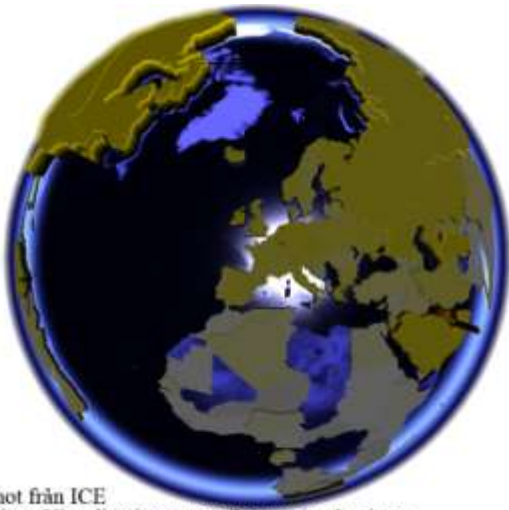




Several CSPR-events at COP15 in Copenhagen

Centre for Climate Science and Policy Research, CSPR will organize and participate in several events at coming COP15 meeting in Copenhagen. Welcome to <http://www.cspr.se> for more information.



Screenshot från ICE
Norrköpings Visualiseringscenter/Interactive Institute

Side Event at the European Environment Agency Interactive Climate Visualization

Dec 10 at 14:00-16:00

CSPR will organize a Side Event at the European Environment Agency downtown Copenhagen. The seminar will be organized as an interactive discussion on the potentials and challenges of climate visualization, including several examples of ongoing visualization projects such as WorldView, ICE, Global Adaptation Atlas and Get Online. The participating researchers and climate experts from the CSPR, SMHI, Chalmers and Resources for the Future will present results and experiences from climate visualizations for decision theatres, pedagogic applications as well as political and public debates.

Exhibit at Bella Centre

World View – New ways of visualizing climate

Dec 10, 11, 15 & 16 (Hall H)

Researchers from the CSPR will present results from the WorldView Project at COP 15 together with colleagues from the Swedish Meteorological and Hydrological Institute (SMHI) and the Norrköping Visualization Centre. We will discuss sea level rise and effort sharing principles underpinning climate adaptation and mitigation scenarios. The presentation moves from the local to the global scale and is based on state of the art interactive visualization techniques and data sets from SMHI and CSPR research, as well as a number of emission scenario models (CAIT, C-Roads)

Please see www.cspr.se for information also on
**Visualizing climate change with focus on the
Arctic environment
and
Clipore programme research study**

Chronicle by Anna Jonsson

Living in the Linköping-Norrköping region, it is difficult to avoid the many airplane enthusiasts drawn here, either permanently as employees at SAAB AB or the aviation authority as an employer, or more occasionally to visit the Swedish Airforce Museum. In the latest issue of the ÖFS (Östergötlands Flighthistoric Society) membership bulletin, the years ahead are described as extraordinarily exciting. Aviation in Sweden is celebrating a range of 100 year jubilees (e.g. first flight in Sweden, first flight by a Swede, first flight in a Swedish built machine). The glowing enthusiasm for aviation and for the technical and mechanical solutions that make it possible shared by so many is unmistakable.

At the same time passenger and freight air transports are increasing steadily. Researchers at CSPR contribute to this trend; meeting and sharing ideas and research results with colleagues around the world is after all the essence of what we do. The negative effects on greenhouse gas emissions are of course, disastrous. Passenger air will be included in the EU Emissions Trading Scheme (EU ETS) starting 2012. Even though this may not counteract the general trend of increased transport of goods and people longer and longer distances, it will, however, force air transport to take the same responsibility as other greenhouse intensive sectors. It is possible to reduce emissions with the same transport volumes. Already existing technical solutions, like building airplanes from light carbon fibre materials and installing new engine technology like the geared turbo fan (which is 20 % more efficient in terms of fuel use/km) will undoubtedly come increasingly into use when the cost of using fossil fuel is higher for the sector. Optimizing fuel economy by using Continuous Descend Approaches ("Green approaches") has the potential of even further reducing fuel use, when a price tag on flight emissions becomes a reality.

While waiting for passenger air to be fully included by EU ETS, CSPR has decided to take a step forward on our own. In September, our Board formally adopted the CSPR's environmental travel policy. The Policy contains three steps to reduce the negative climate impact of our professional activities: 1) reduce the amount of travel, 2) reduce the emissions from necessary travels, and finally, 3) offsetting the remaining fossil fuel-based journeys. While waiting for civil aviation to take the last steps towards becoming a modern business sector, it is now up to us to find routines to implement our internal policy in an adequate manner!

