

IRIS GROSSMANN

Climate Decision Making Center, Engineering and Public Policy,
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PROFESSIONAL INTERESTS

- Climate change, global change and regional impacts.
- Tropical cyclones and the impacts of climate change on tropical cyclones.
- Institutional, economic and societal responses to climate and global change.
- Natural Capitalism and sustainable regional development.
- Systems Theory and System Dynamics modeling.

EDUCATION

- Dec 2005 Ph.D. in Geosciences/Meteorology, University of Hamburg and International Max Planck Research School on Earth System Modeling (IMPRS), Hamburg, Germany.
Thesis: “Future Perspectives for the Lower Elbe region 2005-2030: Climate trends and Globalization”.
Thesis advisors: Prof. Dr. Hans von Storch, Prof. Dr. Carlo Jaeger. Panel Chair within the IMPRS: Prof. Dr. Guy Brasseur.
- Nov 2001 Diplom (German graduate degree) in Mathematics, University of Hamburg.
Thesis: Root decompositions and local systems of locally finite simple Lie Algebras. Minors: Applied mathematics, physics, operations research.

PROFESSIONAL EXPERIENCE

- Feb 07– Present Climate Decision Making Center, Dept. of Engineering and Public Policy, Carnegie Mellon University, Pittsburgh PA, US: Postdoctoral research fellow.
Research: Climate change impacts on the US insurance industry and strategies of response.
- Aug 06– Institute of Coastal Research, GKSS Research Center, Geesthacht, Germany:
Jan 07 Postdoctoral Researcher.
Research: Survey on stakeholders’ views of climate change and socio-economic change processes at the German North Sea and Baltic coast.
- Oct 06– University of Kiel, Masters Program in Environmental Management: Lecturer.
Jan 07 Lectures within courses “Advanced Ecosystem Analysis in Environmental Management” and “Project Management and Supporting Tools”.
- March 06– Institute of Social Ecology, Faculty for Interdisciplinary Research and Education,
July 06 University Cooperation Klagenfurt/Vienna/ Graz, Austria: Visiting Lecturer.
Graduate/PhD course “Integrated and participatory methods in Social Ecology”.

- Jan 06– Institute of Coastal Research, GKSS Research Center, Geesthacht, Germany:
July 06 Research Associate.
- Research and publication: The role of critical uncertainties and discontinuities in scenario development for the investigation of global change processes.
 - Research and publication: Development perspectives for Hamburg as a port city in the context of global change.
- Feb 02– Institute of Coastal Research, GKSS Research Center, Geesthacht, Germany:
Sept 05 Assistant Scientist.
- Research: “Future Perspectives for the Lower Elbe region 2005–2030: Climate trends and Globalization”.
 - Participation in other multidisciplinary projects (System Dynamics modeling, scenario development).
- Feb 99– CSC Inc. German Headquarters, Dept. Business profile & culture, Kiedrich,
Feb 02 Germany: Assistant to department head Jürgen Fuchs (part-time position).
- Assistance in conducting consulting workshops for CSC clients.
 - Assistance in the workshop series of the internal reorientation project “Columbus” of CSC Germany.
 - Completed training in workshop facilitation at the CSC Academy, Hamburg.
- Sept 00– ArtStor Inc., Hamburg, Germany: Software developer (part-time position).
July 01 Development of the communication structure for a graphical interface for the operation of Raid-controllers in Java (Linux and Windows).

PUBLICATIONS

Grossmann, I., Woth, K., Storch, H.v., 2007 Localization of global climate change: Storm surge scenarios for Hamburg in 2030 and 2085. *Die Küste* 71, pp. 169-182.

Grossmann, I., 2007. Critical and strategic factors for scenario development and discontinuity tracing. *Futures* 39, pp. 878-894.

Grossmann, I., 2007. Perspectives for Hamburg as a port-city in the context of a changing global context. *Geoforum* (accepted with minor revisions).

Grossmann, I., 2006. Three Scenarios for the greater Hamburg region, *Futures* 38 (1), pp. 31-49.

Grossmann, I., 2006. Future perspectives for the Lower Elbe Region 2005-2030: Climate trends and globalization. Dissertation within the Institute of Coastal Research at GKSS Research Centre, the International Max Planck Research School on Earth System Modelling, and the University of Hamburg. *GKSS Report* 2006/7.

Technical publications:

Grossmann, I., 2004. Modeling socio-economic change and its consequences for the environment-economy-interrelationship. Proceedings of the summer school IRISEN-II (Integrated Regional Impact Studies in the European North).

Bray, D., Hagner, C., **Grossmann, I.**, 2003. Grey, Green, Big Blue: three regional development scenarios addressing the future of Schleswig Holstein. *GKSS-Report 2003/25*, GKSS Research Center.

TEACHING EXPERIENCE

- University of Kiel, Masters Program in Environmental Management, Fall 2006: Lecturer.
- University Cooperation Vienna/Klagenfurt/Graz, Institute of Social Ecology, Spring 2006: Visiting Lecturer.

ORGANIZED WORKSHOPS

Forum Zukunft Untere Elbe. 21st November 2003, GKSS Research Centre, Geesthacht, Germany:

- Selection and invitation of speakers and participants.
- Workshop-preparation.
- Moderation of discussion forum on regional future perspectives and agri-environmental policies.
- Evaluation of results for publication.

HONORS AND MEMBERSHIPS

- High school: Best Abitur (qualification for University entrance) results achieved at the Rudolf-Steiner School Hamburg-Bergstedt, Germany until 1995.
- Suggested for the Deutsche Studienstiftung (German National Academic Foundation).
- Member of the International Center for Climate and Society, University of Hawaii at Manoa.

LANGUAGES

German and English: fluent. French: good working knowledge. Tibetan: basic knowledge.