer Bayern/Sachsen beteiligt. Im April werden drei bis fünf national und international sichtbare Regionen ausgewählt. 180 Millionen Euro will die Bundesregierung für die ausgewählten Schaufenster ausgeben.

Ziel des E-Mobilitätsclusters ist es, den Standort Regensburg für die Automobiltechnik der Zukunft zu rüsten. Dem Netzwerk gehören derzeit etwa 40 Partner an, die aktiv in den vier Arbeitskreisen Antriebsstrang, Sicherheitsarchitektur im E-Fahrzeug, intelligente Ladetechnik und intelligente Energieversorgung (smart grid) an der Umsetzung von Projekten arbeiten.

Kontakt:

Stadt Regensburg · Amt für Wirtschaftsförderung

Dr. Christine Knorr

☎ (0941) 507-2854 · ✉ knorr.christine@regensburg.de

Regensburger Standort-Barometer

RETAX 1922 ▲ 1883 (01/12) **Arbeitslosenquote** 02/12: 3,7 % ▼ (02/11: 4,1 %)



So sieht der Elektronic Formula Student Rennwagen der Hochschule Regensburg aus.

Foto: regenics

E-Mobilcluster zu Gast in Regensburg

AUTOTECHNOLOGIE Drei Tage lang erarbeiteten internationale Experten Kooperationsstrategien für sichere Fahrzeugkonzepte der Zukunft.

REGENSBURG. Drei Tage lang haben Vertreter verschiedener europäischer Automobilcluster in Regensburg gemeinsam an Kooperationsstrategien für saubere und sichere Fahrzeugkonzepte der Zukunft gearbeitet. Gastgeber dieses ersten Arbeitstreffens im Rahmen des europäischen Verbundprojektes SAGE (safe and green road vehicles) war der E-Mobilitätscluster Regensburg.

„Urbane Mobilität von morgen“

Organisiert wurde das Treffen durch die Wirtschaftsförderung der Stadt Regensburg, die auch den E-Mobilitätscluster koordiniert. Unter den mehr als 25 Teilnehmern waren Vertreter des Automobilclusters Paris, Partner aus den Regionen West-Schweden und Piemont mit der Stadt Turin, sowie Vertreter des E-Mobilitätsclusters Warschau. Mit dem Cluster Paris kommen namhafte Automobilhersteller wie Renault, Peugeot und Citroën, aber auch wichtige Mitspieler der französischen Elektromobilitätsinitiative mit ins Boot. Auch Fiat als Clusterleuchtturm der Region Piemont ist direkter Partner im Projektkonsortium.

Eine Region bzw. ein Cluster wird jeweils von Vertretern der Wirtschaft, der Wissenschaft und der Verwaltung repräsentiert. In Regensburg beteiligt



Unser Bild zeigt die Projektpartner mit dem Demo-E-Fahrzeug von Continental.

Foto: Continental Automotive GmbH

gen sich neben der Wirtschaftsförderung der Stadt Regensburg die Hochschule Regensburg, vertreten durch Professor Jürgen Mottok (Laboratory for Safe and Secure Systems), und die Firma Continental. Regensburg agiert mit seiner Kompetenz als ausgewiesener Automobil-Zulieferer-Standort.

Oberbürgermeister Hans Schaidinger hieß die Gäste bei einem Empfang im Alten Rathaus willkommen. Er freue sich, ein so hochkarätiges Konsortium begrüßen zu dürfen. „Die Mobilität – eine der wichtigsten Errungenchaften der Zivilisation und gleichzeitig ein wichtiger Standortfaktor – steht vor tief greifenden Veränderungen. Das Thema Elektromobilität ist dabei ein wichtiger Baustein für die Entwicklung der urbanen Mobilität von morgen“, sagte Schaidinger.

Ziel des SAGE-Vorhabens ist es, Pro-

jektthemen und Kooperationspartner in den einzelnen Regionen für gemeinsame Entwicklungen und Marktaktivitäten zu identifizieren. Das SAGE-Konsortium positioniert sich auch auf internationaler Ebene: In einem ersten Schritt werden Regionen in Asien ausgewählt, die gemäß ihrer Aktivitäten im Zukunftsmarkt Elektromobilität bewertet werden und für Kooperationsvorhaben infrage kommen.

Voll-elektrisches Demofahrzeug

Das E-Mobilitätscluster präsentierte sich den Partnern mit dem NEMO Netzwerk „intelligente Ladetechnik“, den Kompetenzen der AVL Software & Functions in der E-Mobilität, dem E-Rennwagen des regenics der Hochschule Regensburg, sowie des IT-Inkubators Ostbayern. Ein Höhepunkt war der Besuch des Continental-Standortes

NEUES EU-PROJEKT

► **SAGE** steht für Safe and green road vehicles und ist ein neues EU-Projekt, das im Rahmen des siebten EU Rahmenprogramms für Forschung, technologische Entwicklung und Demonstration gefördert wird.

