

Using bioenergy for energy storage and to balance the grid

DG ENER, Room G. Hanreich, DM24-03/047, Brussels

9 November 2015, 12.00-18.00

- 12.00 – 12.05 Welcome
- 12.05 – 12.10 Introduction of Participants
- 12.10 – 12.15 Kyriakos Maniatis, DG ENER, "*Objectives of the discussion forum 'Using bioenergy for energy storage and to balance the grid'*"
- 12.15 – 12.30 Jean-Marie Bemtgen, "*Summary of ongoing activities on storage and grid issues in DG ENER*"
- 12.30 – 12.50 Kai Sipila, VTT, "*2030 climate policy call for high RES penetration, can bioenergy offer storage and grid balancing opportunities?*"
- 12.50 – 13.10 Miloud Ouadi, FRAUNHOFER -UMSICHT, "*Flexible Energy Storage from Residual Biomass (transport, hydrogen and power)*"
- 13.10 – 13.40 Lunch Break
- 13.40 – 14.00 Chrystelle Verhoest-Zerbo, LABORELEC, "*Practical issues related to biomass as energy storage*"
- 14.00 – 14.20 Niels Henriksen, DONG ENERGY, "*Bio-energy - a bridge to the future energy system*"
- 14.20 – 14.40 Mikael Nordlander, VATTENFALL, "*Bioenergy in the future Swedish energy system – same but different?*"
- 14.40 – 15.00 Wirgentius Niko, FORTUM, "*District heating and cooling: bioenergy & balancing element for renewable electricity*"
- 15.00 – 15.20 Discussion on the role of Utilities
- 15.20 – 15.40 Coffee Break
- 15.40 – 16.00 Philippe Boulanger, CARBON RECYCLING INTERNATIONAL "*Power-to-Methanol: Green transport fuel, renewable energy storage and grid balancing service*"
- 16.00 – 16.15 Christian Schweitzer, BSE ENGINEERING, "*Power to Methanol = Liquid Electricity*"
- 16.15 – 16.30 Discussion on Power to Fuels
- 16.30 - 16.50 René Venendaal, BIOMASS TECHNOLOGY GROUP, "*Pyrolysis oil as bioliquid for balancing the grid*"
- 16.50 – 17.45 General Discussion
- 17.45 – 18.00 Conclusions and follow up