

This workshop is a joint effort between the departments of Archaeology and Ancient History, Social and Economic Geography and SALT. The workshop introduces a seminar series dedicated to the analysis of complex social and natural systems. It is aimed at students and researchers interested in interdisciplinary science, landscape perspectives and GIS methodology. The workshop and the seminar series are framed by the *Rethinking Human Nature* initiative, which aims to develop humanistic cross-disciplinary research with a focus on GIS and landscape.

### Aim and Purpose

In the spring 2013 the RHN seminar will address the ways the landscape and GIS methodology can contribute to our understanding of features constituted in entirely different time-space-scales; the history and geography of human activities, which are guided by perceptions, choices and circumstances on a predominantly small scales, seen in relation to physical and biological processes of the environment that occur at very different temporal and spatial scales. The school of thought that addresses these dynamics is often referred to as *Complex Systems Thinking*.

The seminar series will be introduced with a day of inspirational lectures on complex system dynamics of socio-natural systems. The introduction will function as a conceptual background to the spring semester's continuing RHN seminars and related workshop activities. The objective is that each participant of the seminar series will be able to address "complexity" in landscape in the end of the semester.

The invited lecturers have all contributed significantly to our current understanding of the nature of complex systems:

**Professor Carole Crumley** is Visiting Professor at the Centre for Biodiversity, Swedish Agricultural University (SLU), Uppsala and at the Dept. of Archaeology and Ancient History. Furthermore she is the Research Director, of the Integrated History and Future of People on Earth (IHOPE).

**Professor Paul Sinclair** is professor at the Dept. of Archaeology and Ancient history, African and Comparative Archaeology.

**Professor Lars Rönnegård** is professor of statistics at Dalarna University Borlänge, where he is part of the research group on Microdata Analysis and Complex Systems.

**Dr Nick Winder** is Principal Research Associate Institute for Policy & Practice at Newcastle University and participates in the EU funded project COMPLEX on the transition to a low-carbon economy.

Time and date: 27 February, 10:00-17:00. A detailed schedule will be announced later.

Venue: Engelska Parken 6/0031 (am) and 2/0076 (pm)

We have a limited number of seats. The application deadline for participation in the workshop is 20/2 and should be addressed to: [Kim.vonhackwitz@arkeologi.uu.se](mailto:Kim.vonhackwitz@arkeologi.uu.se)

or submitted on SALT:

<http://www.salt.engelskaparken.uu.se/ViewPage.action?siteNodeId=20235&languageId=1&contentId=-1&eventId=5229>

Welcome!

Kim von Hackwitz, Karl-Johan Lindholm and Peeter Maandi