► **Das Projekt** hat eine Laufzeit von drei Jahren und ein Gesamt-Budget von 2,9 Millionen Euro.

► **Die Europäische Kommission** gewährt einen Zuschuss in Höhe von 2,511 Millionen Euro.

► **Ziel** ist es, Projektthemen und Kooperationspartner in den einzelnen Regionen für gemeinsame Entwicklungen und Marktaktivitäten zu identifizieren.

Regensburg: Eine beeindruckende Anzahl von 360 000 Elektronikeinheiten – von Airbag- bis zu Motorsteuerungen – verlässt täglich die hochmoderne Fertigung und begibt sich auf den Weg zu allen Automobilherstellern weltweit. Intelligente Elektromobilität präsentierte Continental mit seinem voll-elektrischen Demofahrzeug: Es ist mit vielen hochtechnologischen Feinheiten ausgerüstet.

„Mit unseren ausgeprägten Kompetenzen im Bereich der Automobil-Zulieferbranche positionieren wir den Wirtschaftsstandort Regensburg auf europäischer Bühne und entwickeln unseren E-Mobilitätscluster weiter“, erklärt Dieter Daminger, Referent für Wirtschaft, Wissenschaft und Finanzen der Stadt Regensburg. Das nächste Arbeitstreffen der Projektpartner ist im Juni 2012 in Turin geplant.



Safe and green road vehicles

D8.4

Awareness Raising Workshop

Paris-Rouen (Mov'eo)



Awareness raising workshops in **MOV'EO (Paris-Rouen Region)**

Date: 4 April 2012

Venue: LAB, Nanterre

Number of participants: 12

Main target groups / nature of audience: Road User Safety Working Group

Main purpose: Presentation of SAGE

Main topics: Benefits of SAGE for European Collaboration on Safety

Description of agenda and speakers:

- Presentation of SAGE by Michel GIGOU and Marc CHARLET
- Exchanges with the participants

Results (in short words please conclude on the results of the workshop):

- Interest to have a mapping of the road safety competences in each SAGE region
- Agreement to give their opinion on the SWOT
- Agreement to participate in WP4 and be involved in the collaboration building process



Safe and green road vehicles

Date: 6 April 2012

Venue: CFI, Paris

Number of participants: 8

Main target groups / nature of audience: Paris Region Working Group

Main purpose: Presentation of SAGE

Main topics: Benefits of SAGE for Paris Region

Description of agenda and speakers:

- Presentation of SAGE by Marc CHARLET
- Exchanges with the participants

Results (in short words please conclude on the results of the workshop):

- Suggestion to underline the benefits of SAGE for the SMEs
- Suggestion to take into account the competences in other European Regions
- Agreement to give their opinion on the different deliverables



Date: 17 April 2012

Venue: Renault Technocentre, Guyancourt

Number of participants: 14

Main target groups / nature of audience: Mechatronics Systems Working Group

Main purpose: Presentation of SAGE

Main topics: Benefits of SAGE for European Collaboration on Mechatronics Systems

Description of agenda and speakers:

- Presentation of SAGE by Michel GIGOU and Marc CHARLET
- Exchanges with the participants

Results (in short words please conclude on the results of the workshop):

- Suggestion to articulate the SAGE project with other European initiatives: ERTRAC, EPOSS, ARTEMIS, ENIAC...
- Importance to propose possible topics and consortium to the Commission
- Agreement to give their opinion on the SWOT
- Agreement to participate in WP4 and be involved in the collaboration building process

Date: 18 April 2012

Venue: Mov'eo Technopole du Madrillet, Rouen

Number of participants: 11

Main target groups / nature of audience: Upper Normandy Region Working Group

Main purpose: Presentation of SAGE

Main topics: Benefits of SAGE for Upper Normandy Region

Description of agenda and speakers:

- Presentation of SAGE by Michel GIGOU
- Exchanges with the participants

Results (in short words please conclude on the results of the workshop):

- Agreement to give their opinion on the different deliverables



Safe and green road vehicles

Date: 18 April 2012

Venue: IFSTTAR, Paris

Number of participants: 10

Main target groups / nature of audience: Demonstration and Low CO2 Vehicles Working Group

Main purpose: Presentation of SAGE

Main topics: Benefits of SAGE for European Collaboration on Demonstration and Low CO2 Vehicles

Description of agenda and speakers:

- Presentation of SAGE by Marc CHARLET
- Exchanges with the participants

Results (in short words please conclude on the results of the workshop):

