1st IPY workshop on sustaining Arctic Observing Networks

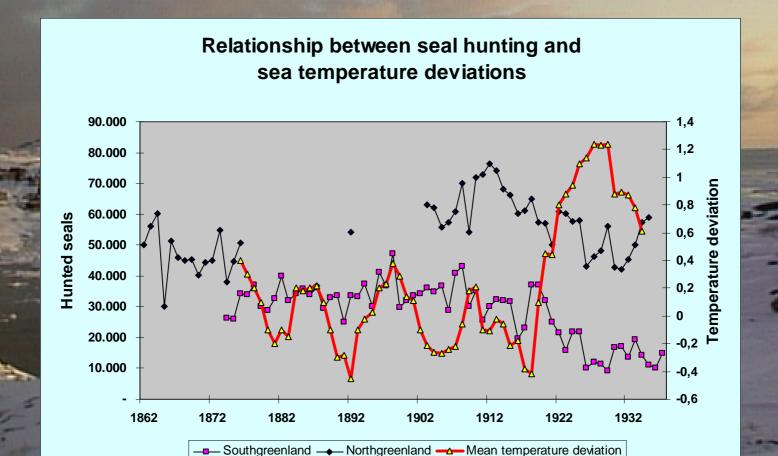
Observing and managing economic and social change

Rasmus Ole Rasmussen

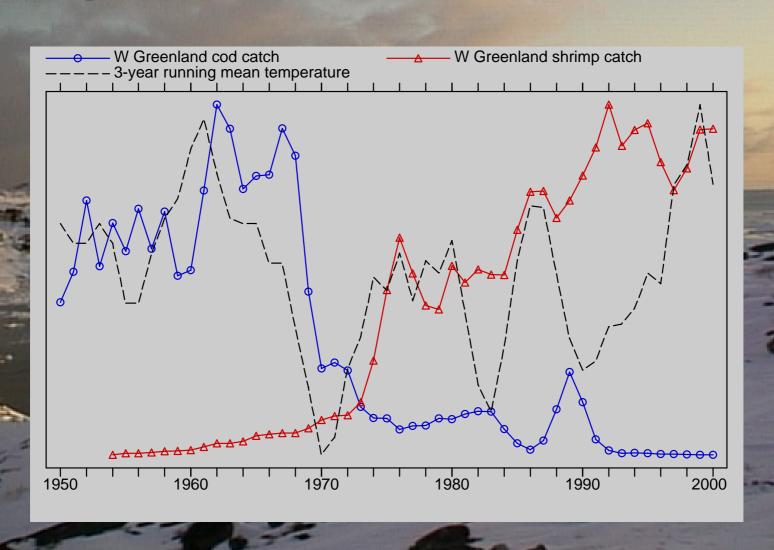
Nordregio – Nordic Centre for Spatial Development, Stockholm