Anna is senior researcher at CSPR. Her research focuses on institutional and participatory aspects of natural resource management remedy implementation.



Recent publications

CSPR Reports

Lövbrand E, Linnér B, Ostwald M. Climate Science and Policy Research Conceptual and Methodological Challenges. Linköping: Centrum för klimatpolitisk forskning; 2009. CSPR Report, 09:03.

Neset T, Johansson J, Linnér B. State of Climate Visualization. Linköping: Linköping University Electronic Press; 2009. CSPR Report (Centrum för klimatpolitisk forskning), 09:04.

Articles

Bishop K, Beven K, Destouni G, Abrahamsson K, Andersson L, Johnson R, et al. Nature as the "Natural" Goal for Water Management : A Conversation. *AMBIO*. 2009;38(4):209-214.

Lövbrand E. Revisiting the politics of expertise in light of the Kyoto negotiations on land use change and forestry. *Forest Policy and Economics*. 2009;11(5-6):404-412

Ostwald M, Wibeck V, Stridbeck P. Proximate causes and underlying driving forces of small-scale farmers' land-use change – illustrations from the Loess Plateau, China. *Journal of Land Use Science*. 2009;4:157-171.

Wilk J. How do researchers view the role of local knowledge in natural resource management?. *Common Ground; International Journal of Environmental, Cultural, Economic and Social Sustainability*. 2009;5(3):25-36.

Upcoming report

The research-report "Risks, vulnerability and adaptation to climate variations and change in Östergötland" by *Madelaine Johansson, Mattias Hjerpe, Louise Simonsson* and *Sofie Storbjörk* (in Swedish) will be published in December. As an important step towards deepened studies in the region, the report outline how the 13 municipalities of Östergötland view, prioritise and deal with climate risk and vulnerability as well as what drives and restricts further action.

New research funding

SIDA funds the project "Trees, carbon and groundwater. Trade-off or synergy in local adaptation to climate change in the semi-arid Tropics?" *Madelene Ostwald* (CSPR) is one of the project researchers together with researchers from Umeå University, Gothenburg University and researchers from Burkina Faso, Costa Rica and Honduras.

European Commission Directorate General for Transport and Energy (DG TREN) is funding a research project regarding 'Support activities for the development of baseline data and methodology for reporting requirements for biofuels' headed by EcoFys and including researchers from Winrock, Agra CEAS, IIASA and Chalmers/CSPR. *Madelene Ostwald* and *Sabine Henders* are involved from CSPR.

Visualization at EU meetings

CSPR has presented research using climate visualization at two EU-meetings: the Informal EU Ministerial Meeting of Ministers of Energy and Environment in July and the "Eco-efficient Economy – Towards Innovative and Sustainable Competitiveness" hosted by the Ministry of Energy and Enterprise in November.

Stakeholder-dialogues with local politicians

On the 29th of October, several researchers from CSPR presented their research and engaged in stakeholder-dialogues and exercises with local politicians and officials from Östergötland at the CKS Municipality Meeting 2009. *Björn-Ola Linnér* gave a speech on Kyoto, Copenhagen and the future. *Mattias Hjerpe* and *Sofie Storbjörk* presented results from a regional study on risks, vulnerability and adaptation in Östergötland. Two of the afternoon-workshops were led by CSPR-researchers, one on risk and vulnerability assessments (*Mattias Hjerpe* and *Louise Simonsson*) and one on barriers and opportunities in climate adaptation (Anna Jonsson and Sofie Storbjörk). The meeting, held in Valdemarsvik, attracted 70 participants. Read more on CSPR workshops at www.cspr.se

Updates on CSPR staff

For their research achievements *Julie Wilk* and *Victoria Wibeck* received docentship within Water and Environmental Studies.

Professor Björn-Ola Linnér received the Junior Faculty Prize (Linköping University) for sustainable research environment.

New co-workers



Katarina Buhr
Post doctoral researcher in International Climate Policy



Jimmy Johansson
Researcher in Climate Visualization Project



Sabine Henders
PhD Student at Water and Environmental Studies/CSPR in Forest Issues and Climate



Martin Karlsson
Research assistant on Climate Visualization and Land Use Change



Steven Sarasini
Lund University Guest researcher at CSPR November 2009



Edward Gardiner
NOAA, USA Guest researcher at CSPR September 2009