- Interest to have a common large scale demonstration with other European Regions
- Opportunities to share competences in order to develop new specific vehicles at European level
- Agreement to give their opinion on the SWOT
- Agreement to participate in WP4 and be involved in the collaboration building process



Date: 20 April 2012

Venue: Valeo, Paris

Number of participants: 12

Main target groups / nature of audience: ICE Powertrains Working Group

Main purpose: Presentation of SAGE

Main topics: Benefits of SAGE for European Collaboration on Powertrains

Description of agenda and speakers:

- Presentation of SAGE by Michel GIGOU and Marc CHARLET
- Exchanges with the participants

Results (in short words please conclude on the results of the workshop):

- Opportunity to enhance the collaborations in ICE within Europe
- Necessity to convince the Commission that ICE are still a key R&D topic
- Agreement to give their opinion on the SWOT
- Agreement to participate in WP4 and be involved in the collaboration building process



Safe and green road vehicles

Date: 10 May 2012

Venue: Valeo, Créteil

Number of participants: 13

Main target groups / nature of audience: Energy Storage Systems Working Group

Main purpose: Presentation of SAGE

Main topics: Benefits of SAGE for European Collaboration on Energy Storage Systems

Description of agenda and speakers:

- Presentation of SAGE by Michel GIGOU
- Exchanges with the participants

Results (in short words please conclude on the results of the workshop):

- Agreement to give their opinion on the SWOT
- Agreement to participate in WP4 and be involved in the collaboration building process



Date: 16 May 2012

Venue: CFI, Paris

Number of participants: 10

Main target groups / nature of audience: Vehicle Environmental Footprint Working Group

Main purpose: Presentation of SAGE

Main topics: Benefits of SAGE for European Collaboration on Vehicle Environmental Footprint

Description of agenda and speakers:

- Presentation of SAGE by Michel GIGOU and Marc CHARLET
- Exchanges with the participants

Results (in short words please conclude on the results of the workshop):

- Interest to find partners in Life Cycle Analysis and Lightweight materials
- Agreement to give their opinion on the SWOT
- Agreement to participate in WP4 and be involved in the collaboration building process



Safe and green road vehicles

Date: 16 May 2012

Venue: CFI, Paris

Number of participants: 8

Main target groups / nature of audience: Intelligent Mobility Solutions Working Group

Main purpose: Presentation of SAGE

Main topics: Benefits of SAGE for European Collaboration on Intelligent Mobility Solutions

Description of agenda and speakers:

- Presentation of SAGE by Michel GIGOU and Marc CHARLET
- Exchanges with the participants

Results (in short words please conclude on the results of the workshop):

- Suggestion to take into account standardisation issues at European level
- Interest to find new partners in ITS
- Agreement to give their opinion on the SWOT
- Agreement to participate in WP4 and be involved in the collaboration building process





Safe and green road vehicles

Date: 11 June 2012

Venue: Abbaye aux Dames, Caen

Number of participants: 80

Main target groups / nature of audience: Mov'eo General Assembly

Main purpose: Presentation of SAGE

Main topics: Short presentation of SAGE to Mov'eo members

Description of agenda and speakers:

- Presentation of SAGE by Jean-Dominique WAGRET, VP in charge of International Relations

Results (in short words please conclude on the results of the workshop):

- Information





Safe and green road vehicles

D8.4

Awareness Raising Workshop

Warsaw



Awareness raising workshop in **Warsaw**

Date: 9-10 July 2012

Venue: ISEV2012 (2012 International Symposium on Electric Vehicle)

Number of participants: 187

Main target groups / nature of audience: researchers and experts from universities, research institutes, industries and business companies, local authorities

Main purpose:

- Provide a platform for cooperation among different regions in different level and area: academic, industry and business;
- Influence on the government and get the support from government in the process of development and deployment of EVs in Poland;
- Enhancing public awareness of electric mobility
-

Main topics:

- Electric Vehicle Technology and its key components: Vehicle and Powertrain Design, Vehicle Modeling and Simulation, Control Strategy; Advanced Battery Technology, Battery Modelling, Battery Energy Management System; EV Motor, Motor Controller &Control Strategy, Regenerative Braking;
- EV Demonstration and implementation: EV Charger, EV Charge Station, EV Demonstration, Infrastructure and standardization;
- Trends, incentives, policy support and new business model for EV market.
- Safety on electrical transportation
-

Results (in short words please conclude on the results of the workshop):

- Provided a very good platform for people to cooperate and exchange knowledge in the field of E&HEVs;
- Transferred the necessary message to Polish policy makers;





Safe and green road vehicles

- On Internet there're more and more articles and people every week discussing about electric cars after test drive during ISEV2012
- Thanks to the participation and efforts of SAGE partners, it came out that ISEV2012 became a very good occasion for SAGE project dissemination and a good platform to exchange experience and knowledge of cluster and discuss the cooperation among clusters (not only limited to SAGE partners).