NORS – North Atlantic Regional Studies, Roskilde University

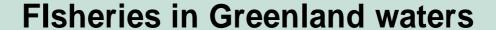
Changing seal hunting, Greenland

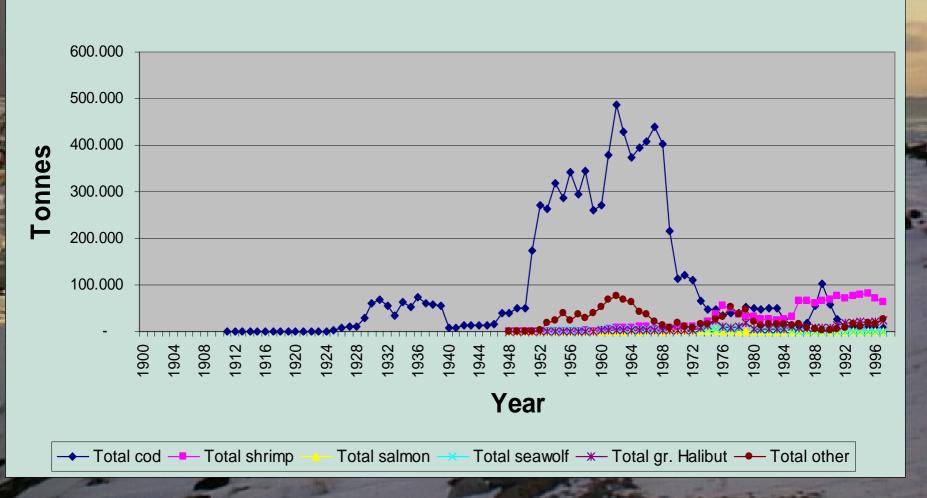


Temperature / Catch relationship

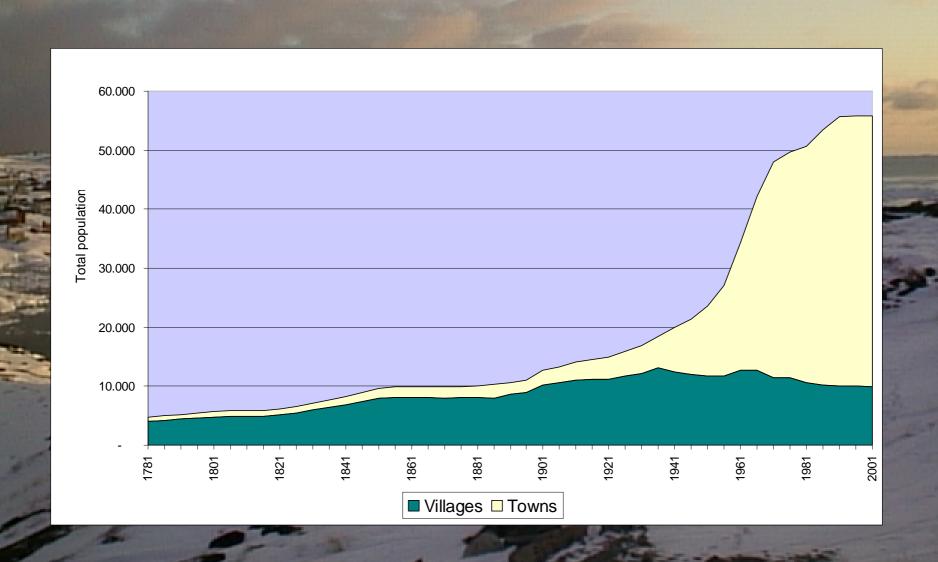


Fisheries in Greenland waters

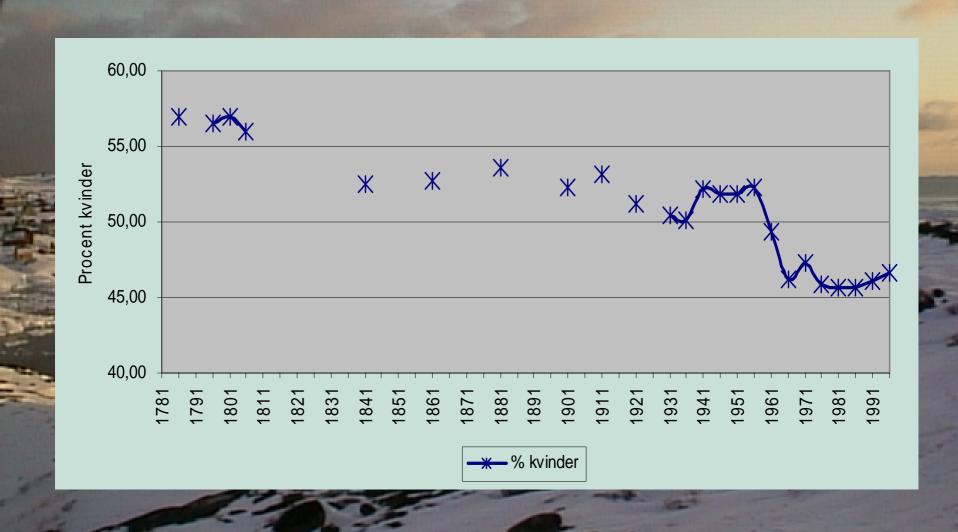




