

Day 1 - Technology - Wednesday, 19 November 2014

08:30

Registration

09:00 to 09:20

Official Opening



Dr Bernard Delpuch
President, EASE & Deputy Director - Shared Services, EDF



Mr Matthew Roberts
Executive Director, ESA

09:20 to 09:30

Introduction - Scope & Programme of the Day



Dr Stathis Peteves
Head of Unit - Energy Systems Evaluation, JRC

09:30 to 09:55

Keynote - The Energy Storage R&I Activities in the EU's Energy Policy Landscape



Ms Andreea Strachinescu
Head of Unit - New Energy Technologies, Innovation and Clean Coal, DG Energy

09:55 to 10:20

Outlook - Future in Electrochemical Storage



Dr Anne De Guibert
Corporate Research Director, Saft

10:20 to 11:20

Session I - Large Storage for Bulk Energy Services



Moderator: Dr Stathis Peteves
Head of Unit - Energy Systems Evaluation, JRC

Experience with the E.ON Power to Gas demo plant



Dr Andrei Zschocke
Head of Technical Innovation, E.ON Gas Storage

Variable Speed Turbines for PHS



Mr Olivier Teller
Product Director, Alstom Renewable Power Hydro

Large-scale Electricity Storage with Adiabatic CAES - the ADELE-ING project



Dr Stefan Zunft
Research Area Manager Thermal Components, DLR - ADELE project



Dr Sebastian Freund
Research Engineer, GE - ADELE project

11:20 to 11:50

Coffee break and Official Opening of the Exhibition

11:50 to 12:50

Session II - Storage in Transmission and Distribution Infrastructure Services



Moderator: Dr Stathis Peteves
Head of Unit - Energy Systems Evaluation, JRC

Flywheels for Frequency Control



Mr Jim Arseneaux
VP of Engineering, Beacon Power

Vanadium Flow Battery Systems for Renewable Energies and Grid Controls



Mr Yoshiyuki Nagaoka
Energy System Division Manager, Sumitomo

Benefits from Na-based Batteries coupled to networks



Mr Nicola Cosciani
Energy Storage Solutions Director, FIAMM



12:50 to 13:00

Q&A

13:00 to 14:15

Networking lunch

14:15 to 15:15

Session III - Storage for End Use, Distribution and Island Systems



Moderator: Mr David M. Rosewater
Energy Storage Test Engineer, Sandia National Laboratories

System Integration of Storage Solutions using EDF's Concept Grid platform



Mr Fabien Lucet
Head of Project, EDF R&D

High Efficiency Low-cost Thermal Storage for Adiabatic CAES and Pumped Heat Electricity Storage



Mr James Macnaghten
CEO, Isentropic

Cryogenic Thermal Storage



Mr Yulong Ding
Professor, University of Birmingham

15:15 to 15:30

Q&A

15:30 to 16:00

Coffee break in the Exhibition Area

16:00 to 16:45

Session IV - Cross-cutting issues



Moderator: Dr Andreas Zucker
Scientific Technical Officer, JRC

Standardisation - IEC TC 120



Mr Erik Wolf
Product Manager, Siemens

Safety Validation in Grid Energy Storage



Mr David M. Rosewater
Energy Storage Test Engineer, Sandia National Laboratories

16:45 to 17:00

Q&A

17:00 to 17:10

Wrap-up



Dr Andreas Zucker
Scientific Technical Officer, JRC



Mr David M. Rosewater
Energy Storage Test Engineer, Sandia National Laboratories

Networking dinner in Montmartre

Restaurant La Bonne Franquette
18 Rue Saint-Rustique, FR-75018 Paris

Transport to the venue has been arranged:

18:15 - 1st departure of buses to La Bonne Franquette

18:45 - 2nd departure of buses to La Bonne Franquette

The dinner will start at 19:30.

Please note that no return journey to the Cercle National des Armées has been arranged.



