



**Joint ENARD/IEA Grid Policy Workshop,  
to be held at the UICP Congress Centre, Paris, France  
Wednesday 28th April 2010.**

**“Electricity Grids – a key enabler in the delivery of a sustainable energy policy”**

**1. Introduction**

The International Energy Agency (IEA) is an intergovernmental organisation which acts as energy policy advisor to 28 member countries in their effort to ensure reliable, affordable and clean energy for their citizens. Ensuring energy security and addressing climate change issues in a cost-effective way are the main challenges of energy policies and in the longer term will be solved only through technology co-operation. To encourage collaborative efforts to meet these energy challenges, the IEA has created more than 40 “Implementing Agreements” that allow interested member and non-member governments or other organisations to pool resources and to foster the research, development and deployment of particular technologies.

The crucial role of electricity transmission and distribution (T&D) networks in the delivery of energy policy objectives was recognized via the establishment of ENARD, as the IEA Implementing Agreement on Electricity Networks Analysis, Research & Development, July 2006. On an internal level, the IEA Electricity Coordination Group (ECG) was established.

This topical Workshop, organized in conjunction with the ECG and the IEA Secretariat, provides a series of high level regional perspectives on the crucial importance of electricity networks and presents a series of emerging policy messages and highlights, from ENARD’s first 4 years of operation.

Crucially, the workshop will aim to stimulate discussion in terms of the future role and development of electricity networks, in meeting energy policy and sustainable economic development objectives. The conclusions and recommendations from the workshop will form a key input in relation to future international collaborative activities in this area, under the auspices of the IEA and beyond.

## 2. Programme

08:30	Registration and coffee
09:00	Welcome – Bo Diczfalusy, Director of Sustainable Energy Policy and Technology Directorate, International Energy Agency
09:10	Introduction to the Workshop – Stig Goethe, Chair, of IEA Implementing Agreement on Electricity Networks Analysis, Research & Development
09:15	Keynote Address: Electricity Grids – a key enabler in the delivery of a sustainable energy policy – Marc Boillot, Senior Advisor, ERDF, France
09:40	Workshop Overview – John Baker, Operating Agent, ENARD Annex I
Session 1: Regional Perspectives. Session Chair: John Baker, Operating Agent, ENARD Annex I	
09:45	The SmartGrid – Enabler of the New Energy Economy – Eric Lightner, US DOE
10:05	The European Technology Platform SmartGrids – Professor Ronnie Belmans, Chairman, ETP SmartGrids
10:25	Electricity Grids – facilitating sustainable economic development in emerging economies – Minnesh Bipath, SANERI, South Africa
10:45	Coffee
Session 2: ENARD:- the IEA Implementing Agreement on Electricity Networks Analysis, Research & Development. Session Chair: Stig Goethe, Chair of ENARD Implementing Agreement	
11:15	Introduction to ENARD, the IEA Implementing Agreement on Electricity Networks Analysis, Research & Development – John Baker, Operating Agent, ENARD Annex I
11:30	Emerging Policy Messages from the Individual Operational Annexes
11:30	Annex I “Information Collation & Dissemination”
11:45	Annex II “DG System Integration”
12:00	Annex III “Infrastructure Asset Management”
12:15	Annex IV “Transmission Systems”
12:30	Morning Panel Session:- “Research or Reality?”. Moderator – Hermann Halozan, Chairman, IEA End Use Working Party. Panel members: Morning speakers, plus Peter Versteegh, Electricity Co-ordination Group Chair and representatives from the HTS and PVPS Implementing Agreements.
13:00	Lunch

Session 3: Future Challenges for Networks. Session Chair, Pierre Mallet, ERDF	
13:50	Accommodating future projected developments in the generation mix (wind, wave&tidal, supercritical coal, nuclear and microgeneration) – Bart Stoffer, Director Power Economics Europe, EAS&E, GE Energy
14:10	The Role of New Technologies – a Power Engineering Equipment Supply Base Perspective – Peter Jones, Head of Technology, ABB UK, United Kingdom
14:30	Harnessing the Potential of the North Sea Offshore Wind Resource – a Norwegian Perspective – Lars Audun Fodstad, Senior vice-President, Statkraft, Norway
14:50	Electricity Networks – the IEA Energy Technology Perspective – David Elzinga, International Energy Agency, Paris
15:10	Tea
Session 4: Regulation, Financing and Investment. Session Chair: Rainer Bacher, BACHER ENERGY LTD, Switzerland	
15:30	Developing the Regulatory Framework –Cécile George, Director of Electric Grid Access, CRE, France; member of the CEER and ERGEG Electricity Working Group
15:50	Financing and Investment – Paola Bresesti, European Investment Bank, Luxembourg
16:10	Afternoon Panel Session:- “Electricity Grids – Enabler or Bottleneck?” Moderator – Michele de Nigris, ERSE SpA. Panel members: Afternoon speakers plus representatives from the DSM and RETD (tbc) Implementing Agreements
16:40	Workshop Conclusions and Recommendations – Chair: Stig Goethe, ENARD
17:00	Workshop closes