Preliminary Programme

The European Parliament's Scientific Technology Options Assessment Panel would like to invite you to a

STOA Workshop on
Future Energy Systems in Europe
Organised by ETAG on behalf of STOA
Chair: Joel HASSE FERREIRA, MEP, member of the STOA Panel

The European Parliament
Room A 5 G-2
60, Rue Wiertz
B-1047 Brussels
Belgium

20 November 2007, from 3 p.m. to 6 p.m.

How can we meet the energy challenges in Europe of tomorrow by strengthening the use of energy savings and renewable energy resources and technologies? What are the potentials and effects?

3 - 3.15 p.m. Opening and welcome by the chairman, Mr. Joel Hasse Ferreira (MEP)

3.15 - 3.30 p.m. Session 1: Challenges for the EU energy sector
Presentation by Britta Thomsen (MEP), member of the Committee on Industry, Research and Energy, ITRE
a. EU parliament approval on Roadmap for renewable Energies in Europe
b. The need for reducing greenhouse gas emissions
c. Energy security

3.30 - 4.45 p.m. Session 2: Opportunities and potentials
a. Presentation on Energy savings (Jørgen Henningsen, European Policy Centre).
   - Energy savings in industry/electricity production.
   - Energy savings in the transport sector.
   - Meeting the Lisbon, Kyoto and Moscow agendas
   - Immediate availability of relevant technologies.
   - Importance of ensuring effective implementation of existing directives

   - Renewables – how far can they get us?
   - Potentials, cost and benefits.

d. Presentation on Transport (Chris Mullin, Team Leader The King Review of low-carbon cars, HM Treasury).
   - Existing evidence on technologies to reduce the carbon emissions from vehicles. How does this coincide with actual EU policies?
   - Hybrid engine, electric engine and “plug in car” technology. What are the perspectives?
   - Modal-change: Moving transport from private cars to public transport/biking etc.
   - Policy options for European transport: Recommendations for the MEP’s

e. Presentation on Infrastructure and systems (Reinhard Haas, Associate professor, Institute of Energy Economics at Vienna University of Technology)
   - Potentials in implementing different renewable energy sources in existing energy infrastructure and systems.
   - What are the main barriers for integration of fluctuating energy sources in the European electricity systems
   - How should these barriers be overcome? What is the particular role of the European Union in this respect? (Regulation and coordination)

4.45 – 5.15 p.m. Session 3: Pathways toward sustainability
Presentation by Kenneth Karlsson, (Scientist, Risø National Laboratory, Denmark) and Anders Kofoed-Wiuff (Energy Advisor, EA Energy Analyses)
   a. Scenarios
   b. Modelling tool

5.15 - 5.50 p.m. Questions to the expert panel from the MEP’s

5.50 - 6 p.m. Final remarks by the chairman

Should you have any questions regarding the workshop, the project or the Danish Board of Technology, feel free to contact the STOA Secretariat (Mr. Miklós Győrffy, Policy Department A: Economic and Scientific Policy, Directorate General for Internal Policies, European Parliament, Rue Wiertz 60, ATR 00K076, B-1047 Brussels; e-mail: miklos.gyoerffi@europarl.europa.eu), or:

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