

The Energy Transition to 100% Renewable Energy is a Key Element of the EU-Policy Process

Community Power and Renewable Energy Storage in Denmark and in the EU

Conference at Nordisk Folkecenter, 7760 Hurup, Denmark

12. December 2016 10.00 - 20.00



The event is supported by Europa Nævnet



Programme

09.55: Welcome by Jane Kruse, director of Nordic Folkecenter

Part 1: Political Challenges of Storing Energy in the EU

10.00 - 10.20: The future Role and Challenges of Energy Storage in the EU, Torbjorn Olausson, EU House, Copenhagen

10.20 - 10.40: The Potential of Community Power in Denmark and EU, Henning Bo Madsen, energy expert, NOAH, Denmark

10.40 - 11.00: Background of the New EU-Directive: Will There Be Place for Community Power?, Leire Gorroño, Nordic Folkecenter

11.00 - 11.20: Towards 100% Renewable Energy Supply within the EU, Examples from EU Countries Including Denmark, Gunnar Boye Olesen, INFORSE-EUROPE, Denmark

11.20 - 11.40: Coffee Break

Part 2: Storing Energy in a Different Way

11.40 - 12.00: Solar Sun Battery, Mogens Lesch, Germany

12.00 - 12.20: Storing Energy by Saving Energy: The Passive House Construction, Per Clausens, Denmark

12.20 - 12.40: Wave Energy as Storage, Ian Jordan, Denmark

12.40 - 13.00: Solar Energy Does not Need to Be Stored: The Sun Generator, Anker Mardal, Energivagt, Denmark

13.00 - 13.00: EXYTRON SmartEnergy Technology, Mogens Lesch, Germany

13.30 - 14.20: Lunch and Networking

14.20 - 15.20: Guided tour through Folkecenter's facilities and Folkecenter's storage system

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Part 3: Storage for Large Applications

15.20 - 15.40: Vehicle to Grid: a Danish Concept, Marian Gjelaj, DTU Elektro, Denmark

15.40 - 16.00: Storage and Transmission of Renewable Energy Surplus in Denmark, 2015-2020 and beyond, Gorm Andresen, Aarhus University, Denmark

16.00 - 16.20: Heat Pump Energy Storage System, Erasmus Damgaard Rothuizen, DTU, Denmark

16.20 - 16.40: Hydrogen & Fuel Cells Technology in the Future Energy System, Vincenzo Liso, Aalborg University, Denmark

16.40 - 17.00: Coffee Break

17.00 - 17.20: From Biogas to Biomethane through hydrogen utilization: a Real Case Scenario, Daniele Pagani, Nordic Folkecenter

17.20 - 17.40: Combigas: Biogas Upgrading without Hydrogen, Denmark

17.40 - 18.20: Networking

18.20 - 20.00: Dinner and Networking

20.00 - 20.10: Closing Remarks —

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NORDIC FOLKECENTER FOR RENEWABLE ENERGY

Nordic Folkecenter for Renewable Energy is a non-profit, independent, organisation that provides research, development of technology, training and information for the manufacture, industrial innovation and implementation of renewable energy technologies and energy savings in Denmark and throughout the world. Folkecenter intends to achieve measurable increases in the utilisation of renewable energy technologies and thereby significant reductions in environmental pollution associated with energy use in Denmark and elsewhere. It obtains support from local authorities, national and international agencies, and the industry. The ultimate long term purpose is a complete replacement of fossil fuels and atomic power with renewable energies.

NOAH - Friends of Earth Denmark

NOAH works to improve the living environment by stopping the destruction of the environment and present alternatives.

NOAH's vision is a just and sustainable world, where decisions are made democratic.

NOAH is an environmental movement started in 1969. NOAH is the Danish member of Friends of the Earth – the largest global network of environmental NGOs.

NOAH is currently focused on climate, energy, sustainable transport, sustainable food production, bio-diversity and sustainable use of resources.

VedvarendeEnergi

VedvarendeEnergi works for 100% renewable energy in a sustainable world. We are a member based NGO with activities in Denmark and in developing countries. SustainableEnergy was created in 1975 as a protest against plans for nuclear power in Denmark under the name "Organisation for Vedvarende Energi" (OVE). In 2010 we changed our name into VedvarendeEnergi (SustainableEnergy).

INFORSE EUROPE

INFORSE- Europe is one of the 7 regions of the International Network for Sustainable Energy (INFORSE), which is a worldwide NGO network formed at the Global Forum in Rio in 1992.

INFORSE has more than 145 member organisations worldwide and works for implementation of sustainable energy solutions by exchange of information, awareness creation, formulation and implementation of strategies, and lobbying of international forums.

INFORSE-Europe has 85 members from 35 countries. The Danish members include NOAH, SustainableEnergy (VedvarendeEnergi), Samsø EA, DIB, and the Nordic Folkecenter for Renewable Energy.

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Community Power

Community-owned energy projects have the potential to transform our energy system. Communities and cooperatives all over Europe are creating projects where they own and are actively involved in running an energy plant using renewable energy.

In the period 2013-2016 European NGOs and institutes from 12 countries have worked together on a project aimed at getting the decision makers improve the conditions for establishing community owned RE plants. They also initiated community RE across Europe.

A result of the project was coalitions for the promotion of Community Power both among Brussel based organisations and at national level.

In Denmark organisations has formed Alliancen for Community Power i Danmark who has been involved in organizing seminars and public meetings and lobbying politicians.

At EU level the coalition has been working on getting community energy into the new Renewable Energy Directive and has commissioned a study from CE Delft on the potential for consumer and community owned RE production in EU.

http://www.cedelft.eu/publicatie/the_potential_of_energy_citizens_in_the_european_union/1845

For more information see: www.folkecenter.net
<http://www.folkecenterevents.net>

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