Day 2 - Market - Thursday, 20 November 2014

08:30 Registration & Exhibition open

09:00 to 09:30 **Opening Keynote Session**



Mr Patrick Clerens
Secretary General, EASE



Ms Colette Lamontage
Chairwoman, ESA

09:30 to 10:00 **Session I - Hosting country situation**



Moderator: Mr Patrick Canal
Executive Officer, ATEE-CSE

Energy Storage potential in France by 2030



Mr Laurent Fournié
VP Energy Division, Artelys

The Economics of Distributed Energy Storage, from kW to MW Scale



Mr Philippe Cassagne
Chief Technology Officer, GDF SUEZ Energy Europe

eStorage: Increasing Pumped Hydro Storage Flexibility to allow Intermittent Integration



Mr Olivier Teller
Product Director, Alstom Renewable Power Hydro

10:00 to 11:00 **Session II - The Island Case - ZNI**



Moderator: Mr Patrick Canal
Executive Officer, ATEE-CSE

Where is the market moving? The rationale for non-interconnected areas



Mr Michael Salomon
CEO, Clean Horizon

Storage at EDF IES Division: Some perspectives and ongoing experimentations



Mr Joseph Maire
Technical Director of the Smartgrid Programme, EDF - SEI

Implementing Li-ion Energy Storage on the French Islands



Mr Michael Lippert
Marketing and Business Development Manager, Saft

Island case: How to preserve grid stability while increasing RES share?



Mr Davy Theophile
Conversion Solution Director, Alstom Grid

11:00 to 11:30 Coffee break in the Exhibition Area

11:30 to 12:30 **Session III - Market Outlook**

Role of Energy Storage in Global Electricity Systems



Mr David Elzinga
Senior Energy Technology Analyst, IEA

Market Analysis and Hurdles from the Client Point of View



Dr Klaus Peter Röttgen
Head of Innovation Center Energy Storage, E.ON



Market Analysis and Hurdles from the Supplier Point of View



Dr Rainer Saliger
Innovation Manager - Energy storage, Siemens

12:30 to 14:00

Networking lunch

14:00 to 14:45

Session IV - Market Driven ES - Business cases

First Commercial Energy Storage Battery of Europe



Mr Jost Broichmann
Sales and Communications Manager, WEMAG

Business Cases for Large Capacity Storage Projects



Dr Emmanouil Kakaras
Vice President Research & Development, MHPSE

14:45 to 15:45

Session V - Regulation Driven ES - Business cases

Californian Support Scheme and the Selection of "Cost Effective" Projects



Mr Dominique Laurent
Business Development Director, AES

Smarter network storage



Mr John Hayling
Investment, Policy and Low Carbon Development Manager, UK Power Networks

Lessons learned from Implementing Battery Storage on TSO level



Dr Anna Carolina Tortora
Head of Innovation & Development, Terna

15:45 to 16:00

Q&A

16:00 to 16:30

Coffee break in the Exhibition Area

16:30 to 17:00

Session VI - Financial Institutions

Available Funding for the Development of Energy Storage Solutions



Mr Roland Schulze
Managerial Adviser - Low Carbon Energy Technology, EIB

17:00 to 17:10

Wrap-up



Ms Colette Lamontagne
Chairwoman, ESA

Networking dinner on the Seine

Bateaux Parisiens
Port de la Bourdonnais, FR-75007

Transport to the venue has been arranged:

18:15 - 1st departure of buses to the Bateau Bretagne

18:45 - 2nd departure of buses to the Bateau Bretagne

19:30 to 20:00 - boarding and departure of the Bateau Bretagne

23:00 - estimated return time to the dock

Please note that no return journey to the Cercle National des Armées has been arranged.



Day 3 - Policy

Friday, 21 November 2014

08:30 Registration & Exhibition open

09:00 to 09:20 **Rapporteur Day 1 Briefing**



Dr Giovanni De Santi
Director of the Institute for Energy and Transport, JRC

09:20 to 09:40 **Rapporteur Day 2 Briefing**



Mr Matthew Roberts
Executive Director, ESA

09:40 to 11:00 **National Policy Perspectives**



Introduction
by Dr Bernard Delpech, EASE President



EU - Mr Tudor Constantinescu
Principal Advisor to the Director-General, DG Energy



FR - Mr Axel Strang
Green Technologies Policy Advisor Smart Grids, Energy Storage and Hydrogen,
General Directorate for Energy and Climate Change, Ministry of Ecology,
Sustainable Development and Energy



UK - Mr Ian Ellerington
Head of Innovation Delivery, Department of Energy and Climate Change



US - Mr Cedric Christensen
Director of Market Development, CESA

DE - Representative of a German National Association

11:00 to 11:30 Coffee break in the Exhibition Area

11:30 to 12:30 **Panel Discussion**

12:30 to 12:45 **Closing**



EASE President,
Dr Bernard Delpech



EASE new President

12:45 to 14:30 **Networking lunch**

