



**Research and Innovation activities
about energy storage integration in the electricity networks:
ongoing activities at national level and future needs**

Regional workshop (Austria, Czech Republic, Hungary, Slovakia)

Federal Ministry for Transport, Innovation and Technology (BMVIT)
Radetzkystraße 2, 1030 Vienna, Austria.

24 February 2016

Background

This one-day workshop relates to the SET Plan activities within the Energy Union Framework.

The [Grid+Storage](#) service contract aims at providing the European Commission and the Member States with an upgraded version of the [Research and Innovation Roadmap for the electricity grids](#) as approved in 2013.

The novel features of this upgraded roadmap are three folds:

1. The roadmap will take into account an explicit description of Research and Innovation (R&I) activities recommended **about energy storage integration in the future electricity networks** (operations, maintenance, planning and market mechanisms) since energy storage is a way to increase the flexibility of the electricity system;
2. The roadmap upgrading process involves **the active participation of Member States**, by giving them the opportunity to show where and how public national funding addresses energy storage integration into grid activities: this contribution will reinforce the monitoring of national or regional Research and Innovation activities, thus helping to minimise the future risks of funding overlaps in EU28. And it will underline the role of the [ERA-Net Smart Grid Plus initiative](#) in catalysing more cooperative R&I activities between Member States.
3. The debates which are organised during nine “regional” workshops will favour the **involvement of national players in identifying needs for further research and innovation activities** at national and European level in order to accelerate the deployment of energy storage solutions throughout the electricity system.

This sixth workshop covers R&I activities in Austria, Hungary, Slovakia and the Czech Republic: it is therefore a **unique opportunity to interact with network operators and energy storage stakeholders about the R&I results obtained so far, and the scope and contents of the future Research and Innovation roadmap**.

All stakeholders involved in R&I activities dealing with smart grids and energy storage integration in the power system are invited to attend this workshop. National R&I projects representatives are welcome to join a labelling process where the European added value of their activities will be identified jointly by the [ERA-Net Smart Grid Plus](#) and [Grid+Storage](#) teams.

Three other regional workshops are scheduled throughout Europe until mid-March 2016, in order to share knowledge and agree about the future Research and Innovation activities needed for the next ten years.



Program

24 February 2016

13:30 REGISTRATION and WELCOME COFFEE

13:55 Welcome speech and presentation of BMVIT

Michael Hübner, BMVIT

14:00 Introduction to the activities of the Grid + Storage project

Sophie Dourlens, Grid+Storage Stakeholder Consultation Coordinator, TECHNOFI

14:15 The LEAFS project (Austria)

Johannes Kathan, R&D engineer, Austrian Institute of Technology

14:45 The EStore-M – project: Electricity Storage Management (Austria)

Harald KIRCHSTEIGER, Researcher, Austria Solar Innovation Center

15:15 First round table (moderated by Sophie Dourlens, Grid+Storage Stakeholder Consultation Coordinator, TECHNOFI)

Interactions with the audience about the lessons learnt by the projects presented during this session and the new knowledge needs to better integrate energy storage into the electricity system

15:45 COFFEE BREAK

16:15 The Smart Grid Knowledge Sharing Platform

Daniel Hernandez, Consultant, TECHNOFI

16:30 From local trials towards a European Knowledge Community: ERA-Net Smart Grids Plus

Ludwig Karg, CEO, B.A.U.M. Consult

16:45 The SORGLOS project (Austria)

Michael Chochole, Project Assistant, TU Vienna

17:15 The Calliaproject - Open Inter-DSO electricity markets for RES integration (Austria)

Ferdinand von Tuellenburg, Research & Development, Salzburg Research

17:45 Second round table (moderated by Sophie Dourlens, Grid+Storage Stakeholder Consultation Coordinator, TECHNOFI)

Interactions with the audience about the lessons learnt by the projects presented during this session and the new knowledge needs to better integrate energy storage into the electricity system

18:15 Final round table (moderated by Sophie Dourlens, Grid+Storage Stakeholder Consultation Coordinator, TECHNOFI with participation of projects representatives and members of EASE, EDSO and ENTSO-E)

- Impacts of the new knowledge presented by the six projects onto the Grid and Storage roadmap

Recommendations for future R&I activities and regional investments about grid and energy storage solutions

18:45 END OF WORKSHOP/AOB

19:30 NETWORKING DINNER



About Grid+Storage

[Grid+Storage](#) is a service contract for the European Commission (DG ENER), aiming at defining the European Research and Innovation roadmap integrating energy storage into grid activities.

[Grid+Storage](#) partners are:



About ERA-Net Smart Grids Plus

[ERA-Net Smart Grids Plus](#) is an initiative of 21 European countries and regions, aiming at enabling the right technologies, market designs and customer adoption in order to achieve the Smart Grids vision in Europe. It has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No 646039.

[ERA-Net Smart Grids Plus](#) funding partners are:



About ETP SmartGrids

The [European Technology Platform for Electricity Networks of the Future](#), also called ETP SmartGrids, is European forum to shape technology research and innovation pathways which will make electricity networks smarter