

5th EERA Annual Congress 2015

Programme

Congress theme for the EERA congress 2015 – Research for the Energy market 2035

What will the energy market look like in 2035? Worldwide the energy system is changing creating new market conditions. From the shale gas boom in the US to the Energiewende in Germany and the 2011 Fukushima nuclear plant accident in Japan to the dramatic drop in oil prices. Meanwhile, the crisis in Ukraine has brought energy security to the forefront of the political agenda while the latest IPCC report calls for immediate action to address climate change. In the middle of this, energy companies, large and small, are navigating to change or develop business models and products that will match the future energy market. Incumbents are under heavy pressure to adapt to the new realities while new players emerge and consumers turn prosumers with rooftop solar systems.

How does this affect the research agenda at the technology as well as the system level? Mature renewable technologies such as wind and solar are challenged to manage with less subsidies while the development of smart grids needs to find solutions to incorporate decentralised systems.

And how does the different market conditions affect the how we best structure coordination of European research?

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Programme

08:30 **Coffee and registration**

09:30 **Opening session**

- Welcome by EERA Chairman **Hervé Bernard**, Administrateur Général Adjoint CEA
- **Alex White**, Irish Minister for Communications, Energy and Natural Resources [tbc]
- **Marie C. Donnelly**, Director for New and renewable sources of energy, energy efficiency and innovation, European Commission DG Energy

10:15 Congress theme session – Research for the energy market 2035

- **The EU 2035 energy market and the Energy Union**
András Siegler, Director DG Research and Innovation European Commission
- **Keynote Speech**
Christian Egenhofer, Senior Fellow and Head of the Energy, Climate and Environment Programme at the Centre for European Policy Studies (CEPS)
- **Strengthening Europe’s energy security**
Setting the challenge – Uwe Remme IEA
A research response - energy security through systems integration, Mark O’Malley (UCD, JP Energy Systems Integration)
- **Is there a limit to how much renewable we put into the grid?**
Setting the challenge – tbc
A research response – (JP Smart grids representative tbc)
- **A subsurface low Carbon baseload**
Setting the challenge – tbc
A research response – Sven van der Gijp (TNO, JP CCS)

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12:00 Lunch

13:30 Congress theme session continued

- **The first fuel of energy – energy efficiency in industrial processes**
Setting the challenge – tbc
A research response – Peter Røkke (SINTEF, JP Energy Efficiency)
- **Social innovation – local energy communities**
Setting the challenge – Dirk Vansintjan, President of ReScoop.
A research response – Daniela Velte (Tecnalia)

14:30 Coffee Break

15:00 EERA in the SET-Plan

- **Status of the SET-Plan and EERA**

William F. Christensen, Member of the SET-Plan Steering group and Deputy Director General Climate, Industry and Technology Department Norwegian Ministry of Petroleum and Energy

- **Panel debate**

Panelists: **Paul Verhoef**, Head of unit DG Research and Innovation (EC), **Giovanni de Santi**, Director for Energy (JRC), **William F. Christensen** (NO), **Julian Blanco**, Coordinator for the EERA JP on CSP (CIEMAT), and **Hervé Bernard**, EERA Chairman (CEA).

16:00 Closing session

Carlos Moedas, European Commissioner for Research and Innovation (tbc)

Teresa Ponce Leao, EERA Vice-chair and President of LNEG.

16:30 End of congress

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