Settlement Structure



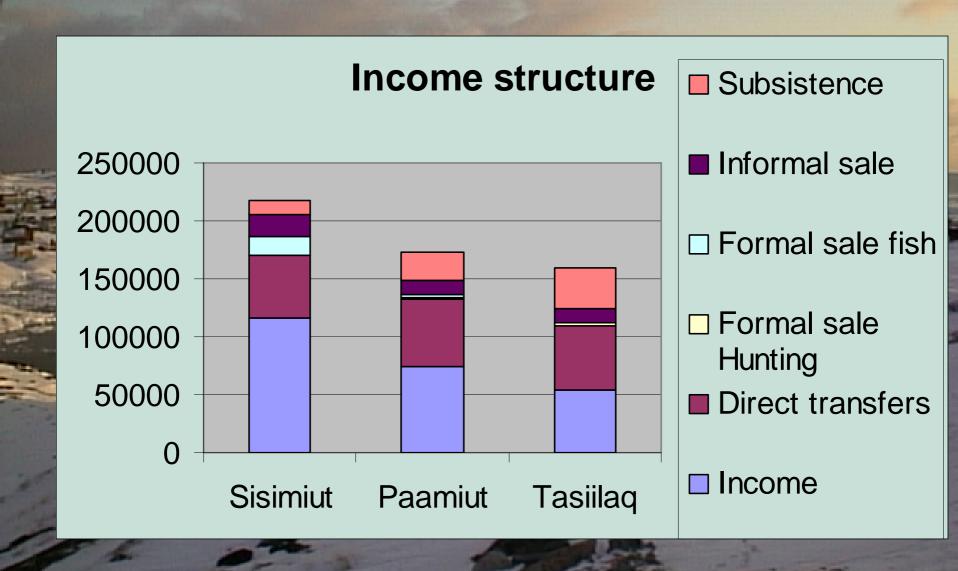
Gender distribution



Time series data

- Short term data:
 - Misinterpret ongoing changes as unique
- Long term trends:
 - Limited understanding of the role of specific events
- Both:
 - Differences between event driven and process driven changes

