



Launching Event and 1st General Assembly of the European Technology Platform **SmartGrids**

“Electricity Networks of the Future”

6-7 April 2006
Brussels, Charlemagne building
Rue de la Loi 170

PROGRAMME

1st Day: 6 April 2006

9:30 **Opening Session**

Chair: Christian Sasse, AREVA T&D General Manager Technology Centre and
ETP SmartGrids Advisory Council Chairman

- **Janez Potočnik**, EU-Commissioner for Science and Research
- **Presentation of the Vision of TP-SmartGrids**
Christian Sasse

10:30 **Press-Conference**

11:00 **Visions of the Electricity Networks of the Future**

Chair: Christian Sasse, AREVA T&D General Manager Technology Centre and
ETP SmartGrids Advisory Council Chairman

Stakeholders' views:

- Daniel Dobbini, CEO Elia and President of ETSO
- **Istvan Pataki**, Vice President CEER
- Joachim Schneider, Member of the Board of ZVEI (Central Society of the Electrotechnical Industry) and Member of the Management Board of ABB AG
- **Jean-Louis Mathias**, Chief Operating Officer, Electricité de France

14:30 **Strategic Research Agenda**

Chair: Pablo Fernández Ruiz, European Commission
DG RTD, Director of Directorate J - Energy

Key results from EU projects and Structure of the TP-SmartGrids

Manuel Sánchez, European Commission, DG RTD, Directorate J - Energy

Network Assets - Issues, vision and roadmap

Pier Nabuurs, CEO KEMA, The Netherlands

Network Operations - Issues, vision and roadmap

Tahir Kapetanovic, Director Electricity Energie-Control GmbH, Austria

Demand and Metering - Issues, vision and roadmap

Maher Chebbo, Vice President Utilities Industry Europe Middle East and Africa,
SAP AG, Germany

Generation and Storage - Issues, vision and roadmap

Nikos Hatziargyriou, Professor National Technical University of Athens, Greece

17:30 Round-table on the SmartGrids

Co-Chair: Ruud de Bruijne, SenterNovem and Mirror Group Vice Chairman
Rainer Bacher, Swiss Federal Office of Energy (SFOE),
Head Electrical Networks and Mirror Group Vice Chairman

Participants:

- Yves Bamberger,
Executive Vice President, Head of Corporate EDF R&D, France
- **Ronnie Belmans**,
Full Professor K.U.Leuven, Belgium
- **Bernd Buchholz**,
Vice President Siemens AG PTD, Germany
- Livio Gallo,
Executive Vice President Business Area Networks, Enel Distribuzione, Italy
- **Norberto Santiago Elustondo**,
President Grupo ZIV SA, Spain

2nd Day: 7 April 2006

9:30 Strategic Research Agenda. Four Working Group Parallel Sessions *(see specific programme below)*

14:30 Presentation of Working Group results

Chairs: Jürgen Schmid, Chairman of the Board, ISET, Germany
John Scott, Technical Director OFGEM, UK

Network Assets

Pier Nabuurs, CEO KEMA, The Netherlands

Network Operations

Tahir Kapetanovic, Director Electricity Energie-Control GmbH, Austria

Demand and Metering

Maher Chebbo, Vice President Utilities Industry Europe Middle East and Africa,
SAP AG, Germany

Generation and Storage

Nikos Hatziargyriou, Professor National Technical University of Athens, Greece

15:30 Conclusion: further needs, plans and recommendations

Christian Sasse, AREVA T&D General Manager Technology Centre and
ETP-SmartGrids Advisory Council Chairman
John Scott, OFGEM Technical Director and Adviser to the Authority

Closing Remarks

Angel Perez Sainz, European Commission, DG RTD, Directorate J - Energy,
Head of Unit "Energy production and Distribution Systems"

