

NEWSLETTER



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Transnational Strategy for the planning of the electric charging stations!

Despite very relevant technical developments in the e-mobility sector, its wider diffusion is still running quite slow due to several important hurdles, of which two well-known: (1) high purchase price of the electric vehicles, an obvious obstacle for many potential buyers, and (2) limited range as it actually restrains the vehicles' functionality. Once the price limit is overcome, the perception of a limited range remains, and easily turns the driving experience into a negative one, known as "range anxiety".

An active work with the key actors like local, regional and national Public Authorities on deployment of the effective charging infrastructure, would greatly contribute to overcome this second limit. e-MOTICON project focuses exactly on this aspect, with identifications of policies, tools and solutions able to create a favourable environment for the widespread distribution of electric charging infrastructure in the space that goes from metropolis to isolated rural and mountain areas, such as Alpine Space.

e-MOTICON partners are currently working on the transnational strategy for the electric charging spots planning, which based on the best practices of the interoperability, will be used in planning of electric charging stations with public access, and will contribute to the increase in options for the low carbon mobility in the Alpine Space.

At this stage, project partners identified six main aspects, crucial for the infrastructure development that have to be tackled by every Public Administration, and called them "Strategic Pillars" due to their fundamental role in the on-going transnational discussion, which will continue in the upcoming months.

Even though the Transnational Strategy is still a work in progress, and will be delivered to the public in a couple of months, the Strategic Pillars are previewed to our stakeholders in this Newsletter:

- SP#1 DEFINE THE BEST POSSIBLE ROLES OF THE PUBLIC AUTHORITIES: identify the actions that all Public Administrations of the Alpine Space should put into practice to create a homogeneous environment, favourable to the diffusion of electric mobility. These actions, mainly related to the coordination, have to be defined for both the Regions and the Municipalities;
- SP#2 SET SUPRA-REGIONAL COMMON MINIMUM RULES ON INFRASTRUCTURE: establish common minimum technical standards for the Alpine Space, in order to have the public authorities leading the development of a highly usable transnational network;
- SP#3 COMPLETE THE MINIMUM INFRASTRUCTURE: carry out a census to identify the exact number and density of the charging stations in the territories. Crosscheck the data on the infrastructures with the ones on the mobility and on the structure of the regional road network. Identify and locate the minimum infrastructure to ensure the driveability throughout the entire territory, with specific attention in ensuring border areas' continuity;
- SP#4 ADOPT AN INTEGRATED, SUPRA-REGIONAL MAPPING TOOL: underline the importance of having reliable and easily available information on the location and on the technical characteristics of the charging points. Support the creation of official national registers;
- SP#5 EMPOWER COMMUNICATION AMONG PUBLIC AUTHORITIES: share knowledge, information and best practices on electric mobility between Regions and Municipalities. Jointly identify the technical requirements for the infrastructure;
- SP#6 GUARANTEE SYNERGY AMONG PRIVATE AND PUBLIC TRANSPORT: identify and exploit the best possible synergies between e-mobility and public transport, with particular attention to the main hubs (i.e. railways and airports). Encourage public transport companies and e-mobility providers to integrate their services.

Important contributions providing data, tools and information will come from the on-going Pilot Actions, each one directly linked to one or more pillars, in order to deliver a complete, effective and replicable Transnational Strategy.

e-MOTICON project has been invited by the EUSALP Action Group 4 (EU Strategy for the Alpine Region) working on the promotion of the inter-modality and interoperability in passenger and freight transport, to present the Transnational Strategy at next AG4 meeting on 19 June 2018 in Trento.

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News directly from our Partners in Italy, Austria, France and Germany.

Let us start from France, with Pôle Véhicule du Futur, which as an automotive and mobility cluster, develops innovative projects on all kinds of mobility solutions.

In the field of electric mobility, it helps its members, large companies, start-ups and research labs alike, to create new products and services for a seamless user experience, while in urban and rural areas, it works with local public authorities to set up innovative mobility projects.

Considering many obstacles that electric mobility faces, call for further actions rather than technology development only, is needed! That is the reason why Pôle Véhicule du Futur has invested in collective actions: already a member of Bourgogne-Franche-Comté Mobilité Electrique, the cluster is actively taking part in the creation of Grand Est Mobilité Electrique, to help further foster regional integration of stakeholders.

