

The Stockholm Seminars

- focusing on the dynamics and stewardship of social-ecological systems

Climate, Ecosystems and Development

Thursday April 30, 2009, 10.00-13.00

The Beijer Hall, the Royal Swedish Academy of Sciences,
Lilla Frescativägen 4, Stockholm

The global challenges of climate change, ecosystem management and human welfare are interlinked. In the end human development is dependent on services from healthy ecosystems, which are being eroded by climate change. The interaction between climate and ecosystems are complex, yet the climate issue in itself may be more complex than the IPCC has been able to cope with. Glaciers are one area where complexity issues like tipping points, risk assessment, and risk management is studied and evaluated. Given this complexity of ecosystems and climate: can we understand enough to allow for development, like achieving end of hunger and malnutrition? And what are the possibilities that these complex issues will be addressed at the climate change world summit in Copenhagen (COP 15) in December?

Questions: Christina Schaffer christina.schaffer@stockholmresilience.su.se

Registration: Christina Leijonhuvud, Chris@beijer.kva.se, by April 27th

This seminar is the 100th in the series of Stockholm Seminars. Through collaboration between Stockholm-based research-institutes focused on sustainability, and Albaeco, visiting researchers are invited to give an open lecture at the Royal Swedish Academy of Sciences. Since the first Stockholm Seminar with Jill Jäger in August 2000 there has been a great range of distinguished researchers passing through the Royal Swedish Academy of Sciences. This day we will celebrate the 100th seminar linking the three great challenges our societies' face.



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Programme:

- 10:00 **Welcome**, Moderator: Louise Hård af Segerstad, Albaeco
- 10:10 **Introduction: Why climate change also is about development and human well being**
Johan Rockström, Professor and Director, Stockholm Resilience Centre, Stockholm University
- 10:20 **Ice sheets in a warming climate - mechanisms, impacts, and time perspectives**
Johan Kleman, Professor and Director, Bert Bolin Centre for Climate Research, Stockholm University
- 10:40 **Future challenges for the IPCC**
Michael Oppenheimer, Professor, Princeton University
- 11:00 Coffee break
- 11:30 **Why developing countries should care about mitigation**
Thomas Sterner, Professor, Dept. of Economics, Göteborg University
- 11:50 **Interrelationships between the ecosystems and climate systems – complexity and tipping points**
Carl Folke, Professor and Science Director, Stockholm Resilience Centre, Stockholm University
- 12:10 **Comments from Lars Erik Liljelund, Director General, Prime Minister's Office, responsible for Climate Change and The Baltic Sea**
- 12:20 -13:00 **Open Discussion**