

Draft Program for the internal brainstorming workshop
March 19, 2012, Berlin

The objective of this workshop is to explore new pathways to develop models specifically tailored to address issues of the “energy transformation”, i.e. the move to a low-carbon, renewable-based electricity sector. The presentations/papers should be sent around in advance, and be rather technical (i.e. not focusing explicitly on data); for each presentation (~ 25-30 minutes), there is a discussant + general discussion.

The workshop is part of the Mercator Project “Model-based analyses for the electricity sector design to favor the integration of renewable energies in the energy transformation”

9.30h– 9.45h

Claudia Kemfert (DIW Berlin / Hertie School): Opening Remarks, Mercator project)

9.45h– 10.30h

Steve Gabriel (University of Maryland): Survey of recent models including wind/natural gas and intermittency
Discussant: Friedrich Kunz (TU Dresden)

10.30h-11.15h

Thure Traber (DIW Berlin): Modeling capacity instruments for Germany and the neighbouring countries
Discussant: Christian von Hirschhausen (DIW Berlin / TU Berlin)

11.15h-12.00h

Andreas Schröder (DIW Berlin): Long-term stochasticity in a dynamic investment model
Discussant: Friedrich Kunz (TU Dresden)

12.00h-12.45h

Friedrich Kunz (TU Dresden): Stochasticity in a multi-period market model
Discussant: Steve Gabriel (University of Maryland)

12.45h-2.00h

Lunch

2.00-2.45h

Franziska Holz (DIW Berlin): The role of natural gas in a low-carbon economy

Discussant: Jan Abrell (EC-JRC / DIW Berlin)

2.45h-3.30h

Asgeir Tommasgard (NTNU): tbd

Discussant: tbd

3.30h-4.15h

Jonas Egerer/Clemens Gerbaulet/et al. (TU Berlin): Modeling longer-term network planning

Discussant: ...

4.15h

Final discussion