

System Dynamic Models of Coupled Natural-Social Systems

Bekkjarvik 22-26 June 2009

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Kindly sponsored by:

- EU-FET programme (GSD networking project)
- SparebankenVest
- Nansen Scientific Society

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Purpose of the workshop:

- Develop suite of mutually supporting models based on system-dynamic paradigms (agent-based, evolutionary, etc) rather than the main-stream paradigm of general equilibrium theory

Motivation for new models:

1. The 2007 publications of the Stern Review and the IPCC 4th Assessment Report, together with the award of the Nobel Peace Prize to IPCC and Al Gore, have changed the climate debate from

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“Is it real?” to “What must we do?”

2. The global financial crisis and recession have demonstrated that main-stream general equilibrium models (on which most Integrated Assessment models have been based) are inadequate.

New macroeconomic models are needed that capture the dynamical processes that govern the transition from a fossil-based to a decarbonized economy.

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- Provide meta-analysis tools for jointly assessing the model suite, also in relation to traditional models
- Discuss possible options for continuing the cooperation originally planned in the CONNECT proposal

Preceding meetings and workshops

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- GSD-ECF Workshop, Venice, 2-4 April, 2009 (agent based modelling for sustain. develop.)

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1. How should the programme be funded?
2. How should we summarize the results of the workshop?
 - As a report (e.g. as an ECF working paper)?
 - As a book?

Other questions or comments?