

Programme for the 2012 Annual TOP-NEST Seminar in Helsinki

The aim of this seminar is to discuss the first results of our project, how these results can be further improved and how they can be integrated with the other parts of our project to serve the main aim of the TOP-NEST project: to analyse how three renewable energy technology platforms: 1) electricity systems, 2) liquid and gaseous biofuels, and 3) hydrogen systems, may give rise to new value chains, creating entrepreneurial opportunities. We want to remind you on our main research questions:

1. What are the main path-dependencies and potential new value chains arising from the three technology platforms when applied in sustainable energy and transport systems?
2. What changes in organisational and institutional conditions are needed to facilitate sustainable transition pathways?
3. What are the governance implications, in terms of industrial strategies, public policy and public-private cooperation?

At present we are mainly focused on the first question but we can already start thinking about the second question at the seminar. Therefore we will discuss these first results from this perspective and not just from the perspective of the different work packages.

We invite our scientific experts advisory group to participate actively in the seminar with own presentations or with comments on the papers presented and to contribute in the discussion on the further development of the project. Background literature and papers to be presented should be circulated before the seminar.

The seminar venue is the Auditorium in VTT's building in Tekniikantie 2, Espoo.

October 11 2012

9:30–10:00	Registration
10:00–10:15	Welcome / Nina Wessberg (VTT) and Antje Klitkou (NIFU)
10:15–10:45	Biofuels for sustainable road transport: value chain analysis of Nordic biofuel production / <u>Simon Bolwig (DTU)</u> , Arne Fevolden (NIFU), Antje Klitkou (NIFU), Alexandra Nikoleris (Lund University), Juhani Laurikko (VTT)
10:45–11:15	Biofuels in road vehicles: value chain analysis of vehicle production / <u>Juhani Laurikko (VTT)</u> , N.N. (VTT)
11:15–12:00	Stakeholder involvement for facilitating transition processes / <u>Rob Weterings (TNO)</u>
12:00–13:00	Lunch break

- 13:00–13:30 Political framework conditions for the deployment of biofuel solutions in transportation / Dorothy Sutherland Olsen (NIFU), Antje Klitkou (NIFU), N.N. (VTT)
- 13:30–14:00 Biofuels for transportation – a modelling approach / Kenneth Karlsson (DTU)
- 14:00–14:30 Role of patents and standards for existing biofuel transportation solutions / Eric Iversen (NIFU), Simon Bolwig (DTU)
- 14:30–15:00 How to combine the technological innovation system approach with the Multiple level perspective / Bernhard Truffer (EAWAG / CIRUS)
- 15:00–18:00 Excursion to biofuel plant in Vantaa
- 19:00 Dinner at Hotel Radisson Blu Espoo, Otaranta 2 (Espoo)

October 12 2012

- 9:00–9:45 Energy future modelling – how can this be used in analysing transition pathways: experiences from the Nordic Energy Technology Perspective project / Kenneth Karlsson (DTU), Marie Münster (DTU), Tiina Koljonen (VTT)
- 9:45–10:30 Preliminary first results of WP4 – Nordic Society 2050 creating base for value chains of sustainable transport / Nina Wessberg (VTT), N.N. (??)
- 10:30–10:45 Break
- 10:45–12:15 How to continue from here?
- 12:15–13:00 Lunch and end of the seminar

All presentations should be planned in such a way that we have at least 10–15 minutes for discussion.