Annexes:

1. First call
2. Agenda
3. ISEV report



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Annual
**International Symposium
on Electric Vehicles**
WUT, July 9th, 2012

**European Clusters on
Green Transportation
Workshop**
WUT, July 10th, 2012

ORGANIZERS

**Warsaw University of Technology
The Department of Multisource
Propulsion Systems**



**Warsaw E-Mobil Cluster
City of Warsaw**



Polish Society of Ecological Vehicles



SYMPORIUM LOCATION

Warsaw University of Technology

TOPICS OF THE SYMPOSIUM

ISEV2012 aims to be an international forum for researchers and experts from universities, research institutes, industry and business companies, as well as local authorities, to present and discuss the development and implementation of Electric Vehicles (including Battery Electric, Hybrid & Plug-in Hybrid Vehicles) technology. Topics include (but are not limited)

- Electric Vehicle Technology and its key components: Vehicle and Powertrain Design, Vehicle Modeling and Simulation, Control Strategy; Advanced Battery Technology, Battery Modeling, Battery Energy Management System; EV Motor, Motor Controller & Control Strategy, Regenerative Braking;
- EV demonstration and implementation: Smart Grid, EV Charger, EV Charge Station, EV demonstration, infrastructure and standardization;
- Trends, incentives, policy support and new business model for EV market;
- Safety of electric transportation.

REGISTRATION AND CALL FOR PAPERS

If you are interested in participating in the symposium, please send submissions via e-mail to the Secretary of the Symposium by 10th May 2012. Abstract of your papers should be received by the Secretary of the Symposium before 10th May 2012. You will receive the official invitation by the end of May. Please note that due to limited capacities at the venue, it is not possible to attend the Symposium without invitation.

IMPORTANT DATES:

- Submission of paper or presentation abstracts by May 10th, 2012
- Submissions of participation by May 10th, 2012
- Final announcement of symposium and participants by May 20th, 2012
- Submission of full papers by June 15th.

Papers selected by the Scientific Committee will be published in the following journals:

- Przegląd Elektrotechniczny
- Archiwum Motoryzacji
- Przegląd Mechaniczny

CONFERENCE FEES

Conference fee – 100 EUR including:

Conference reception, coffee break, lunch

The payment should be transferred by **1st July 2012** to the following account with a note "**ISEV2012**":

**Bank Ochrony Środowiska o/Warszawa
IBAN: 54 1540 1157 2001 6612 1675 0001
BIC/SWIFT: EBOSPLPW**



2012 International Symposium on Electric Vehicles

**“Triple Helix Activity” Research; Energy-Technology;
Policy-Clusters Platform**

09-10 July 2012

Small Hall, Main Building of Warsaw University of Technology,
Pl. Politechniki 1, Warsaw, Poland



Patronage of Deputy Prime Minister, Minister of Economy

Patronage of JM Rector of Warsaw University of Technology

Patronage of President of Polish Academy of Sciences



HONORARY PATRONAGE
OF THE MAYOR OF WARSAW



WARSZAWA E-MOBIL CLUSTER

WARSZAWA UNIVERSITY OF TECHNOLOGY

THE DEPARTMENT OF THE MULTISOURCE PROPULSION SYSTEMS

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web site: www.ptpe.simr.pw.edu.pl

Conference fee – 100 EUR per person including: Coffee breaks, lunches. The payment should be transferred by **1st July 2012** to the following account with a note “**ISEV2012**”: **Bank Ochrony Środowiska O/Warszawa IBAN: PL 54 1540 1157 2001 6612 1675 0001 BIC/SWIFT: EBOSPLPW**

09-07-2012 Day 1:

2012 International Symposium on Electric Vehicles

Triple Helix Activity: Research, Energy-Technology, Policy-Clusters Platform

08:00-09:30 Registration

09:30-10:00 Opening

- Deputy Prime Minister – Minister of Economy Mr. Waldemar Pawlak,
- Dean of Division Four, Polish Academy of Science, Professor Marian Piotr Kaźmierkowski
- Rector of Warsaw University of Technology Professor Włodzimierz Kurnik,
- Professor Antoni Szumanowski