Within the frame of e-MOTICON, Pôle Véhicule du Futur has coordinated the activities on the state of the art related to the policies, technological and business model aspects in e-mobility sector in Alpine Space, and currently has been working with local stakeholders such as Freshmile and Syndicat d'Energies du Doubs, to further improve E-CS interoperability in the e-Trail. E-Trail is a project's pilot, which uses real-world data and user feedbacks, and develops specific training material designed for public authorities.

Contact person: Bruno GRANDJEAN, Programs Manager, bq@vehiculedefutur.com

From France to Austria with Alpine Pearls!

The umbrella brand Alpine Pearls coordinates pilot regions in the Alps focusing on soft mobility. Alpine Pearls has 25 member destinations in Austria, Germany, Slovenia, Switzerland, Italy and France that offer holidays with environmentally friendly mobility. As part of the e-MOTICON, Alpine Pearls brings in know-how and focuses on exchanging knowledge on innovations. The main emphasis is on e-mobility and borderless driving pleasure with e-vehicles in the Alpine region.

An interoperable charging infrastructure and the increased usability of e-mobility as a consequence, are a very important outcome of the project for Alpine Pearls. Networking is another important point for Alpine Pearls, with strong connections and an e-mobility community in Alpine Space. E-mobility plays a different role depending on the Alpine Pearls destination: all members offer their guests some kind of electric mobility, like e-bikes, pedelecs or segways to rent, but not all of them work with e-cars or electric buses yet.

Contact persons: Karmen Mentil, Management Alpine Pearls, karmen@alpine-pearls.com, and Margarethe Staudner, e-Moticon project management for Alpine Pearls, emoticon@alpine-pearls.com, www.alpine-pearls.com

Little bit north, to Germany with Bayern Innovativ

And with the e-mobility as one of the most important future fields of activity in the Free State of Bavaria.

E-mobility is closely linked up with topics such as renewable energies, digitalisation and groundbreaking changes in mobility behaviour. A possible scenario for tomorrow is autonomous, electric, cross-linked and more and more shared mobility. Decisive is the demand-oriented, supra regional and interoperable installation of charging infrastructures.

With an eye wide open to future scenarios, Bayern Innovativ GmbH has been participating in several European projects that deal with charging infrastructure. It has also been working on different industry projects e.g. in the field of super-fast charging for electric cars with OEMs, on research orientated projects e.g. in the field of sector coupling with energy provider, and on more implementation orientated projects for the run up of electric and new mobility, with local authorities, start-ups and wide stakeholders network.

Bayern Innovative is also responsible for the management of the Bavarian funding program for charging infrastructure, and it has been hosting a competence centre for e-Mobility, which is one of the key players for e-mobility, new mobility concepts and sector coupling, regarding energy topics and linked digitisation challenges & innovations in Bavaria and around Germany. Cluster Automotive, which intensifies the collaboration between companies and research institutes, has among other important topics, the e-mobility and it is based at Bayern Innovativ's.

Contact person: Dr. Borris Haupt, Project Manager Technology, haupt@bayern-innovativ.de

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Let's end with Piemonte Region, Italy!

The Regional Council of Piemonte has recently approved the new strategic Transport and Mobility Plan, assuming specific targets in order to reduce up to 50% the fossil fuel consumption in urban areas within 2030, and to completely ban them within 2050. Meanwhile, the Regional Air Quality Plan and the Regional Energy Plan are in the process of being approved. All these Plans set targets in air-pollution reduction, greenhouse-gas emission reduction and energy-efficiency goals for passengers and cargo traffic.

As stated in the documents, Regione Piemonte believes that e-mobility is one of the main tools to reach them. A specific internal "Smart Mobility" working group has been established in order to coordinate the action on the topic among the various Regional Department involved. Anticipating the approval of sectorial operational programs that will implement specific measures in order to reach the goals of planning documents, Regione Piemonte has already started some initiatives and measures on e-mobility:

- In 2013 started an R&D project to test two prototypes of recharging stations connected with smart-grid;
- in 2014 with a public tender selected a project for the realization of the electric charging stations for Public Transport Companies, funded by National E-CS Plan (PNIRE - first phase);
- In 2016 developed the regional criteria for the first phase of realization of public/private electric recharging infrastructure network, implementing National E-CS Plan (PNIRE - second phase). In particular it started to study the possibility to integrate EVs recharging payments with its regional Public Transport Payment Card called "BIP";
- In 2017 thanks to the funding of the Ministry of Environment, acquired with a public procurement 23 full-electric, 12 metres long, urban buses. Twenty of them are currently on duty in Turin, three will soon start to run in Novara. A procurement for the purchase of further 6,5 and 9 meters long full-electric buses is ongoing;
- Thanks to PREPAIR project, funded by EU LIFE Programme and covering entire Padan basin, Regione Piemonte will test on field full-electric revamping of old diesel buses, together with dissemination actions promoting e-mobility;
- Participates in the European Project ELECTRIC MOBILITY EUROPE, ERA-NET, supporting companies' R&D activities in the field of E-mobility.

For Regione Piemonte, e-MOTICON is an important opportunity to improve its planning and programming tools in the field of e-mobility. Thanks to this project, Regione has started to engage the local authorities through its website and numerous local meetings and workshops.

Contact person: Gian Luigi Berrone, Project Manager, gianluigi.berrone@regione.piemonte.it



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EVENTS

SAVE THE DATE:

The future of e-Mobility in the Alpine Space

Date: 19.10.2018, 8:30 – 13:30

Venue: Amber Hotel, Am Münster 3, 83435 Bad Reichenhall, Germany

The public event will be organized by Economic Development Agency Berchtesgadener Land with support of all e-MOTICON partners, and will be open to representatives of public authorities, international organisations, research institutions, European projects on e-mobility and e-mobility industry. Participants will discuss on topics such as:

- What will mobility look like in 10 years from now?
- What do the big players do?
- What projects are currently running on e-mobility?
- How can cooperation look like?

The conference work will be eased by several working tables, with English as main conference language, and the table on the exchange of the regional e-mobility concepts which will be held in German language.

Stakeholders from all Alpine Space countries are welcomed.

For further information and registration: Project Manager Daniela Zocher, D.Zocher@berchtesgadener-land.de



Bad Reichenhall

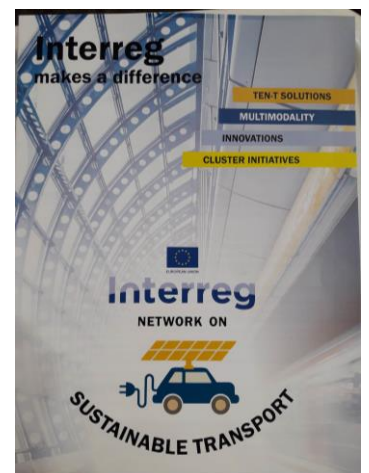
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e-MOTICON@ TEN-T days in Slovenia

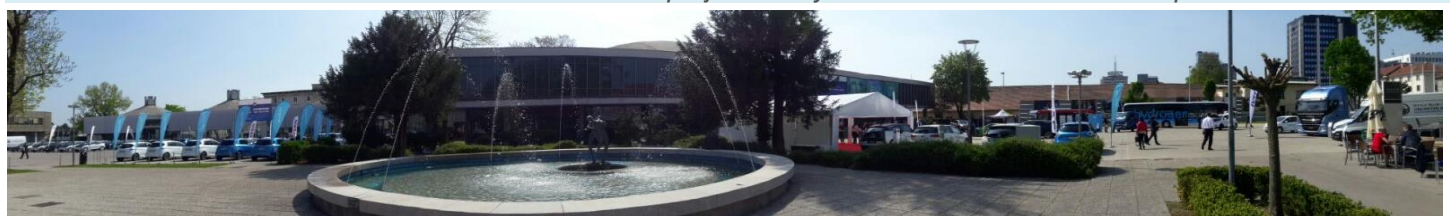
Partnership's delegation participated to the public event organized by the European Commission, Directorate-General for Mobility and Transport, on 25-27 April in Ljubljana, Slovenia. Cristina Cavicchioli presented e-MOTICON's results @ international event, attended by more than 2,300 transport experts and decision-makers, including 4 members of the European Commission and 26 Ministers. Cristina, as Lead Partner's Project Manager considers the event of great importance for the dissemination of e-MOTICON: "The 2018 Tent-T days meeting was indeed the most electric one! E-mobility became really a shared solution for mobility in Ten-T routes! Organized as a fear for mobility with a strong transnational approach: long distance transport, its link to the smart cities nodes, inter-modality, safety, ICT role, safe communication (protocols, block chain data, and much more), and its approach was of a wide European mood. We are all happy e-MOTICON was selected by INTERREG as a flagship project to be presented at Alpine Space stand, and to be listed in the leaflets: INTERREG for sustainable transport!"



