

## **Brighton 2009: Integrated analysis of complex adaptive systems**

### **Description**

The title of the 4<sup>th</sup> summer school is 'Integrated analysis of complex adaptive systems'. It will take place from 15 June to 26 June 2009 and is organised by Andy Stirling and Sigrid Stagl, SPRU – University of Sussex, Brighton, UK.

The 4<sup>th</sup> THEMES summer school consists of keynote addresses, theoretical seminars, thematic seminars, and lab sessions. It emphasizes that sustainable development is a process of change rather than a static goal. Besides bringing together the various dimensions of sustainable development, the integrated analysis of complex adaptive systems also requires a deep understanding of the dynamics of technological and behavioural change. Theoretical and empirical presentations as well as hands-on work iterate between system-level and actor-level approaches.

Main topics covered:

- Co-evolution
- Socio-technical transitions
- Resilience
- Institutional change
- Behavioural change
- Evolutionary modelling
- Agent-based modelling
- Integrated appraisal

Keynote speakers include Professor Richard Nelson (Earth Institute, Columbia University, NY), Professor John Gowdy (Economics, Rensselaer Polytechnic Institute, NY) and Professor Peter Allen (Evolutionary Complex Systems, University of Cranfield).