10:00-11:30 Session 1: **Keynote speeches**

Chair persons: Giovanni Belingardi, Marian Piotr Kaźmierkowski

1. **Introduction** ANTONI SZUMANOWSKI *Department of Multisource Propulsion Systems, Warsaw University of Technology, Poland*
2. **"The Demonstration Route of Electric Vehicles in Beijing: from 2 E-buses in 2001 to 2460 Electric Vehicles in 2012"** SUN FENGCHUN *Beijing Institute of Technology, China*
3. **"EV Success Needs a Mobility Integrated Approach"** GIUSEPPE ROVERA *The Italian Automobile Technical Association, Italy*
4. **"The Easy Way to Electromobility"** PIETRO PERLO *President IFEVS* and PIETRO GUERRIERI *President Polimodel, Italy*

11:30-11:45 Coffee break

11:45-13:15 Session 2: **EV State of the art, Hybrid Powertrains**

Chair persons: Pietro Perlo, Władysław Wieczorek

1. **"World/European State of Art in the Field of Battery, Hybrid and Fuel Cell Electric Vehicles. Lessons learned & outlook"** FRÉDÉRIC VERGELS *Electri-city.mobi asbl, Belgium*
2. **"Early Design Methods for an HEV - Optimizing HEV Vehicle Design to Achieve CO₂ Targets"** GIOVANNI BELINGARDI, GIANMARCO BRUNETTI, MAURIZIO CISTERNINO, *Politecnico di Torino, Italy*
3. **"Parallel-Hybrid Diesel Powertrains. A Case Study: the BAS System for Medium-Size Passenger Cars"** EZIO SPESZA, M. VENDITTI, *Politecnico di Torino - Dipartimento Energia, Italy*
4. **"Magna Activities for Alternative Propulsion Systems – Challenges and Opportunities for Small and Medium Sized Vehicles"** MARKUS BICHLER, WOLFGANG KRIEGLER *MAGNA STEYR Fahrzeugtechnik AG & Co KG, Austria*
5. **"Selection Criteria of Electrical Drives Trains in EV"** UWE SCHÄFER, *Technischen Universität Berlin, Germany*

13:15-14:15 Lunch

14:15-15:30 Session 3: **Energy-Batteries-EV Mobility**

Chair persons: Giuseppe Rovera, Lech Grzesiak

1. **"Novel Electrolyte Components Design for Application in Lithium-Ion Batteries"** MAREK MARCINEK², LESZEK NIEDZICKI², MICHEL ARMAND¹, JEAN-MARIE TARASCON¹, WŁADYSŁAW WIECZOREK², ¹ALISTORE-European Research Institute *Fédération de Recherche, France*, ²Warsaw University of Technology, *Poland*

2. "Evaluation on the Electrical Circuit Models of Li-Ion Battery with an Online Impedance Observer by Experiment Approach" HONGWEN HE, RUI XIONG, *Beijing Institute of Technology, China*
3. "High Frequency Wireless Energy for Improving the EV Autonomy" STANIMIR VALTCHEV^{*)}, LUIS ROMBA JORGE^{*)}, AURELIAN CRACIUNESCU^{**)}, KOSTADIN BRANDISKY^{***)}, ^{*)}*UNINOVA and FCT, Universidade Nova de Lisboa, **)University Politehnica of Bucharest, ***)Technical University of Sofia*
4. "A comparative analysis of electric mobility initiatives" ROMAIN BEAUME, *Ecole polytechnique ParisTech, France*
5. "Mitsubishi Electric Vehicles Approach" KOJI FUJITA, *Mitsubishi, Japan*

