



European Union
European Regional Development Fund



PROSeSC

Producer Services for European
Sustainability & Competitiveness



Shaping the Mobility of the Future

PROSeSC (Producer Services for European Sustainability and Competitiveness) project reaches its final year helping to shape the mobility of the future, showcasing initiatives for a sustainable & competitive transport supported by producer services.

In its path PROSeSC visited Timisoara (Romania) where clusters and their roll for sector development were discussed in a changing environment; Norfolk (England) where recent technological trends and business opportunities were analyzed; Brussels, where PROSeSC

organized a workshop focused on the roll of Knowledge Intensive Services (KIS) in accelerating the absorption rate of innovation technologies by transport sector and a Mid Term Conference in Slovenia focused on “Green Power Trains for the Future” and the most recent one in Hungary, with an overview of different e-vehicle solutions and applications. During 2012 there will follow Turin (Italy), Galicia (Spain) and Stuttgart (Germany).

At this stage, after more than a year of PROSeSC contributions

around sustainable transport systems, the balance of the reflections reinforces its partners’ certainties and also uncertainties regarding the future of sustainable surface transport, with the emphasis falling mainly on electro mobility solutions.

Upcoming Events within PROSeSC Project

Turin Study Visit: Province of Turin are organizing the next Study Visit from 28th to 30th March showcasing the transformation of Mirafiori area and info-mobility initiatives regarding TIC appliances for the design of urban mobility systems.

Among the certainties, the most outstanding are the positive energy and environmental aspects of electro mobility solutions, mainly through the positive synergies on efficiency between energy and transport sectors.

Among the uncertainties, battery storage capacity stands out the most. At present it limits the driver's autonomy, but the technology is still evolving. At the same time, the supply of electric vehicles is still at its initial production stages.

These uncertainties regarding technological evolution will determine future needs and public support schemes.

The PROSeSC Project with its focus on the Knowledge Intensive Services provided by developers of these innovative technologies helps its members and other public entities in Europe to define their strategies to boost and stimulate innovative and sustainable solutions for the surface transport, namely in the development of electric vehicle solutions and applications as a promising alternative to fossil fuel engines.

Sustainable Urban and Extra Urban Road Transport: Hungary

PROSeSC (Producer Services for European Sustainability and Competitiveness) project successfully organised a Conference, Exhibition and Study Visit on the 24th-26th October 2011.

The Conference was located in Győr, one of the main regional centres of Hungary, where Audi AG subsidiary company Audi Hungaria Motor Kft. has a big factory. The Conference focused on "Sustainable Urban and Extra Urban Road Transport" and presentations added knowledge regarding technological and organizational innovations in this area.



More than 50 participants, among them Hungarian and PROSeSC Project representatives, as well as European stakeholders, attended the Conference.

To open the Conference, Mr. Dániel Magyar, General Manager of Pannon Novum, gave the Welcome speech, and Mr. Tamás Péter Szilasi, Strategic director Széchenyi University of Győr, pointed to the co-operation between University and industry potential in this region of Hungary.

The Conference also included a presentation of the PROSeSC project's progress so far by Dr. Reha Tözün, Project Coordinator (Stuttgart Region Economic Development Corporation). He gave an update on co-operation between regions regarding automotive services and e-mobility, and showed potential for further co-operations.

The agenda included very enriching inputs from Hungarian stakeholders and policy-makers, such as Mr. Zoltan Kabács (MESHINING Engineering), Dr. Tamás Slezák (Antro Group), Ákos Kriston (Fuel Cell Hungary –ELTE-), Dr. Sándor Kulcsár (Accusealed Ltd.), Mr. Gábor Hollandi (E.on Hungária), Dr. Zoltán Varga and Dr. Dávid Czeglédi (Széchenyi University Győr), among others.



Several innovation developments in the field of eVehicles and new mobility solutions were presented, as the use of light weight structures and new composites for lighter vehicles by MESHINING Engineering, and new generation electric and hybrid vehicles by Antro Group.

Other innovations came from new hydrogen storage technologies and developments in this field as the product of cooperative projects between Hungarian companies and the Budapest Technical University.

Another highlight of the conference provided new developments regarding infrastructure for e-Mobility and electric vehicles from E-on Hungária and Széchenyi University Győr.

The representatives of the PROSESC Project from East of England and Stuttgart presented new activities on e-infrastructure and e-mobility, focusing on the development of charging station networks and different charging solutions.

During the parallel exhibition new designs and models were shown like the E-bone organic bus, the FecskE electric moped, Solo hybrid car, Moveo foldable electric moped or The Saddle by Attila Tari.



PROSESC Consortium News

At the end of December 2011 Dr. Reha Tözün resigned from his current position and ceases as Project Coordinator of PROSESC Project. On behalf of all members of PROSESC consortium we would like to wish him all the best in his new challenges and thank him for his professional performance and kindness. We would also like to welcome on board Mr. Christoph Gelzer as new Project Coordinator.

Editorial

The automotive industry is facing radical changes. New engine types, new materials playing key role in tomorrow's cars. R&D and innovation capability is much more important than ever before. Hungarian people that have played key roles in automotive industry in the past include:

- József Galamb was chief designer Ford T-modell.
- Pál Járny first engineer of aerodynamic for cars.
- Béla Barényi "pope of safety" Mercedes
- Ferenc Anisits, chief designer BMW diesel engine.



But not only in the past, are today many engineers, designers, stylists and innovators working on tomorrow's vehicles. The West-Transdanubian Region is an ideal location for the automotive industry and R&D.

The local University, Széchenyi University educates people for industrial needs and since 2006 has hosted the Competition of alternatively driven vehicles. Workings with company's students build innovative solutions for eMobility.

Other players like Pannon Novum not only support the Széchenyi Race, but also propagates eMobility in the region, helps to spread out eMobility infrastructure and innovation. Pannon Novum supports regional innovation meetings, fairs and brings people together for creating new ideas and products.

SMEs are designing and building prototypes of the future's eVehicles. The region is ready to set trends of new mobility and not just follow that. And to prove this:

- ANTRO designed prototype SOLO has been voted to 50 Best Inventions of 2010 by TIME Magazine and won Hungarian Design Award 2011.
- MOVEO the electric foldable scooter was officially presented in Hannover Fair 2011.
- The functioning prototype of the electric city vehicle MICRON designed by MESHINING Engineering was officially presented in Geneva Motor Show 2011.
- From the beginning innovative companies from our region have been presenting themselves on eCarTec in Munich.

PROSeSO and other funding projects (ELMOs, REZIPE, etc.) help to present the knowledge in the West-transdanubian Region in the field of eMobility, learn from other well developed regions, and support the creating of new partnerships.

To get Europe to world class level let us write a slogan:
"Build the future today, innovate wise, act now."

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