

System Dynamic Models of Coupled Natural-Social Systems
Bekkarvik, 22-26 June 2009
Bergen, Norway

This workshop was a joint ECF – GSD initiative

Agenda

Monday, 22nd June 2009

18:00 - 19:30	<i>registration</i>
19:30	<i>dinner</i>

Tuesday, 23rd June 2009

09:00 - 9:30	Ola M. Johannessen Ralph Dum Eva Britt Isager Kristian Lindgren Klaus Hasselmann	<i>welcome from Nansen Center welcome from the city of Bergen welcome from the EU ICT-FET programme welcome and introduction from GSD welcome and introduction from GSD and ECF</i>
9:30 - 10:00	Markus Brede, CSIRO	<i>Modelling competition for common pool resources in IAMs</i>
10:00 - 10:30	Tom Fiddaman, Ventana	<i>The C-ROADS project</i>
10:30 - 11:00	coffee	
11:00 - 11:30	Robin Hankin, Cambridge University	<i>Methods and results for summarising large-scale energy-environment-economy (E3) model responses for small-scale climate policy analysis</i>
11:30 - 12:00	Carlo Giupponi, Venice University	<i>Participatory modelling for climate change adaptation</i>
12:00 - 12:30	Luis Fernandez, Carnegie Inst., Stanford University	<i>Using agent based models to simulate biofuel policy scenarios and increase understanding of potential indirect land use and climate change effects in Brazil</i>
12:30 - 14:00	lunch	
14:00 - 14:30	Diana Mangalagu, University of S. Denmark	<i>Web-based approaches to community building and policy development in two regional sustainability cases: Project Zero (Denmark) and Sonoma County (US)</i>
14:30 - 15:00	Klaus Hasselmann, MPIIM and ECF	<i>MADIAMS – A Multi-Actor Dynamic Integrated Assessment Model System for the analysis of climate change policies</i>
15:00 - 15:30	Dmitry Kovalevsky, NIERSC	<i>MADIAMS 2.0: How the economic system can shift from climate-adverse to climate-friendly physical capital</i>
15:30 - 16:00	Frank Beckenbach, Kassel University	<i>Multi-agent modeling of economic dynamics in ecological applications</i>
16:00 - 16:30	coffee	
16:30 - 17:00	Kristian Lindgren, Chalmers University	<i>A simple energy system model - exploration of results and comparison with larger models</i>
17:00 - 17:30	Claes Anderson, Chalmers University	<i>Some surprises between herding and informed choice in agent populations</i>
19:30	dinner	

Wednesday, 24th June 2009

09:00 - 9:30	Cezar Ionescu, ECF & PIK	<i>Using types to specify programs</i>
9:30 - 10:00	Carlo Jaeger, ECF & PIK	<i>A community language for model specification</i>
10:00 - 10:20	Gunnar Eskeland, Norw. School Econ.&Bus.Adm.	<i>Political Feasibility and the role of institutions in games with nature</i>
10:20 - 10:40	Svetlana Tashchilova, Cambridge University	<i>Potential reduction in mitigation costs from multi-gas abatement: a meta- analysis based on EMF21 and other literature on GDP costs</i>
10:40 - 11:00	coffee	
11:00 - 12:00	Ralph Dum, EU, with subsequent discussion	<i>challenges and research agenda for modelling input to sustainability issues'</i>
12:00 - 13:30	lunch	
13:30 - 15:30	Boat trip	
15:30 - 16:30	Discussion	<i>Wrap-up of yesterday's and today's talks, agreement on afternoon and next day's programme</i>
16:30 - 18:00	Model details	<i>Individual presentations and discussions</i>
19:30	Dinner	

Thursday, 25th June 2009

09:00 - 11:00	Discussion, chair: Carlo Jaeger	<i>Straw-man proposals for possible joint research programmes</i>
11:00 - 11:30	coffee	
11:30 - 12:30	Discussion, chair: Tom Fiddaman.	<i>Continuation of straw-man proposals for possible joint research programmes</i>
12:30 - 14:00	lunch	
14:00 - 16:00	Discussion, chair: Klaus Hasselmann	<i>Wrap-up of joint-research proposals and agreement on future actions</i>
16:00 - 16:30	coffee	
16:30 - 17:30	Discussion, chair: Kristian Lindgren	<i>Future meetings? Publication of workshop proceedings? Any other business?</i>
19:30	Dinner	