How to overcome social dilemmas?
Towards an interdisciplinary understanding of Global Cooperation

Workshop, 10 January, 9:30-17:00
Centre for Global Cooperation Research, Duisburg

Protracted negotiations processes with underwhelming outcomes are symptomatic of the current state of global cooperation. Current multilateral decision-making processes in most cases falls short of providing adequate answers to global problems. Of particular concern is the area of climate change where negotiations under UN auspices do not come near what critical observers deem crucial for safeguarding the world’s climate. The problem of climate change seems to be classical social dilemma: despite the global benefits of reducing green-house gas emissions, no individual has any incentive to reduce his or her own emissions.

In this workshop we want to investigate from the perspective of different disciplines what makes cooperation at the global scale more difficult, how we can grapple with the complexity of global cooperation situations, and whether and how we can draw lessons from cooperation in small groups for solving global problem. A special emphasis is places on climate change, most likely the greatest social dilemma in human history and a game we can’t afford to lose. The workshop’s overall objective is twofold. On the one hand, research directions should be explored that might lend themselves to producing new insights on how to overcome the current deadlock in multilateral (climate) negotiations, with a special focus on human behaviour. On the other hand, we want to continue the fruitful exchange and dialogue between global cooperation researchers and other disciplines as was exemplified by our Masterclass event in August 2013.

The workshop will be held in a small and informal format. Kindly register at events@gcr21.uni.due.de until December 27, 2013.
Programme

9:30 Registration and Coffee

10:00–10:15 Welcome Remarks
  Dirk Messner, Deutsches Institut für Entwicklungspolitik (DIE), Centre for Global Cooperation Research, Bonn / Duisburg

10:15–11:15 Analyzing global cooperation beyond global governance research: Disciplines and Methodologies
  Marlies Ahlert, Centre for Global Cooperation Research

11:15–11:30 Coffee Break

11:30–13:30 Session 1

  Public Goods Games and Climate Change
  Astrid Dannenberg, Columbia University

  How to overcome the social dilemma of climate change: Insights from evolutionary biology
  Dirk Semmann, Göttingen University

  What’s fair and why? Preferences in Climate Change Negotiations
  Andreas Loeschel, ZEW Mannheim

13:30–14:30 Lunch

14:30–16:30 Session 2

  Foundations of multilateral agreements to combat climate change: A Game Theoretical Analysis
  Sayantan Ghosal, University of Glasgow

  The sustainability of multilateral agreements on emissions mitigation: Experimental results from the collective risk social dilemma
  Till Requate, Kiel University

  An Experiment on Unilateral Commitments and Technological Transfers
  Gianluca Grimalda, Centre for Global Cooperation Research

16:30–17:00 Wrap-up
  Silke Weinlich, Centre for Global Cooperation Research, Duisburg
List of presenters

Marlies Ahlert
Senior Fellow at Centre for Global Cooperation Research, Duisburg
Professor of Economics at the Department of Law and Economics, Martin-Luther University, Halle-Wittenberg

Marlies Ahlert studied Mathematics, Social Science and Economics at Bielefeld University and the University of Cologne. She holds a PhD in Mathematics as well as in Economics. Since 1996 she is chair for economics, especially microeconomics and public finance at the Martin-Luther University in Halle-Wittenberg. She was a research fellow at multiple universities in the United States and elsewhere, including the Centre for Interdisciplinary Research at Bielefeld University and the Centre for Public Choice, George Mason University. In her current research at Centre for Global Cooperation Research she focuses on negotiations. She aims to further refine an aspiration-based bargaining model for realistic applications to complex negotiation processes incorporating many dimensions of interest. Marlies Ahlert also acts as an expert on questions of distributive justice in the German health sector.

Astrid Dannenberg
Fellow, The Earth Institute, Columbia University

Astrid Dannenberg studied economics at the University of Mannheim and the University of Wales. She received her PhD in Economics from Magdeburg University in 2011. Since 2012 she is a fellow at the Earth Institute at Columbia University. While there, she works with Scott Barrett, Lenfest-Earth Institute professor of natural resource economics. Astrid Dannenberg was a research fellow at the University of Gothenburg and the Centre for European Economic Research in Mannheim. She also worked for the German Federal Environmental Agency. Her research interests lie primarily in global sustainable development issues; she uses game theoretic models and economic experiments. In particular, her research focuses on human decision-making and how institutions can be designed to promote cooperation and to identify and remove barriers to cooperation.

