



Climate Variations in Sweden During the Past 2000 Years

Climatic variability, environmental change, and cultural response

Uppsala University, Dept. of Earth Sciences, Villavägen 16
October 20 - 21, 2003

Organizing committee:

Elisabeth Almgren (UU), Anders Omstedt (GU), Barbara Wohlfarth (SU),
Hans Linderholm (SU), Marcus Meier (SMHI)

Program

9.30 - 10.30 **Coffee and Registration (registration fee 300 kr. – cash, please)**

10.30 -10.40 Elisabeth Almgren: Welcome, aims and objectives of workshop

Chairperson: Elisabeth Almgren

Reporter: Markus Meier

10.40 – 11.10 Presentation of workshop participants

11.10 – 11.30 Hans von Storch and Beate Muller: "Simulation of the Late Maunder Minimum with global and regional climate models."

11.30 – 11.50 Markus Meier: "The Baltic Sea as integrating climate indicator"

11.50– 12.10 Anders Omstedt, Youmin Chen and Christian Pettersen, GU:
"Using ice proxy time series and circulation indices for understanding past climate of the Baltic Sea"

12.00 – 13.20 **Lunch**

Chairperson: Barbara Wohlfarth

Reporter: Markus Meier

13.20 – 13.40 Round table discussion: Needs for reconstruction and criteria for evaluating these ?

13.40 – 14.00 Anders Moberg: "The importance of establishing a Swedish climate proxy data base."

14.00 - 14.20 Anders Moberg, Markku Rummukainen & Barbara Wohlfarth:
"Towards a 2000-year climate reconstruction for Sweden: integration of proxy data, instrumental data and climate modelling."

14.20 – 14.40 **Coffee break**

- 14.40 – 15.00 Karin Antonsson: "Late-Holocene annual mean temperature changes in central Sweden: Quantitative reconstructions based on pollen."
- 15.00 – 15.20 Siwan Davies: "Constructing age models for lake sediment sequences spanning the last 2000 years : Two case studies from west central Sweden"
- 15.20 – 15.50 Round table discussion: Swedish climate proxy data base
- 15.50 – 16.00 **Short break**
- 16.00 –16.20 Ninis Rosqvist: "Are high resolution lacustrine oxygen isotope records useful climate archives?"
- 16.20 – 16.40 Håkan Grudd: "Multi-proxy dendroclimatology in northern Fennoscandia"
- 17.00 - **Reception with sandwiches, wine, and beer**

Tuesday October 21, 2003

Chairperson: Anders Omstedt,

Reporter: Hans Linderholm

- 09.00 – 09.20 Lars Barring: "Long-term environmental impact of strong wind episodes, data and models"
- 09.20 – 09.40 Hans Linderholm: "Reconstruction of precipitation and draught in southern Sweden"
- 09.40 – 10.00 **Coffee break**
- 10.00 – 10.20 Igor Drobyshev: "Two climate proxies seems better than just one: testing for anthropogenic influence on fire regime in a boreal region"
- 10.20 – 10.40 Round table discussion
- 10.40 – 11.20 Claes Tollin: Historical source material relating to landscape studies
- 11.20 – 11.40 Elisabeth Almgren: Medieval agricultural expansion – an example from eastern Småland
- 11.40 – 13.00 **Lunch** Restaurant Blå
- 13.00 – 13.30 Johan Engström: Historical source material in Krigsarkivet, Stockholm
- 13.30 – 13.50 Karin Holmgren: "Climate change during the past millennium and implications for societal development. Examples from Southern and Eastern Africa"
- 13.50 – 16.00 Joint efforts and further cooperation among workshop participants. Next meeting. Reporters summary.