15:30-15:45 Coffee break

15:45-18:00 Poster session

Chair persons: Andrzej Muszyński, Andrzej Rostkowski

15:45-16:45 Public presentations by poster's authors

16:45-18:00 Coffee and individual discussion at poster area

1. "The Influence of the Method of Controlling of IC Engine-Generator Unit on the Energy Consumption in Series Hybrid Drive" ARKADIUSZ HAJDUGA, PAWEŁ ROSZCZYK, *Warsaw University of Technology, Poland*
2. "The Influence of a Style of Driving on Exhaust Emissions from a Hybrid Vehicle" JERZY MERKISZ, PIOTR LIJEWSKI, PAWEŁ FUĆ, MACIEJ ANDRZEJEWSKI, *Institute of Combustion Engines and Transport, Poznań University of Technology, Poland*
3. "Survey on EV Electrical Drive Train with Induction Motor" STANIMIR VALTCHEV^{*)}, MANUEL MASCARENHAS^{*)}, AURELIAN CRACIUNESCU^{**)}, ADRIAN BALTALEANU^{**)}, ^{*)}*UNINOVA and FCT, Universidade Nova de Lisboa, **)University Politehnica of Bucharest*
4. "The Influence of Ultracapacitors on the Stability of Primary Source's Operation" PIOTR PIÓRKOWSKI, *Warsaw University of Technology, Poland*
5. "Particle Swarm Optimization of Artificial-Neural-Network-based On-line Trained Speed Controller for Battery Electric Vehicle" BARTŁOMIEJ UFNALSKI, LECH M. GRZESIAK, *Warsaw University of Technology, Poland*
6. "Design and Simulation of a Parallel Hybrid Electric Vehicle" YONG CHEN^{*)}, HONGWEN HE^{**)}, SHUNJIE ZHANG^{*)}, *Beijing Information Science & Technology University (*), Beijing Institute of Technology (**), China*
7. "Bi-directional Equalization Using Flyback Converter for an Electric Vehicle Battery System" NAN JIN-RUI, GUO MENG, *School of Mechanical Engineering, Beijing Institute of Technology, China*
8. "Synthetical Ramp Shift Strategy on Electric Vehicle With AMT" WANG ZHIFU, LIU MINGCHUN, GU ZHONGLI, *National Engineering Laboratory for Electric Vehicles, Beijing Institute of Technology, China*
9. "An Identification Method of Driving Patterns based on LVQ Neural Network in Hybrid Vehicles" CHAO SUN, HONGWEN HE, *National Engineering Laboratory for Electric Vehicles, Beijing Institute of Technology, China*
10. "Stability Control for Dual-Motor Independent Drive Electric Vehicle based on Sliding mode control" LIN CHENG, PENG CHUNLEI, *School of Mechanical Engineering, Beijing Institute of Technology, China*
11. "Research on Skid Steering Control Strategy for Four-In-Wheel-Motor Drive Electrical Vehicle" FENG HUI-XIA, ZHAI LI, *National Engineering Laboratory for Electric Vehicle, Beijing Institute of Technology, China*
12. "Control of "Ball Transmission" by Stepper Motor" MICHAŁ SEKRECKI, *Warsaw University of Technology, Poland*
13. "Battery State of Health Monitoring Based on Nonlinear Dynamics Battery Modeling for New Li-ion Traction Battery" ZHIYIN LIU, MICHAŁ SEKRECKI, *Warsaw University of Technology, Poland*

14. "State of Art and Background Design of Range Extender Solution" PAWEŁ KRAWCZYK, *Warsaw University of Technology, Poland*
15. "Design and Test of Clutch/Brake System Control Strategy in Hybrid Powertrain" ZHIYIN LIU, PAWEŁ KRAWCZYK, *Warsaw University of Technology, Poland*
16. "Hybrid Powertrain Simulation of a Wheeled Vehicle in LabVIEW Software" GABRIEL KOST, ANDRZEJ NIERYCHLOK, *Silesian University of Technology, Poland*
17. "BLDC Motor Modelling in LabVIEW Software" GABRIEL KOST, ANDRZEJ NIERYCHLOK, *Silesian University of Technology, Poland*
18. "The Use of Natural Gas in Municipal Transport: Constraints, Potential, Prospects" ŁUKASZ KOWALSKI, BARBARA SMERKOWSKA, *Automotive Industry Institute, Poland*
19. "Challenges and Problems for Electric Vehicle Type Approval" WIESŁAW ZIELIŃSKI, *Automotive Industry Institute, Poland*

10-07-2012 Day 2:

2012 International Symposium on Electric Vehicles

Triple Helix Activity: Research, Energy-Technology, Policy-Clusters Platform

09:30-09:45 Opening

- vice Mayor of Warsaw Mr. Jarosław Kochaniak,
- Professor Antoni Szumanowski,
- Mr. Leszek Drogosz – Director of Infrastructure Department of Warsaw City Hall

09:45-11:15 Session 1: **Clusters presentations**

Chair persons: Yuhua Chang, Leszek Drogosz

1. **SAGE - 7th Framework European Project** PETER ERIKSSON
2. **Region Paris - Mov'eo** MARC CHARLET
3. **Region Piedmont** STEFANIA CROTTA
4. **Region Gothenburg** PETER ERIKSSON
5. **Beijing Cluster - Beijing Olympic E-Buses Team** SUN FENGCHUN
6. **"Berlin BeMobility Project"**, CHRISTIAN SCHERF, *InnoZ / "Buildings and Infrastructure - Creating Smart Cities"* PAUL ROGERS, *Buro Happold*
7. **""E-Mobil" Cluster and City of Warsaw - Actions in Context of Sustainable Transport and E-Mobility"**
MARCIN WRÓBLEWSKI, *Infrastructure Department of Warsaw City Hall*