Income structure







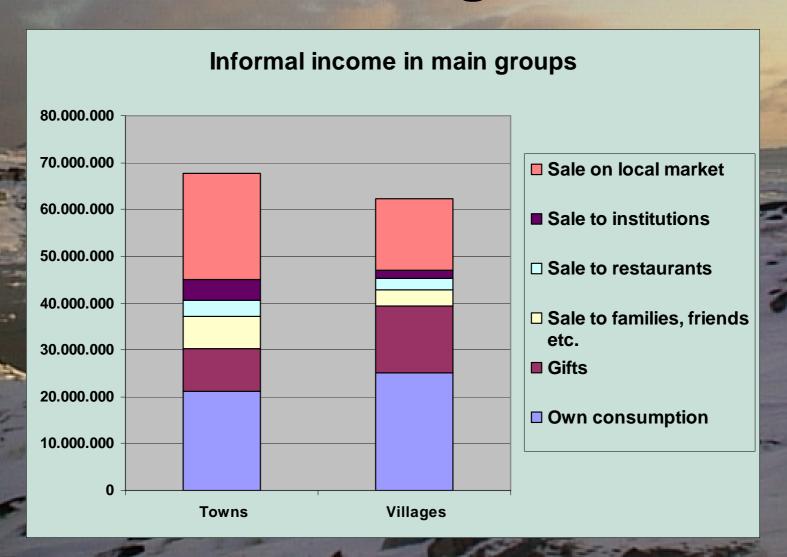








Informal economy in towns and villages

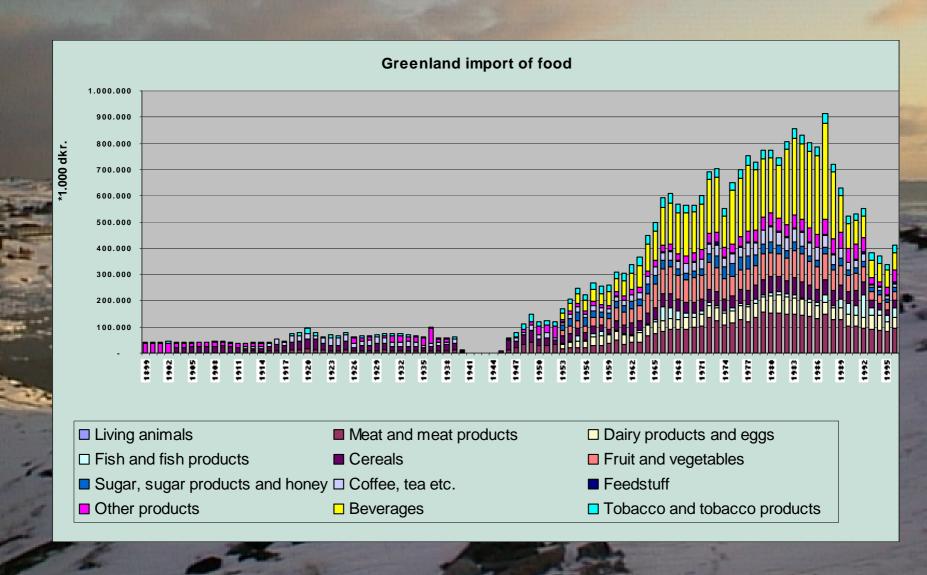


Scale problems

- Highly aggregate data:
 - Disguising local/regional variations but showing overall/common trends
- Detailed data:
 - Disguising differences but showing the role of events and individuals
- Both:
 - Understanding social and economic processes in TIME and in SPACE

