

Curriculum Vitae

Klaus Eisenack

Potsdam-Institute for
Climate Impact Research
Telegrafenberg C4
14473 Potsdam
Germany
Phone: +49-331-288 2625
Email: eisenack@pik-potsdam.de

Home Address:
Brandenburger Str. 33
14467 Potsdam

Working Experience

- Dec. 2003 – Jan. 2004: Guest researcher within the EU Research Training Network HPRN-CT-2002-00281 at CREA, Ecole Polytechnique, Paris: Analysing Influence Diagrams by Linking Qualitative Dynamics and Viability Theory.
- since 2001 PhD student at the Potsdam Institute for Climate Impact Research (PIK). Research interests: Qualitative modelling, Viability theory, Management of natural resources (esp. fisheries) and modelling of decision-making in associated institutions, syndrome research, games on global change.
- 1999-2001 Student assistant at the Institute for Chemistry and Biology of the Marine Environment (ICBM), University of Oldenburg
- 1996-1998 Mathematical tutorials at University of Oldenburg

Education

- 2001 Diploma in Mathematics, University of Oldenburg, Germany. Diploma thesis on „Modelling under Uncertainty: Qualitative Differential Equations in Bioeconomics“
- 1999 Examination in philosophy and economics, University of Oldenburg
- 1995 Studies in mathematics, philosophy and environmental science, University of Stirling, Scotland

Publications

Contributions to Books

- J. Kropp, K. Zickfeld, K. Eisenack (2002): Assessment and Management of Critical Events: The Breakdown of Marine Fisheries and the North Atlantic Thermohaline Circulation, in A. Bunde, J. Kropp, H. J. Schellnhuber (eds.): The Science of Disasters, Springer, 192 – 216.
- K. Eisenack, O. Moldenhauer, F. Reusswig (2002): Möglichkeiten und Grenzen qualitativer und semiquantitativer Modellierung von Mensch-Gesellschafts-Interaktionen, in I. Balzer, M. Wächter (eds.): Sozial-Ökologische Forschung, ökom Verlag, München, 377-389.

Articles

- J. Kropp, K. Eisenack, J. Scheffran (2004): Sustainable Marine Resource Management: Lessons from Viability Analysis, in: A. E. Rizzoli, A. J. Jakeman (eds.): Integrated Assessment and Decision Support, Proceedings of the First Biennial Meeting of the International Environmental Modelling and Software Society, 1, 104-109.
- K. Eisenack (2003): Qualitative Viability Analysis of a Bio-Socio-Economic System, in P. Salles, B. Bredeweg (eds.): Working Papers of the 17th Workshop on Qualitative Reasoning, 63-70.

K. Eisenack, G. Petschel-Held (2002): Graph Theoretical Analysis of Qualitative Models in Sustainability Science, in N. Agell, J. A. Ortega (eds.): Working Papers of 16th International Workshop on Qualitative Reasoning, Download at <http://www.upc.es/web/OR2002/Principal.htm>, 53-60.

H. Welsch, K. Eisenack (2002): Energy Costs, Endogenous Innovation and Long-Run Growth, *Jahrbücher für Nationalökonomie und Statistik*, 222(4), 490-499.

K. Eisenack, J. Kropp (2001): Assessment of Management Options in Marine Fisheries by Qualitative Modelling Techniques, *Marine Pollution Bulletin*, 43(7-12), 215-224.

Submitted for Publication

K. Eisenack, J. Kropp, H. Welsch (2004): A Qualitative Dynamical Modelling Approach for Investigation of Capital Accumulation in Atomistic Open-Access Fishery.

K. Eisenack (2004): Viability Analysis of Management Frameworks for Fisheries.

Other

K. Eisenack, G. Petschel-Held (2004): Keep Cool – Gambling with the Climate. Board game on climate politics. Spieltrieb, Wiesbaden (see <http://www.spiel-keep-cool.de>).

Presentations

Sustainable Management of Natural Resources (invited), Greifswald International Students Festival, June 2005, Greifswald, Germany.

Euromix - Measurement and Simulation of Euro Diffusion (invited), International Workshop on Euro Diffusion, April 2003, Cercedilla, Spain.

Conflict Resolution, Management and Decision-Making for Sustainable Fisheries: A Qualitative Multi-Agent Approach to Viable Control (together with Jürgen Scheffran), Jahrestagung of the German Physical Society (DPG), March 2003, Dresden, Germany.

Graph Theoretical Analysis of Qualitative Models in Sustainability Science, 16th International Workshop on Qualitative Reasoning, June 2002, Sitges, Spain.

Qualitative Modelling and Simulation of a Coupled Bio-Economic System (poster), 15th International Workshop on Qualitative Reasoning, May 2001, San Antonio, Texas.

Simulation and Gaming Facilitator

Keep Cool – Gambling with the Climate, Berliner Lange Nacht der Wissenschaften (Long Science Night), June 2005.

Keep Cool – Gambling with the Climate, Berliner Lange Nacht der Wissenschaften (Long Science Night), June 2004.

The Fishery Game, Potsdamer Lange Nacht der Wissenschaften (Long Science Night), September 2003.

The Fishery Game, Brandenburg Girls & Boys Day, funded by the German Federal Ministry for Education and Research, Mai 2003.

Interests

Travelling, walking, cooking, roleplaying.