



Thursday, 17th December 2009

11:00–12:30

Room: Niels Bohr

SuperSmart Grids

Pathways to a decarbonised power system

Europe and other regions need to accelerate the delivery of SuperSmart Grids and renewables to reach a fully decarbonised power system by 2050 and meet the 2°C target.

The integration of a large amount of renewable energy sources into the grid is possible with current technologies, but policy-makers need to lead the transformation by securing the necessary legislation on support mechanisms and regulatory reform.

- A largely renewable power sector is technically and economically feasible.
- Integrating North Africa and its vast solar and wind resources into the European power system is an efficient way to produce cheap dispatchable renewable electricity for Europe and Northern Africa
- Most of the changes needed for the transformation to 100% carbon neutrality by 2050 need to be started within the next five years.
- New power lines are crucial for integrating large amounts of renewables.

Five minute inputs from:

Ruth Davis, Head of Climate Change Policy, Royal Society for the Protection of Birds (RSPB)

Nick Dunlop, Secretary-General of the Climate Parliament

Satu Hassi, Member of the European Parliament, former Finnish Environment Minister

Peter Höppe, Head of Geo Risks Research Department, Munich RE and DESERTEC Industrial Initiative (DII)

Ben Voorhorst, COO TenneT TSO/Transpower

A discussion chaired and moderated by **Antonella Battaglini** (PIK, ECF, RGI) will follow.

The side event is realised in cooperation with:



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CLIMATE IMPACT RESEARCH



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