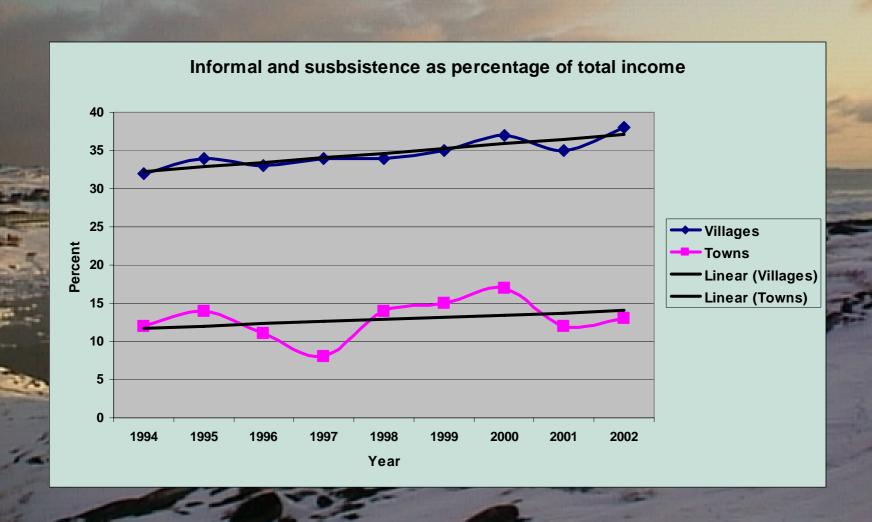


Food-security



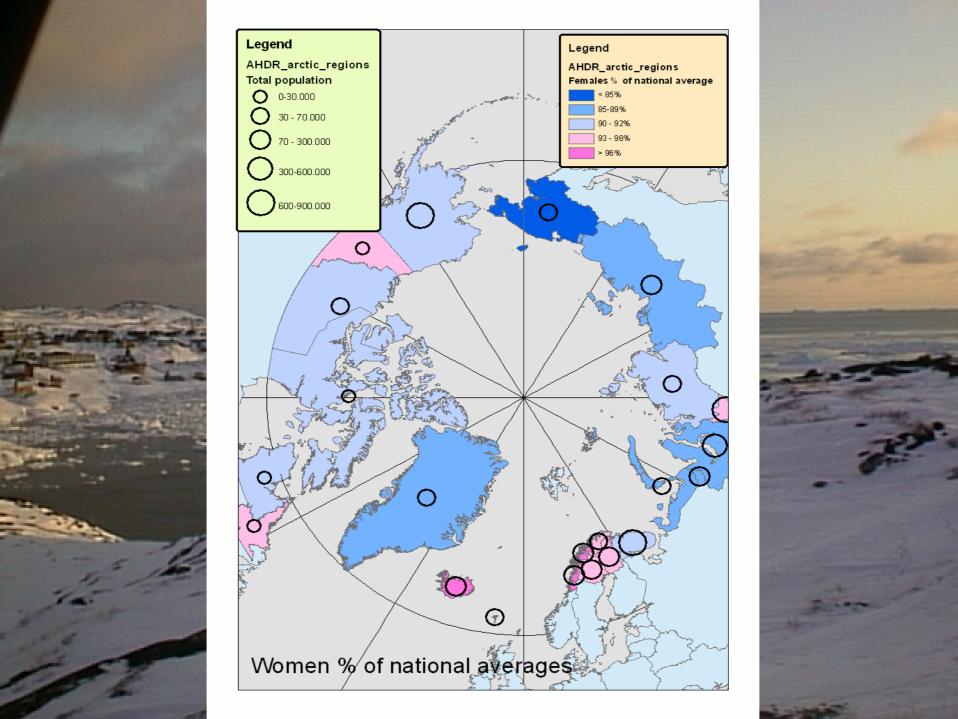


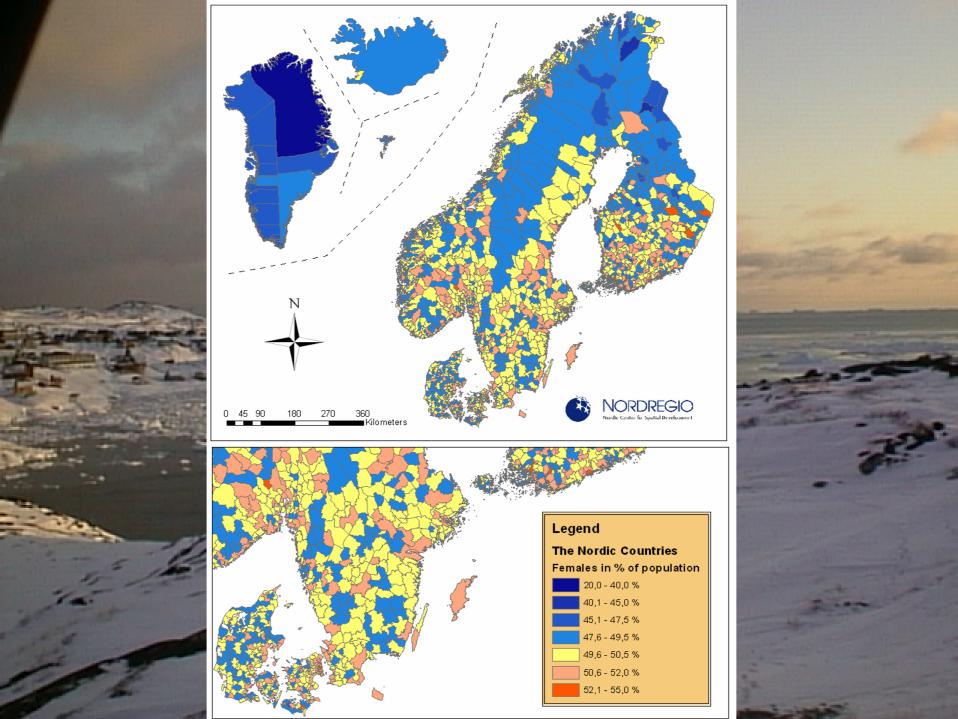
Formal/informal incomes



Data access

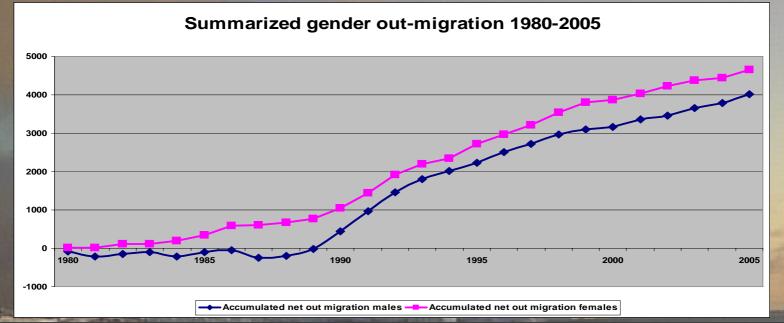
- One and two dimensional data:
 - Assumed relations, confirming or rejecting assumptions.
 - Theory and Paradigm driven analysis.
- Multiple dimensional data:
 - Unexpected relations, opening up for new theories, and even new paradigms
- Active data = data which can be put together in new ways
 - Relational databases.

