A sustainable energy system in Northern Europe – an utopia or a possibility.

Challenges for an integrated North European electricity market.

6th of December 2012
TU-Campus EUREF - Alte Schmiede
Torgauer Str. 12-15, 10829 Berlin

Elforisk, the Swedish Electricity Industry Research Institute and the Technical University of Berlin invite you in co-operation with ACATECH, the National Academy of Science and Engineering and IVA, the Royal Swedish Academy of Engineering Sciences, to a seminar, discussing the interesting challenges we stand in front of in Northern Europe, to create a secure, sustainable and environmentally acceptable energy supply.

Application required!
Please confirm your attendance at the energy seminar by sending an email to: florian.krueger@campus.tu-berlin.de
Further information can be found on our website: www.energy.tu-berlin.de

Invitation
6th of December 2012
A sustainable system in Northern Europe – an utopia or a possibility.

Program
09.30 Welcome session
Chair: Dr. Lennart Billfalk, Chairman of the Energy Group at IVA, the Royal Swedish Academy of Engineering Sciences,
Welcome
Dr. Magnus Olafsson CEO Elforisk AB
"An integrated European Energy System - Challenges and possibilities" Prof. Dr. Filip Johnsson, Dept. of Sustainable Energy Systems, Chalmers University of technology, Göteborg, Sweden
"Monitoring the German Energiewende – Roadmap towards Germany’s Energy System 2050" Prof. Dr. Frank Behrendt, Innovation Centre Energy, Technische Universität Berlin, Germany & ACATECH – National Academy of Science and Engineering.

11.00 Coffee break

11.30 Session 1:
The Energy System development, interactions and the real challenges towards 2050
Chair: Prof. Dr. Frank Behrendt, TU Berlin and ACATECH
"Optimal European RES-E penetration and grid extension until 2050" PD Dr. Dietmar Lindenberger, Institute of Energy Economics at the University of Cologne(EWI), Germany
"Market value of variable renewables" Lion Hirth, Vattenfall, Germany
"The energy system development, interactions and the real challenges towards 2050” Prof. Dr. Kai Strunz, TU-Berlin - Sustainable Electric Networks and Sources of Energy, tbc

Greeting - Prof. Dr. Jörg Steinbach, President Technische Universität Berlin
13.00 Lunch

14.15 Session 2:
European electricity market reformation at a crossroad?
Chair: Dr. Sico Lehmann-Brauns, ACATECH, tbc
"European electricity market reformation at a crossroads?" Peter Fritz, Swe AB, Sweden
"Economic opportunities of a smart Energiewende” Prof. Dr. Claudia Kemfert, German Institute for Economic Research - DIW Berlin
"Traffic light model" a scorecard approach to assess the challenges in the energy policy and system Dr. Bo Rydén, CEO Profu AB and project leader Nordic Energy Power Perspectives, Sweden.

15.30 Break

15.50 Session 3:
Summing up discussion (panel + audience)
Chair: Prof. Dr. Lars Strömberg, Chalmers UT and IVA, the Royal Swedish academy of engineering sciences
- Speakers of presentations in Sessions 1 and 2
- Intro: Difficult decisions, differing wills, the future hurdles for a common solution
- The systems development reacting on the policy drivers – creating the challenges or giving the solutions?
- Implications for the market participants and for the German and Nordic systems?
- What can Research contribute with?

16.45 Seminar summary - 17.00 Seminar ending

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