



Third LaSyS Workshop - Programme

Land system science - Handling complex series of natural and socio-economic processes

Venue: Tune Kursuscenter
Date: October 25-26th 2007

This third LaSyS-workshop is evolving around three main themes. The first captures some of the main contemporary lines of thought in the international land system science community. The second addresses the issue of interdisciplinary approaches to land systems research, specifically how different cultures, agendas, success criteria, mutual interactions and meaning create (insurmountable?) challenges for land system science researchers. The third addresses how the role, importance and character of 'decision making' as a pivotal parameter in land system dynamics have changed.

Programme

Day 1: Thursday, October 25th

9:00-9:30 *Registration and coffee/tea*

9:30-9:45 **Opening address** (chair: Anette Reenberg)

Theme 1: Contemporary approaches to land systems science

Speakers in this session present – based on their broad experience – recent developments within land systems science and identify visions and future challenges for the land systems research community (chair: Bent Odgaard and Per Christensen)

9:45-10:15 **Sandra Lavorel** (Functional approaches to quantifying the response to land use change of multiple ecosystem service delivery. Université Joseph Fourier, France)

10:15-10:45 **Marie-José Gaillard** (Novel approaches to long-term reconstruction of past landscapes and land use as an aid to present and future landscape management. Kalmar University, Sweden)

10:45-11:00 Discussion

11:00-11:15 *Coffee/Tea Break*

11:15-11:45 Karlheinz Erb (Global human appropriation of net primary production: Population, affluence, technology, trade - and biodiversity. University of Klagenfurt, Austria)

11:45-12:15 Tom Veldkamp (Advances in Land Models. Wageningen University, The Netherlands)

12:15-12:45 Ruth DeFries (What the Bird's Eye View Does and Does Not Reveal about Land Systems. University of Maryland, College Park, USA)

12:45-13:00 Discussion

13:00-14:00 *Lunch break*

Theme 2: Interdisciplinarity in land systems science: different cultures, agendas, success criteria, mutual interactions and meanings

The presentations in this session places emphasis on challenges related to interdisciplinary land systems research. The presenters discuss - using examples from their individual disciplinary background – what they will require in terms of level of documentation and standards to confirm research hypothesis. The panel discussion focus on how to deal with the different disciplinary cultures, agendas, data standards, empirical demands and meanings (chair: Anette Reenberg)

14:00-14:20 Finn Arler (Interdisciplinarity - Why it is so difficult and yet so rewarding... Aalborg University, Denmark)

14:20-14:40 Kjeld Rasmussen (Land system science: Crossing the boundaries between the natural and social sciences. University of Copenhagen, Denmark)

14:40-15:00 Lowe Börjeson (Land systems science and history. Stockholm University, Sweden, University of Dar es Salaam, Tanzania)

15:00-15:15 *Coffee/Tea break*

15:20-15:40 Eric Lambin (Land change and infectious diseases: the emerging discipline of spatial epidemiology. Université de Louvain, Belgium)

15:40-16:00 Jakob Magid et al. (Thinking outside the box ... – 10 years of practical experiences in interdisciplinary education and research. University of Copenhagen, Denmark)

16:00-17:00 Panel discussion (all speakers from the afternoon session)

Key questions

- *What make sense to different sciences and different stakeholders?*
- *Puzzle solving or problem solving?*

17:00-17:30 **Short oral presentation of posters** (chair: Jakob Magid)

18:00-19:30 *Dinner*

19:30- **Poster viewing**

Day 2: Friday, October 26th

Theme: Strategic management goals and valuation of landscapes

(chair: Jørgen E. Olesen and Finn Arler)

9:00-9:30 **Frank Ewert** (Managing land use in Europe under changing climate and market conditions. Wageningen University, The Netherlands)

9:30-10:00 **Vivian Kvist Johannsen** (Management and forests in landscapes - the biofuel production case. University of Copenhagen, Denmark)

10:00-10:15 **Discussion**

10:15-10:30 *Coffee/Tea Break*

10:30-11:00 **Jannick Schmidt** (LCA as a means to assess land use implication of new production priorities. Aalborg University, Denmark)

11:00-11:30 **Ole Hjort Caspersen** (Effective Governance for Sustainability - Landscape Character Assessment at the Municipality level in Denmark. University of Copenhagen, Copenhagen, Denmark)

11:30-12:00 **Jesper Fredshavn** (Indicators and methods to assess biological qualities. Danish Environmental Research Institute, Denmark)

12:00-12:15 **Discussion**

12:15-13:15 *Lunch break*

13:15-13:45 **Danish Land Systems Science – today and in the future?** (chair: Kjeld Rasmussen)

13:45-15:00 **Discussion groups: future research collaboration**

15:00-15:15 **Concluding remarks by the organising committee** (chair: John R. Porter)