Sayantan Ghosal
Professor of Economics at the University of Glasgow

Sayantan Ghosal obtained his PhD in 1995 from CORE, Universite Catholique de Louvain in the European Doctoral Programme in Quantitative Economics. He was a Professor of Economics at the University of Warwick (2004 -2013) and Research Director for the ESRC Centre for Competitive Advantage in the Global Economy (CAGE) from (2010-2012); he continues his association with CAGE as a Research Fellow. Since 2013 he is a Professor of Economics at the Adam Smith Business School, University of Glasgow. His research interests are in the field of economic theory. He focuses on behavioural welfare economics, the financial crisis, endogenous formation of networks and groups as well as global cooperation on climate change.
Gianluca Grimalda
Fellow, Centre for Global Cooperation Research, Duisburg
Researcher at the Laboratory of Experimental Economics Experimental (LEE) at the University Jaume I of Castellón, Spain

Gianluca Grimalda attained a PhD in Economics from the University of Southampton on the subject of individual choice, social norms, and growth. He has held teaching and research positions at Southampton University, the Centre for the Study of Globalisation and Regionalisation (Warwick University), IN+ (Instituto Superior Técnico of Lisbon), and Universitat Jaume I (Castelló de la Plana, Spain). His interests evolve around the understanding of the interaction between individual behaviour and socioeconomic structures, often adopting an experimental methodology and using a cross-cultural perspective. He has co-ordinated research projects on “Globalisation, Cooperation and Trust”; “Fairness, Merit, and Individual Preferences for Income Redistribution”; “The Impact of Exposure to Violence on Individual Aspirations and Inter-Personal Trust”. He also co-ordinated a research unit within an EU-funded project on income inequality.

Andreas Löschel
Head of the department "Environmental and Resource Economics, Environmental Management" at the Centre for European Economic Research (ZEW)
Professor of Economics at the University of Heidelberg

Andreas Löschel studied economics at the University of Erlangen Nürnberg, the University of California, Los Angeles and the Wayne State University in Detroit. He received his PhD on the economic impact of climate politics in 2003 at the University of Mannheim. Since 2007 Andreas Löschel is head of the department "Environmental and Resource Economics, Environmental Management" at the Centre for European Economic Research (ZEW) and since 2010 Professor of Economics at the University of Heidelberg. He was a consultant to the European Commission, the European Parliament, to German federal and state ministries and also chairs the government’s Energy Expert Commission to monitor the energy transformation in Germany. His research interests are international environmental economics, especially the economics of climate change and energy policy, and quantitative economic modelling.

Till Requate
Professor of Innovation Economics at Kiel University

Till Requete studied Mathematics, Physics, Philosophy and Sports Science, and graduated in Mathematics and Philosophy at Bielefeld University. He holds a Ph.D. in Economics with a thesis on game theory and industrial organisation and received his Habilitation in 1994. Till Requete was assistant professor at the University of Bielefeld, held a position as associate professor at the University of Oldenburg, and was appointed full professor for Environmental Economics and as director of the Interdisciplinary Institute of Environmental Economics at the University of Heidelberg in 1996. Since 2002 Till Requate is
a professor for innovation economics, competition policy, and new institutional economics at Kiel University. Environmental regulation and impacts on competition but also experimental economics are major fields of interest.

Dirk Semmann
Head of the Research Group "Evolution of Cooperation and Prosocial Behaviour", Courant Research Centre "Evolution of Social Behaviour" at the University of Göttingen

Dirk Semmann studied Zoology and Biology and holds a PhD in evolutionary biology. He is an evolutionary biologist working experimentally on the topic of human social behaviour. Since 2008 he is head of the Research Group "Evolution of Cooperation and Prosocial Behaviour" at the Courant Research Center "Evolution of Social Behaviour" at the University of Göttingen. Dirk Semmann’s research focuses on the evolution and maintenance of cooperative behaviour in humans by computer-based experimental research methods. These experiments originate from game theory and allow investigating cooperation in various conflict situations and ecological settings. Furthermore, the experimental his research is underpinned by the development and analysis of evolutionary models and simulations. Moreover, he studies cooperative behaviour in a comparative manner between humans and non-human primates.

About the Centre
Käte Hamburger Kolleg / Centre for Global Cooperation Research is an interdisciplinary research institute of the University of Duisburg-Essen. The Centre provides a framework for internationally renowned fellows from different disciplines and world regions to pursue research on the opportunities and challenges of global cooperation amidst political-cultural differences in the world society.

Käte Hamburger Kolleg / Centre for Global Cooperation Research was co-founded by the German Development Institute / Deutsches Institut für Entwicklungspolitik (DIE), the Institute for Development and Peace / Institut für Entwicklung und Frieden (INEF), and the Institute for Advanced Study in the Humanities (KWI) in Essen.

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