



POTSDAM INSTITUTE FOR
CLIMATE IMPACT RESEARCH



GSD

**Global System
Dynamics & Policies**

Workshop

“Beyond the Financial Crisis – Globalization at the Crossroads”

Berlin, November 5-6, 2009

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About the Conference

What will we learn from the financial crisis that has brought the world economy once more to the brink of the abyss in which it fell in 1929?

This question formed the focus of this conference, which brought together experts from different countries and disciplines. Which kind of models are needed in the face of the twin challenges of global economic instability and global environmental risks? What kind of mindset is appropriate to deal with these challenges?

A conference report, which will summarise the outcomes of this conference will follow by the end of this year. In case you want to receive this report please contact: henning@european-climate-forum.net

Global System Dynamics and Policies is a project funded by the Future & Emerging Technologies division of the European Commission. The project began in May 2008, and will continue until April 2010.

The project's purpose is to review how complex systems analysis can be applied to policy decisions, with a particular focus on climate change, sustainable cities, risk, energy and social problems.

The programme aims to connect the building of different methodologies of multi-physics modelling, engineering systems, dynamics, economics and organisations modelling. We hope that this process of connection will lead to some integration of these approaches.

For further information please see: <http://www.globalsystemdynamics.eu>

About the Organizers



The European Climate Forum was founded in September 2001 by seven research institutes under the lead of Prof. Carlo Jaeger and Prof. Klaus Hasselmann.

ECF is a platform for joint studies and science-based stakeholder dialogue on climatic change. The aim is to provide arguments for long-term climate mitigation and adaptation policies towards a sustainable development path.

For further information please see: <http://www.european-climate-forum.net/>



Agenda of the Conference

The point of this conference was to foster work on an emerging research program. The agenda was meant as a proposal for efficient work; it will be handled in a flexible manner, so as to best accommodate the needs of the joint conversation.

Day One: Learning from the Crisis

09:00	Welcome Carlo Jaeger (PIK / European Climate Forum) Patrick Graichen (German Ministry for the Environment)
09:30	Input: <i>The Urgent Need for Agent-Based Models</i> Doyne Farmer (Santa Fe Institute)
10:00	Questions and Answers
10:15	Panel: <i>The Future of Globalisation - Models, Scenarios and Decisions</i> Mauro Gallegati (Marche Polytechnic University, Italy), Patrick Graichen (German Ministry for the Environment), Andreas Schaal (OECD), Angela Wilkinson (Oxford University)
11:00	<i>Coffee Break</i>
11:30	Input: <i>The Death of Single Equilibrium Economics</i> Paul Ormerod (Volterra Consulting, London)
12:00	Questions and Answers
12:15	Input: <i>How Stable is the Global Economy?</i> John Finnigan (CSIRO, Australia)
12:45	General Discussion: <i>Globalization at the Crossroads</i>
13:30	<i>Lunch</i>
14:30	Panel: <i>Are We All Keynesians Now?</i> David Colander (Middlebury College), Thomas Fricke (Financial Times Germany), Gustav Horn (Institute for Macro-Economics, Düsseldorf)
15:30	<i>Working Groups</i> (coffee breaks at their discretion): 1) Models 2) Scenarios 3) Decisions
17:30	Plenary: <i>Collecting Insights and Questions</i>
18:00	End of day one

Day Two: Looking at the Future

09:00	Input: <i>Climate Policy: Burden or Opportunity?</i> Terry Barker (Cambridge Econometrics)
09:30	Questions and Answers
09:45	Input: <i>Coordination in Socio-Ecological Systems</i> Carlo Jaeger (PIK / European Climate Forum)
10:15	Questions and Answers
10:30	General Discussion: <i>How Do We Frame the Climate Problem?</i>
11:00	<i>Break</i>
11:30	<i>Working Groups</i> 1) Modelling 2) Scenarios 3) Decisions
13:30	<i>Lunch</i>
14:30	Panel: <i>The Dynamics of Society-Environment Interactions</i> Sylvie Geisendorf (University of Kassel, Germany), Antonio Ruiz Elvira (University of Alcalá, Spain), Detlef Sprinz (PIK), Dodo Thampapilai (National University of Singapore/ Macquarie University, Sydney)
15:30	Reports from the Working Groups
16:00	Synthesis: <i>An Emerging Research Program</i>
16:45	End of Conference

List of Participants

- Aida Abdulah, Potsdam Institute for Climate Impact Research/ECF
- Terry Barker, University of Cambridge
- Hongjuan Chen, Nuon Energy Trade & Wholesale
- Silvano Cincotti, Università degli Studi di Genova
- David Colander, Middlebury College
- Doyne Farmer, Santa Fe Institute
- John Finnigan, CSIRO
- Daniel Fricke, Kiel Institute for the World Economy
- Thomas Fricke, Financial Times
- Steffen Fürst, Potsdam Institute for Climate Impact Research
- Mauro Gallegati, Università Politecnica delle Marche
- Sebastian Gallehr, Gallehr & Partner/ECF
- Sylvie Geisendorf, University of Kassel
- Raymond Geuss, University of Cambridge
- Patrick Graichen, German Ministry for the Environment
- Armin Haas, Potsdam Institute for Climate Impact Research/ECF
- Klaus Hasselmann, Max Planck Institute for Meteorology/ECF
- Elke Henning, Potsdam Institute for Climate Impact Research/ECF
- Mareen Hoffmann, Potsdam Institute for Climate Impact Research
- Gustav Horn, Macroeconomic Policy Institute
- Katharina Hückelheim, German Ministry for the Environment
- Julia Jaeger, European Climate Forum
- Carlo Jaeger, Potsdam Institute for Climate Impact Research/ECF
- Imre Kondor, Eötvös Loránd University
- Roland Kupers, Shell
- Wiebke Lass, Potsdam Institute for Climate Impact Research
- Daniel Lincke, Potsdam Institute for Climate Impact Research
- Antoine Mandel, Université Panthéon-Sorbonne
- Diana Mangalagiu, University of Oxford
- Katja Mayer, KM Networks GmbH
- Frank Meißner, Frame Solutions
- Jakob Mueller, European Climate Forum
- Paul Ormerod, Volterra Consulting London
- Antonio Ruiz de Elvira, University of Alcalá/ECF
- Andreas Schaal, OECD
- Sven Schreiber, Macroeconomic Policy Institute
- Detlef Sprinz, Potsdam Institute for Climate Impact Research
- Joan David Tàbara, Universitat Autònoma de Barcelona
- Dodo J. Thampapillai, National University of Singapore/Macquarie University, Sydney
- Johannes Urpelainen, Columbia University
- Xavier Vilá, Universitat Autònoma de Barcelona
- Angela Wilkinson, University of Oxford
- Sarah Wolf, Potsdam Institute for Climate Impact Research