The Ten-T days had several round tables with focus on main issues and bottlenecks for future mobility in the Ten-T corridors, and parallel sessions focused on specific items, such as analysis on single corridor, links with local administrators' needs, alternative fuels in terms of policy, aviation, maritime transport. Beside the space at Alpine Space stand, e-MOTICON had also the opportunity to be presented at the first pitch session. Cristina: "It was indeed a great opportunity to gain contact with investors and different stakeholder to be involved in the project! Many contacts followed this short speech."



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e-MOTICON events across Project Partners' regions: what have our partners been up to?

Project Partner	Date	Location	Event
RSE	31.05.2018	Mantova	Conosciamo la mobilità elettrica in Regione Lombardia: UTR Mantova
	17.05.2018	Sondrio	Conosciamo la mobilità elettrica in Regione Lombardia: UTR Sondrio
Province of Brescia	08.05.2018	Brescia	Conosciamo la mobilità elettrica in Regione Lombardia: UTR Brescia
Lombardy Region	15.02.2018	Bergamo	Conosciamo la mobilità elettrica in Regione Lombardia: UTR Bergamo
	01.03.2018	Cremona	Conosciamo la mobilità elettrica in Regione Lombardia: UTR Cremona
	16.03.2018	Varese	Conosciamo la mobilità elettrica in Regione Lombardia: UTR Varese
	19.04.2018	Pavia	Conosciamo la mobilità elettrica in Regione Lombardia: UTR Pavia
	12.04.2018	Lecco	Conosciamo la mobilità elettrica in Regione Lombardia: UTR Lecco
	27.03.2018	Lodi	Conosciamo la mobilità elettrica in Regione Lombardia: UTR Lodi
Soča Valley Development Centre	25.01.2018	Tolmin	Public event with conference "E-mobility and charging infrastructure planning: the role of Public Authorities and strategic visions for tomorrow"
	31.05.2018	Tolmin	Local event "Choose your source of energy!"
	08.06.2018	Most na Soči	Business conference "e-mobility and sustainable city transport in relation to tourism"
Berchtesgadener Land Wirtschaftsservice GmbH	28.06.2018	Anger	Elektromobilität in der Praxis: Nutzen, Preise und Technik
	17.05.2018	Freilassing	"e-Mobilitätscoaching" with Hochschule Kempten and B.A.U.M
University of Applied Sciences Kempten	27.11.2017		„Alltagstaugliche Elektromobilität in Kommunen“ in Mindelheim/Germany; presentation
	28.11.2017		"Zukunftsforum Energiewende, den Wandel aktiv gestalten" in Kassel/Germany; presentation
	08.03.2018		presentation on e-MOTICON and exchange with local PAs at the "Klimaschutzkonferenz im Rahmen des Masterplans 100% Klimaschutz im Landkreis Oberallgäu" (conference on climate protection) in Immenstadt/Germany
	15.06.2018	Ainring/Freilassing	"e-Mobilitätscoaching" (follow up) with Berchtesgadener Land Wirtschaftsservice GmbH and B.A.U.M
Alpine Pearls	17.05.2018	Graz	Presentation of the e-MOTICON project at the platform "Sustainable Mobility in Tourism" within the module "data provision and data integration into online information platforms"

Privacy update - General protection Regulation (GDPR)

We are updating our mailing list in accordance with the new data protection regulations which come into force on 25 May 2018 in compliance with the e-MOTICON website legal notice (<http://www.alpine-space.eu/projects/e-moticon/en/legal-notice/legal-notice>). Please note that we have never given our list to anyone, marketing operator or other, and that the data in our possession may contain only name, organization, e-mail address and sometimes also phone number, used only to address updates to you regarding information and news and / or events and invitations. If you want to stay in touch with us and be updated on various initiatives, you do not need to do anything, but if you do not want to receive our information, you can send an e-mail reply simply indicating " NO thanks " in the subject, and your e-mail address will be deleted from our mailing list. We thank you for your understanding and cooperation and we cordially greet you.

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