

# Progressing towards a sustainable electricity system?

## On the role of technological, societal and other innovation in electricity system transformation

TIPS final workshop, in co-operation with SPRU/University of Sussex  
27.-28.11.2007, Berlin, Meeting and Convention Center Palisa.de

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### Preliminary Programme (05 Oct 2007)

#### Tuesday, 27 November 2007

13:00 Welcome and general introduction  
Barbara Praetorius, DIW Berlin / TIPS  
Gordon McKerron, SPRU

13:30-15:00 Panel 1.1  
**Sustainability assessment: what are sustainable innovations? Part 1**  
Chair: Barbara Praetorius

Topics: What is a sustainable innovation? Which methods are appropriate for the assessment of sustainability potentials? How do these methods compare, compete or complement each other? Which conclusions can be drawn for societal and policy action? Scenario methods and results when including innovation. Methodological issues of including innovation.

1. Jonathan Kohler, Tyndall: Modelling innovation and sustainable electricity
2. Katja Schumacher, TIPS: Innovation in economic modelling: Empirical results
3. Sigrid Stagl, SPRU: Multi-criteria mapping for sustainable energy scenarios

15:15-16:45 Panel 1.2  
**Sustainability assessment: what are sustainable innovations? Part 2**  
Chair: Katja Schumacher

1. Martin Pehnt, ifeu: Environmental assessment of future energy systems
2. Markku Lehtonen, SPRU: On the use of sustainability assessments
3. Andy Stirling, SPRU: Strategic diversity assessment

- 17:00-18:30 Panel 2  
**The innovation process: how do innovations come about?**  
 Chair: Adrian Smith
- Topics: Actors, networks, behaviour and innovation; functions in innovation systems
1. Anna Bergek, Chalmers University of Technology: A functions approach to assessing technological innovation systems
  2. Raphael Sauter, SPRU: Decentral innovations - micro generation diffusion in Germany and UK
  3. Barbara Praetorius, DIW Berlin: Central innovations: The example of CCS
- 19:00 Dinner & Socializing

### Wednesday, 28 November 2007

- 09:00-10:30 Panel 3  
**Innovation and consumer behaviour**  
 Chair: Martin Cames
- Topics: When and why do consumers take sustainable energy systems? How can they be motivated?
1. N.N.: Consumption Transitions for Sustainability (to be confirmed)
  2. Corinna Fischer, FFU: Consumers as Innovators: the role of pioneer consumers
  3. Mari Martiskainen, SPRU: Bringing the information home: the use of smart meters in the UK residential sector
- 10:45-12:15 Panel 4.1  
**Innovation policy and policy innovation: what can we learn from experience? ; Part 1**  
 Chair: Raphael Sauter
- Topics: Why and where is government policy required to foster innovation? How can it become effective and efficient? What can be learned from experience?
1. Jan-Peter Voss, Öko-Institut: Innovation in governance: patterns and dynamics in the development of policy instruments.
  2. Adrian Smith, Florian Kern, SPRU: Transition management in practice: lessons learned
  3. Dierk Bauknecht, Öko-Institut: Governance of innovation in electricity networks
- 12:15-13:30 Lunch

13:30-15:00 Panel 4.2  
**Innovation policy and policy innovation: what can we learn from experience? Part 2**  
Chair: N.N.

1. Jim Watson, SPRU: UK Innovation policy: should priorities be chosen?
2. Martin Cames, Öko-Institut: Emissions trading and innovation incentives in the German electricity industry – an empirical investigation
3. N.N.: Success and failure of policies for sustainable transformation in Germany

15:15-16:45 Panel 5  
**Policies for electricity system transformation: An agenda for the future**  
Chair: Jim Watson

1. Gordon MacKerron, SPRU: Policies for sustainable transformation / Critiquing the new Energy White Paper
2. Felix Matthes, Öko-Institut: Challenges for energy innovation policy with respect to transforming the German electricity system into a low-carbon system
3. Lutz Mez, FFU: Stakeholder dynamics and sustainable electricity in Europe

until 17:00 End of workshop

## Contact

### Programme

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### Registration / Organisation / Website

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