

# Nordic Show Room on Energy Quality Management

**August 27, 2014**

- 9:00 - 9:30** - Opening speech - Ragnheiður Elín Árnadóttir, Minister of Industry and Commerce
- 9:30 - 10:00** - EQM - The Nordic and the Global Perspective – Guðni A. Jóhannesson, Director General of Orkustofnun
- 10:00 - 10:30** - Coffee
- 10:30 - 12:00** - Panel discussion, Energy leaders - Nordic EQM potentials in the Nordic Energy mix - Hörður Arnarson, CEO of Landsvirkjun, Hans Jörgen Koch, Director of Nordic Energy Research, Erik Brandsma, Director General of the Swedish Energy Agency, Moderator: Brian Atkin, Professor, Construction Sciences, Lund University.
- 12:00 - 13:00** - Lunch
- 13:00 - 13:20** - District heating - Cost and benefits - Jónas Ketilsson, Senior Project Manager at Orkustofnun
- 13:20 - 13:40** - Energy vs Exergy use in buildings - Christina Sager, Group Manager at Fraunhofer-Institute for Buildings Physics
- 13:40 - 14:00** - The importance of the design phase in Energy Quality Management: An example of the application of the parametric analysis to residential buildings - Marco Molinari, PhD, KTH Royal Institute of Technology
- 14:00 - 14:20** - Assessment of a district heating system as a low exergy heat supply system - Forrest Meggers, Assistant Professor Princeton University School of Architecture & Andlinger Center for Energy and Environment
- 14:20 - 14:40** - Hungary - from gas to geothermal - Árni Magnússon, Managing Director at Mannvit Engineering
- 14:40 - 15:00** - Coffee
- 15:20 - 15:50** - Renewable energy research projects at the University of Debrecen - Dr. Ferenc Kalmar, University of Debrecen
- 15:50 - 16:20** - Keynote - Multiple revenue streams from a Geothermal Power plant - Albert Albertsson, Deputy CEO of HS Orka
- 16:20 - 16:40** - Energy Potential Mapping - Laying the foundations for Low Ex Communities - Michiel Fremouw, MSc, Researcher at TU-Delft
- 16:40 - 17:00** - Low Ex Communities - optimized performance of community energy supply systems with exergy principles - Anna Maria Kallert, Fraunhofer Institute for Building Physics IBP.

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- 9:00 - 9:30** - Keynote: Stockholm - a new generation of energy networks - Birgitta Resvik, Vice president at Fortum
- 9:30 - 10:00** - Data storage as a heat source - Juha Sipilä, Project Manager at Helsingin Energia
- 10:00 - 10:30** - Coffee
- 10:30 - 11:00** - High Quality Energy, Benjamin Smith at Nordic Energy Research
- 11:00 - 11:30** - Alternative Energy for shipping in Nordic Waters - Hanna Paradis - Project Manager MSc, Energy Systems Engineering, SSPA Sweden AB
- 11:30 - 12:00** - Faroe Islands - The roadmap from diesel to low carbon energy sources - Kári Mortensen Department leader Energy – Jarðfeingi - Faroese Earth and Energy Directorate
- 12:00 - 13:00** - Lunch
- 13:00 - 13:20** - The mine water project in Heerlen the Netherlands: Development of a geothermal mine water pilot project to a full scale hybrid low-exergy infrastructure - Peter Op't Veld, Senior Consultant at Huygen Installatie Adviseurs
- 13:20 - 13:40** - The Icelandic mobile energy sector potentials and challenges - Ágústa Loftsdóttir, Manager - fuels and renewable energy at Orkustofnun
- 13:40 - 14:00** - Conversion of surplus electricity and CO2 to fuels - KC Tran, Chief Executive of Carbon Recycling International
- 14:00 - 14:20** - District heating in Sweden - lessons learned from the development of the energy mix - Erik Thornström, Head of Energy Policy, CHP and EU-coordination/Swedish District Heating Association
- 14:20 - 14:40** - Utilization of return water in district heating networks - Oddgeir Guðmundsson, Application Specialist at Danfoss District Heating Application Centre DK-Nordborg
- 14:40 - 15:00** - Coffee
- 15:20 - 15:50** - Heat Pump Development in Iceland - Sigurður Ingi Friðleifsson Manager at Orkustofnun
- 15:50 - 16:20** - Geoexchange and interaction with building energy use – Peter Platell, CEO of own innovation companies
- 16:20 - 16:40** - Summing up - Guðni A. Jóhannesson, Director General of Orkustofnun