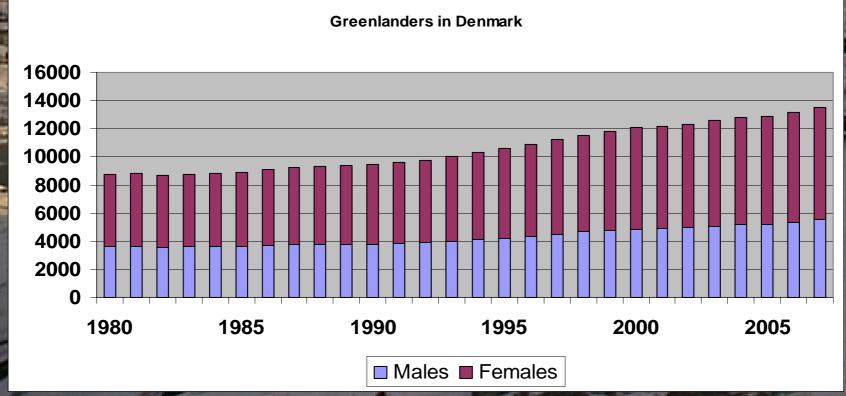










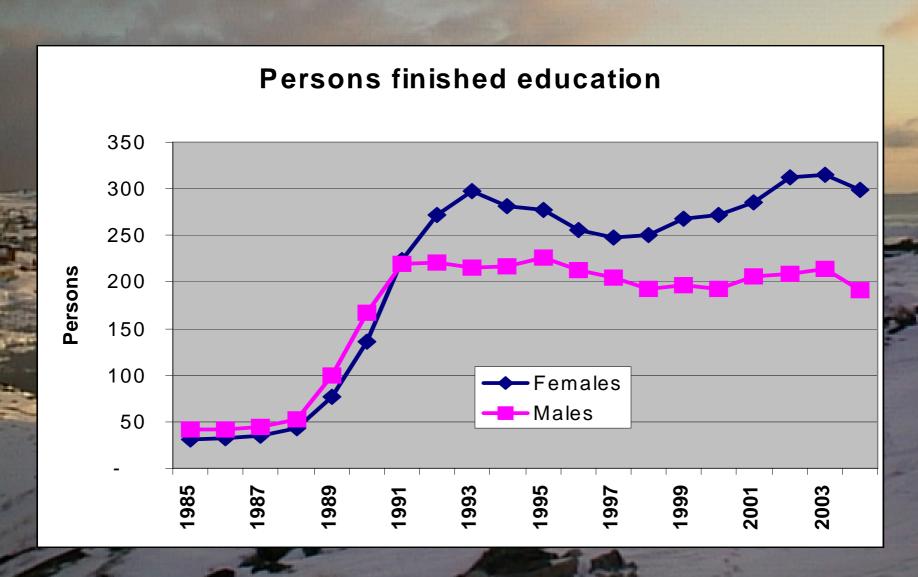




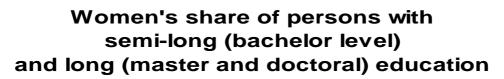
Qualities / Quantities

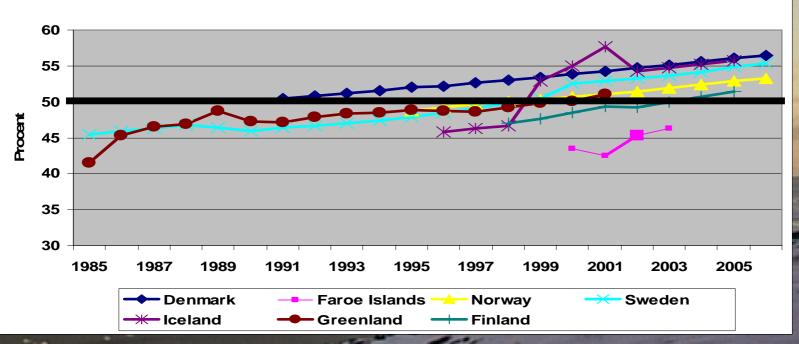
- Qualities:
 - Reflecting perceptions, experiences, perceived driving forces
 - Perceived or communicated rationales
- Quantities:
 - "Don't look at their lips, look at their hands" – showing what is actually done
 - Lived rationales

Education

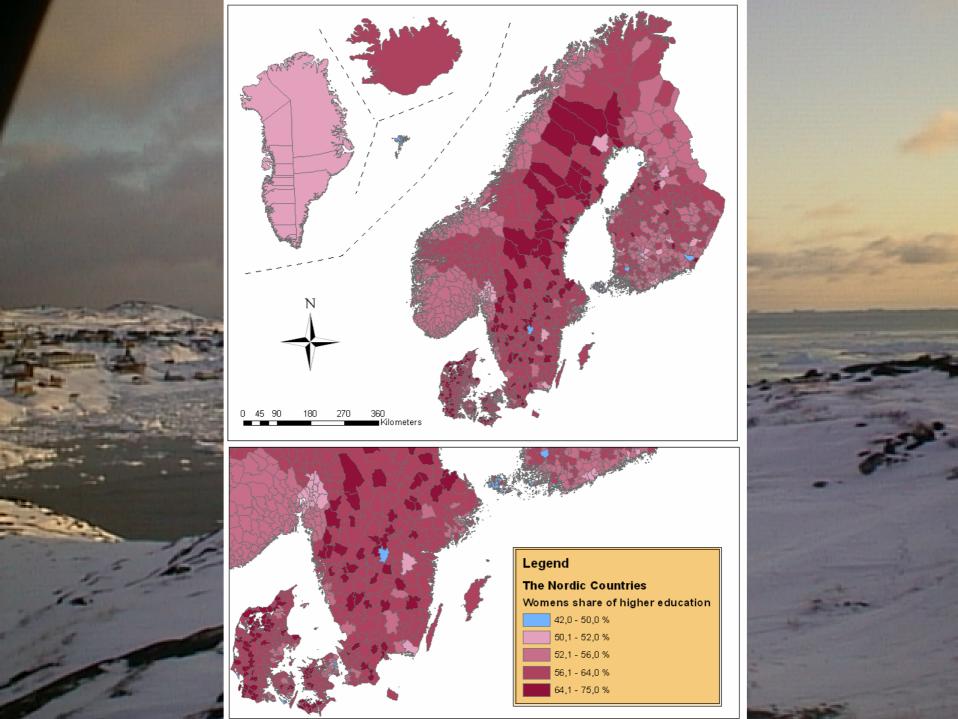








In a globalised knowledge economy, education has become a crucial assett. In the Nordic Countries men are still dominating the research arena, but during the last20 years women have surpassed men in relation to general level of education. And it has had marked regional consequences:



Contemporary dynamics

- Biased focus:
 - Paradigm driven
 - Path dependency
 - Data driven analysis
 - Given framework dependency
- Problem based:
 - Response to real-world problems
 - Unexpected relations
 - User driven analysis
- Indicators

Why OBSERVING and MANAGING?

- Analyzing
 - Interaction with stakeholders
- Registration
 - Getting access to information otherwise un-accessible
- Reaction
 - Immediate response regarding both quality and usefulness of data

