

**ALP**STORE



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## Energy Storage for the Alpine Space

### ALPSTORE – “ENERGY STORAGE FOR THE ALPINE SPACE” PROJECT 2<sup>nd</sup> technical Symposium: Storing energy in Hydrogen

*The Technical University of Belfort-Montbéliard will host the 2<sup>nd</sup> Technical Symposium on the 27<sup>th</sup> March 2014 to present the opportunity of the project to the local stakeholders. The event will be open to the public.*

**Belfort (FR)- 27/03/2014** - The energy turnaround will not work without proper storage technologies. The AlpStore project will lead to assessments, what kinds of storage means are reasonable to be used to different extents in different regions – from the technological as well as the economical perspective. A special focus is set on the challenges connected to the use of Hydrogen as an alternative tool for storage. These are the topics that will be discussed during the second AlpStore Technical Symposium that the Technical University of Belfort-Montbéliard (UTBM) organizes on the 27<sup>th</sup> of March at its faculty of engineering, 13 Rue Thierry Mieg, Belfort, addressing mainly to the departmental council of Territoire de Belfort, Energy Valley of Franche Comté and local stakeholders in energy and transport market, namely GE and Alstom Transport.

AlpStore is a European Territorial Cooperation Project, supported by the Alpine Space Programme 2007-2013, bringing together power suppliers, development agencies, research institutes and public administrations from seven different countries – Austria, France, Germany, Italy, Lichtenstein, Slovenia and Switzerland - to address the central issue of renewable energy supply: started in July 2012 with a budget of 3.000.000 Euros, it will end in December 2014.

The AlpStore partners from seven countries develop a transnational concept, the STORM-concept, that will guide to long-term masterplans for their regions: STORM stands for “smart storage and mobility” and describes a model to develop and decide upon holistic solutions to increase regional RES supply and outbalance volatility

<http://www.alpstore.info>

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with appropriate buffering means. Then local masterplans will be developed in every region with short-term pilot implementations, that will be planned and implemented as far as possible. The local projects range from the use of storage technologies in private houses to second-life use of e-car batteries at charging stations for e-bikes, optimized operation of biogas plants or the testing of compressed air storage facilities. Requirements of scattered habitats (such as small villages Jezersko, SI) will be emphasized as well as combined business and living habitats in metropolitan areas (e. g. Euroimpresa in Legnano Italy, an area close to Milan). With intelligent storages, both can become self-contained energetic cells on the grid. New power systems integrating mobility and energy supply enable the establishment of entrepreneurial collectives managing such local generation, storage and consumption cells.

The project partnership is composed by 19 partners out of the seven Alpine Space countries, three of which are from Slovenia, developing a pilot to install and monitor REDOX flow batteries to balance PV. Other partners embody a multiplicity of competences and experiences, including relevant stakeholders from different levels and sectors, with vast experience in the fields of future mobility patterns, sustainable energy supply and grid operation: B.A.U.M., Consult GmbH (DE) is the AlpStore Lead Partner who manages the project, is responsible for the dissemination of its results and achievements and a pilot action in Bavaria, A.L.O.T. s.c.ar.l. Agency of East Lombardy for Transport and Logistics (IT) deals with the project's Information and Publicity activities and the Evaluation one on the project development. University of Liechtenstein, Chair for Sustainable Spatial Development is responsible for the investigation of the transnational status quo that will lead to a grounded planning developed by the French Novae Alsace/Freshmile, that will also develop a pilot action in its area. Another Italian, Euroimpresa Legnano s.c.r.l., is finally responsible for the implementation of the pilot actions in all the partnership area, developing a pilot itself along with the following partners, each for their communities: AGIRE Local Energy Agency of the Province of Mantova (IT), Autonomous Region of Valle d'Aosta, Regional ministry for productive activities- Energy planning and Energy efficiency bureau (IT), Vorarlberger Elektroautomobil Planungs- und Beratungs GmbH (AT), European Centre for Renewable Energy (AT), University of Technology of Belfort-Montbéliard (FR), P+M Rothmoser GmbH&Co. KG (DE), Public Power Utility Allgäu Ltd. (DE), Energy and environmental centre allgaeu (DE), Research Centre for Energy Economics (DE), Kraftwerke Oberhasli AG / Battery Consult GmbH (CH).

For info and registration to AlpStore second Technical Symposium please click [here](#) or e-mail [Fayez-Shakil.Ahmed@utbm.fr](mailto:Fayez-Shakil.Ahmed@utbm.fr).

The next appointment with the third AlpStore Technical Symposium will be at the Festspielhaus in Bregenz (AT) in the 3 June 2014.

## **Note for the editor:**

*AlpStore is supported by the Alpine Space Programme 2007-2013, which is part of the "European Territorial Cooperation" (Objective 3 of the Regional Policy 2007-2013). Together with 13 other programmes it strives for transnational cooperation in and between the European Regions. The programme's overall aim is to increase the competitiveness and the attractiveness of the cooperation area in a sustainable way. Thus it supports transnational projects in the Alpine area fostering territorial development and cohesion. These projects involve key actors of the cooperation area and develop joint actions for shared solutions on specific Alpine issues as laid down in the programme "priorities": competitiveness and attractiveness; accessibility and connectivity; environment and risk prevention. To know more, please visit: <http://www.alpine-space.eu>*

## **To know more:**

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About the AlpStore project: <http://www.alpstore.info/>

About the Alpine Space programme: [www.alpine-space.eu](http://www.alpine-space.eu)