

## Workshop on Hybrid Energy and Energy Storage Systems 14-15 November 2018, Rue de Namur 72, Bruxelles, Belgium

### Agenda

#### Wednesday 14 November

Time	Topic	Introduction by
13:00	Opening and Introduction	Atle Harby, SINTEF
13:05	Challenges in developing enabling technologies and tools for hybrid energy and energy storage systems: Introductory speech	Eugenio Domínguez, HESStec
13:25	Challenges in linking thermal and chemical energy storage to the grid: Case study	Gerwin Drexler-Schmid, AIT
13:35	Challenges in developing smart management tools	Daniel Fernández-Muñoz, Technical University Madrid
13:45	Discussion	Moderator: Giovanna Cavazzini, University of Padova
14:45	Coffee Break	
15:00	Challenges in linking different storage technologies: Combining batteries and SMES for improved performance of energy storage	Antonio Morandi, University of Bologna
15:20	Challenges in developing tools for hybrid energy and energy storage systems: Case study	Xavier Granados, ICMA B
15:30	Discussion	Moderator: Manuel Baumann, KIT
16:40	Coffee Break	
17:00	SmILES project	Frank Meinke-Hubeny, Vito
18:00	End of meeting day one	

#### Thursday 15 November

Time	Topic	Introduction by
09:00	Challenges in linking transportation and their energy storage systems to the grid: Introductory speech	Jörg Burkhardt, hySOLUTIONS
09:20	Challenges in linking transportation and their energy storage systems to grid: Power-to-molecules – Converting renewable electricity and CO <sub>2</sub>	Michael Klumpp, KIT
09:30	Discussion	Moderator: Edel Sheridan, SINTEF
10:30	Coffee Break	
10:45	Summary of outcome and further points for discussion from previous hybrid workshops	Atle Harby, SINTEF
11:00	Brief overview of techno-economic and environmental issues related to hybrid energy and energy storage systems	Manuel Baumann, KIT
11:15	Discussion	Moderator: Atle Harby, SINTEF
12:00	Coffee Break	
12:20	Final discussion, brainstorming and conclusion: recommendations for research, industry and policy	
13:00	End of meeting	