16:00 End of 1st General Assembly

Strategic Research Agenda

Workshop 1

Network Assets

Chair: Pier Nabuurs, CEO KEMA, The Netherlands

Rapporteur: Peter Vaessen, KEMA, The Netherlands

- 9:30-10:00** **What are the main issues regarding network assets in the electricity networks of the future?**
Pier Nabuurs, CEO KEMA, The Netherlands
- 10:00-10:30** **Pan-European Network**
What and how to cope with the new challenges of the network?
Markus Obergünner, E.on Netz, Germany
- 10:30-11:00** **Network Asset Management**
What and how much new investment do we need?
Dragana Popovic, Energy Network Association, United Kingdom
- 11:15-11:45** **Customer Integration**
What is needed to really put customers in the centre, and how to realise this?
Edmund Handschin, University Dortmund, Germany
- 11:45-12:15** **The NEW distribution network**
How can a flexible plug and play distribution network be realised?
Venizelos Efthymiou, Electricity Authority of Cyprus
- 12:15-12:45** **Multiple Energy Carrier Systems**
Which combination of infrastructures offers the best solution, and how to reach this?
Jean-Marie Delincé, Elia, Belgium
- 12:45-13:00** **Summary of main conclusions**

Strategic Research Agenda

Workshop 2

Network Operations

Chair: Tahir Kapetanovic,
Director Electricity Energie-Control GmbH, Austria

Rapporteur: Tahir Kapetanovic,
Director Electricity Energie-Control GmbH, Austria

- 9:30-10:15** **Network Operations Vision and how to get there**
Will there be any networks to operate?
Carlo Sabelli, Director Dispatching Activities TERNA, Italy
Magdalena Wasiluk-Hassa, Director PSO, Poland
Joao Baptista, Executive Director ELECPOR, Portugal
- 10:15-11:00** **Network Operations Customers – needs and opportunities**
For whom are operated networks operated indeed?
Bernd Buchholz, Vice President, Siemens PTD Germany
- 11:15-12:00** **Network Operations validation projects – achieving cost-effectiveness.**
Doing the right things OR doing the things right?
Ronnie Belmans, Full Professor and Chairman of ELIA, KU Leuven, Belgium
- 12:00-12:45** **Achieving the Network Operations vision – risks and solutions to secure success**
The theory and practice – how they will match and what do we do about it?
Paul Smith, ESB National Grid, Ireland
- 12:45-13:00** **Summary of main conclusions**

Strategic Research Agenda

Workshop 3

Demand and Metering

Chair: Maher Chebbo, SAP AG, Germany

Rapporteur: Brita Buchholz, MVV, Germany

9:30-10:15

Overall Demand and Metering vision

Would customers become the central focus?

Maher Chebbo, Vice President Utilities Industry Europe Middle East and Africa, SAP AG, Germany

10:15-11:00

Automated Meters and Value Added Services

e-Metering and VAS : Key innovations for extensive customer value?

Livio Gallo, ENEL, Italy and Harald Schaeffler, FhG- ISE, Germany

11:15-12:00

Development of European wide consciousness programs for Energy efficiency and commitment of European institutions for standardization

How can we increase customer sensitivity to energy issues?

Marianne Osterkor, REEE, Austria

12:00-12:45

Effective Demand Side Management in Power Markets

Would the Real Time Demand Side infrastructure be ready to reach end user flexibility and energy efficiency?

Norberto Santiago Elustondo ,ZIV, and Nicolás Arcauz, Iberdrola, Spain

12:45-13:00

Summary of main conclusions

Strategic Research Agenda

Workshop 4

Generation and Storage

Chair: Nikos Hatziargyriou, NTUA, Greece

Rapporteur: Nick Jenkins, UM, UK

9:30-10:15

SmartsGrid Vision – Generation and Storage in relation to network development and operation, especially distributed generation – Sharpening our insights

Do you share the Vision for Electricity Networks of the Future and how might the vision be refined?

Angelo Invernizzi, CESI Ricerca, Italy

10:15-11:00

The Customers – anticipating their needs and opportunities

Are the needs of customers adequately identified and how will these differ in the future from those of today? Are the strategic topics aligned with these needs and is the ranking proposed consistent with the user's priorities?

Michel Rioul, EdF, France

11:15-12:00

Evaluation Projects – achieving cost-effective validation projects

What are the characteristics of a successful validation project, how might it best be structured as regards collaborative partners, funding, location and so on?

Philipp Strauss, ISET, Germany

12:00-12:45

Achieving the Generation and Storage vision – risks and solutions to secure success

What are the risks that may prevent the realisation of the vision and how might the Flexible Framework best be developed to eliminate or minimise them?

Paul Smith, ESB National Grid, Ireland

12:45-13:00

Summary of main conclusions