11:15-11:30 Coffee break

11:30-12:45 Session 2: **Industrial presentations**

Chair persons: Marcin Wróblewski, Piotr Piórkowski

1. **Mitsubishi Motor Company** ARKADIUSZ TOMALA
2. **Tauron Polska Energia** ROBERT WÓJCIK
3. **Ministry of Economy**, ZBIGNIEW KAMIŃSKI, *Department of Innovation and Industry*
4. **"Berlin E-Mobility Activities and Strategies"** THOMAS MEIßNER, *eMO Berlin Agency for Electromobility, Germany*
5. **"Nissan LEAF and Zero-Emission Nissan's Strategy"** *Nissan Polska, Poland*
6. **"Electric Vehicles Market Development in Europe"** ROBERT PRZEDPEŁSKI, *Vice President Iberia Motor Capital Group*

12:45-13:45 Lunch

13:45-15:00 Session 3: **Panel Discussion: Cluster knowledge exchange and cluster cooperation**

(Moderator: Jacques Lacambre, Ezio Spessa, Peter Eriksson, Yuhua Chang, Leszek Drogosz)

15:00-15:15 Coffee break

15:15-15:30 Closing and welcome to Beijing ISEV 2013 (Antoni Szumanowski, Sun Fengchun)

ISEV 2012 Report

Warsaw University of Technology

SAGE meeting in Gothenburg

2012.09.19



2012 International Symposium on Electric Vehicles

**“Triple Helix Activity” Research; Energy-Technology;
Policy-Clusters Platform**

09-10 July 2012

Small Hall, Main Building of Warsaw University of Technology,
Pl. Politechniki 1, Warsaw, Poland



Patronage of Deputy Prime Minister, Minister of Economy

Patronage of JM Rector of Warsaw University of Technology

Patronage of President of Polish Academy of Sciences



HONORARY PATRONAGE
OF THE MAYOR OF WARSAW



WARSAW E-MOBIL CLUSTER

WARSAW UNIVERSITY OF TECHNOLOGY

THE DEPARTMENT OF THE MULTISOURCE PROPULSION SYSTEMS

Statistics of ISEV 2012

Participants:

- There were 187 persons registered in the conference reception desk. 120 printed copies of SAGE newsletters were handed out;
- 40 representatives were from academic area;
- 25 representatives were from Polish ministries and Warsaw city hall;
- 30 foreign representatives from China, Italy, Germany, Japan, Austria, France, Sweden, Belgium, Portugal etc.

Statistics of ISEV 2012

Presentations:

- There were 6 general presentations about E-mobility experience and solutions, 27 presentations and papers from academic area, 7 speeches from industry and companies, all presentations are with high quality;
- Peter gave the presentation of SAGE project;
- There were 6 regional cluster presentations from Mov'eo, Gothenburg, Piedmont (Massimo Giordano, Regional Minister of Research, Innovation and Economic Development), Berlin, Beijing and Warsaw

General goals and the result of ISEV 2012

The general goals of ISEV 2012

- Provide a platform for cooperation among different regions in different level and area: academic, industry and business;
- Influence on the government and get the support from government in the process of development and deployment of EVs in Poland;
- Enhancing public awareness of electric mobility (Mitsubishi i-MiEV and BYD e6)

Pictures from ISEV2012



Pictures from ISEV2012



Pictures from ISEV2012



Polish vice Premier giving speech

Pictures from ISEV2012



Pictures from ISEV2012



Pictures from ISEV2012



Pictures from ISEV2012



Pictures from ISEV2012



Panel discussion_Peter chairing the Panel discussion

Pictures from ISEV2012



Panel discussion about collaboration among Clusters

Pictures from ISEV2012



Pictures from ISEV2012



ISEV2012 holding place_WUT main building on the second floor

Welcome to
ISEV 2013 will be held in Beijing most
probably in September 2013



Safe and green road vehicles

D8.4

Awareness Raising Workshop

Västra Götaland



Awareness raising workshop in **Västra Götaland**

Date: 6 September 2012

Venue: Lindholmen Science Park, Gothenburg

Number of participants: 36

Main target groups / nature of audience: Research centres, development agencies, institutes, academia, cluster initiatives, public authorities, OEM's, SME's.

Main purpose: To introduce SAGE to the broader cluster, present and get feedback on WP2 regional report and WP7 international mapping and invite stakeholders to participate in a discussion on future strategies for safe and green road vehicles in West Sweden.

