

EU PVSEC 2013 Conference 30 Sep - 04 Oct 2013 28th European PV Solar Energy Conference and Exhibition Parc des Expositions Paris Nord Villepinte, Paris, France

**Parallel event** 

#### **PV and Electricity Storage Requirements**



Wednesday, 2 October 2013 - Auditorium 311



Jointly organised with



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### **PV and Electricity Storage Requirements**

10:15 – 10:30	Introduction Thomas Maidonis, WIP, Munich (Germany) - stoRE project coordination team	
10:30 – 11:00	Assessment of electricity storage needs to accommodate 40 and 80% shares renewable electricity in Austria, Denmark, Germany, Greece, Ireland and Sp Thomas Weiss, Helmut-Schmidt-University, Hamburg (Germany)	
11:00 - 11:20	<b>Case study on electricity storage requirements in the systems of Austria and Germany</b> Hans Auer, Energy Economics Group, Vienna University of Technology, Vienna (Austria)	
11:20 – 11:40	Possible EU market and regulatory framework improvements from the perspective storage Michael Papapetrou, WIP, Munich (Germany) - stoRE project coordinator	pective of
11:40 – 12:00	<b>Photovoltaic industry's views on electricity storage</b> Giorgia Concas, European Photovoltaic Industry Association, Brussels (Belgium)	
12:00 - 12:30	Q&A and moderated discussion with the panel	Cont



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# Facilitating energy storage to allow high penetration of intermittent renewable energy



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# **Project Summary & Objectives**

*stoRE* aims to facilitate the high penetration of variable renewable energies in the European grid by unblocking the potential for energy storage infrastructure, through:

- Analysis of the energy storage status and potential
- Assessment of the environmental considerations for the development and operation of energy storage facilities
- Identification, assessment and reviewing together with key stakeholders of the regulatory and market framework conditions
  - at European level
  - in the 6 target countries
- Dissemination activities for improving the understanding of the benefits of energy storage for the energy systems of Europe.







## **Results (1)**

- □ Current Status, Role and Costs of Energy Storage Technologies
- □ The Role of Bulk Energy Storage in Facilitating Renewable Energy Expansion
- Environmental Performance of Existing Energy Storage Installations
- Recommendations for furthering the Sustainable Development of Bulk Energy Storage Facilities – consultation process closed









#### www.store-project.eu



# **Results (2)**

- Guidelines for the development of PHES in environmentally sensitive sites –
  ongoing consultation process
- European Regulatory & Market Framework for Electricity Storage Infrastructure consultation process closed
- □ Energy Storage Needs in Austria, Denmark, Germany, Greece, Ireland and Spain
- Regulatory & Market Framework for Electricity Storage Infrastructure ongoing consultation process









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