Main topics:

- Introduction SAGE
- Presentation WP2 regional report
- Presentation WP7 international mapping
- On-going strategy work on regional and national level
- Feedback and discussion

Description of agenda and speakers:

- Introduction SAGE (Hanna Blomdahl, SAGE coordinator)
- Presentation WP2 regional report (Hans Fogelberg, Region Västra Götaland)
- Presentation WP7 international mapping (Ann-Sofi Karlsson, AB Volvo)
- On-going strategy work on regional and national level (Anna Dubois, Chalmers University of Technology; Lars-Göran Rosengren, AB Volvo; Ove Pettersson, Vinnova National Agency for Innovation)
- Feedback, questions and discussion (all)

Results (in short words please conclude on the results of the workshop):

SAGE was presented to a broader set of stakeholders which has significantly raised the awareness of the project. Many stakeholders in the audience represented networking organisations (platforms, cluster initiatives, science parks, development





Safe and green road vehicles

agencies) which will result in even more awareness as the word spreads. It was also a good result that so many people and organisations showed interest in the topic. A majority of the people that were invited signed up for the workshop and the major stakeholders were represented.

The two SAGE reports that were presented received a lot of positive feedback.

It was appreciated to have input from the national agency for innovation (Vinnova) and that they took an active part in the workshop. Their representative welcomed the initiative with the workshop and showed great interest in SAGE.

When concluding the discussion it is evident that there are many views on the topic of cluster organisation and management. While some think stronger coordination is needed, others believe stronger coordination risk to kill bottom-up initiatives. However it is clear that the topic interests many stakeholders and that further discussions are welcomed.

Annexes:

1. Invitation
2. Agenda
3. Participant list



Framtida strategier för säkra och gröna fordon i Västsverige

Tid: 6 september 9.00-12.00 (kaffe och smörgås från 8.30)

Plats: Demostudion, våning 2, Lindholmen Science Park

Anmälan: hanna.blomdahl@vgregion.se senast den 27 augusti

Välkomna till ett seminarium om framtida strategier för det västsvenska kompetensklustret kring transporter, med särskilt fokus på säkra och gröna fordon.

Seminariet tar sin utgångspunkt i SAGE, ett europeiskt projekt som leds av ett västsvenskt konsortium bestående av Västra Götalandsregionen, Chalmers och AB Volvo. SAGE har kartlagt det västsvenska kompetensklustret med fokus på gemensamt utvecklingsarbete och klusterinitiativ. Med utgångspunkt i denna studie bjuder vi nu in intresserade aktörer att diskutera framtida strategier på regional, nationell och internationell nivå.

Program:

- Projektet Safe and Green Road Vehicles in Europe
- Pågående strategiarbeten kring hållbara transporter i Västsverige (VGR, Chalmers)
- Presentation av SAGE-studie om kompetensklustret och diskussion kring dess slutsatser
- Internationell utblick: Kartläggning av asiatiska starka fordonskluster och diskussion kring internationella samarbetsmöjligheter (AB Volvo)
- Diskussion kring framtida prioriteringar, strategier och gemensam handling

Välkomna önskar styrgruppen för SAGE:

Helena L Nilsson, Västra Götalandsregionen

Lars-Göran Rosengren, AB Volvo

Magnus Blinge, Anna Nilsson-Ehle, Chalmers Tekniska Högskola

Framtida strategier för säkra och gröna fordon i Västsverige

6 september 2012, Lindholmen Science Park

Program

Välkomna Helena L Nilsson, Västra Götalandsregionen

Projektet Safe and Green Road Vehicles in Hanna Blomdahl, Västra Götalandsregionen
Europe

Presentation av studie: Green and safe Hans Fogelberg, Västra Götalandsregionen
road vehicle technology clusters in Western
Sweden

Diskussion och pågående strategiarbeten Anna Dubois, Chalmers
Lars-Göran Rosengren, AB Volvo
Ove Pettersson, Vinnova

Samtliga

Kaffe och frukt

Presentation av studie: Benchmark of Ann-Sofi Karlsson, AB Volvo
international cluster best practice

Diskussion Samtliga

Deltagarlista seminarium 6 september

Robert Aronsson	ETC Battery and FuelCells Sweden AB	aron@etcab.se
Michael Balthasar	AB Volvo	michael.balthasar@volvo.com
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Helena L Nilsson
Kent-Eric Lång
Leif Magnusson
Else-Marie Malmek
Malin Norén
Hans Nyman
Ove Pettersson
Henrik Rosén
Lars-Göran Rosengren
Fredrik Sidahl
Maria Strömberg
Niklas Wahlberg
Stephen Wallman
Peter Zienau
Lukas Åvall
Peter Öhman
Tomas Österlund

Innovatum
Regionutvecklingssekretariatet, VGR
Viktoriainstitutet
Kollektivtrafikssekretariatet, VGR
Malmeken AB / SAFER
Automotive Sweden
Automotive Sweden
Vinnova
CIP Professional Services AB
AB Volvo
Fordonskomponentgruppen
Business Region Göteborg
Lindholmen Science Park
Fordonskomponentgruppen
Innovatum
WBL AB
TSS, Lindholmen Science Park
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