

**Workshop on Barriers to Adaptation to Climate Change**

**September 18-21, 2012**

**Berlin, Germany**

**Program**

**18<sup>th</sup> September 2012**

18:00 -19:00 *Arrival/ Registration*

19:00 -20:00 *Dinner*

**20:00 -20:30 Welcome by Klaus Eisenack**

**20:30-21:00 Keynote**

“Limits to Adaptation to Climate Change: A Risk Management Framework”

**Frans Berkhout**, Institute for Environmental Studies, VU Amsterdam, Netherlands

**19<sup>th</sup> September 2012**

**8:30 Introduction by Klaus Eisenack**

**9:00 -11:00 Parallel Sessions I, II, III**

11:00 -11:15 *Break*

**11:15 -13:15 Parallel Sessions IV, V, VI**

13:15-14:30 *Lunch*

**14:30 -15:30 Keynotes**

14:30-15:00 “Decision Making Under Uncertainty”

**Stéphane Hallegatte**, the World Bank, USA, and Centre International de Recherche sur l’Environnement et le Développement (CIRED), Paris, France

15:00-15:30 “On the Nature of Climate Adaptation Challenges”

**Matthias Ruth**, Center for Integrative Environmental Research (CIER), University of Maryland, USA

15:30-16:00 *Break*

**16:00-18:00 Parallel Session VII, VIII, IX**

19:00 *Dinner*

## 20<sup>th</sup> September 2012

### 8:30 -9:30 Keynotes

8:30-9:00 "Three Challenges for Climate Change Adaptation"

**Katrien Termeer**, Wageningen University, Netherlands

9:00-9:30 "Finding Common Ground: Some Suggestions for Avoiding Cat Fights over Possible Barrier Theories"

**Susanne Moser**, Susanne Moser Research & Consulting, Stanford University, USA

**9:30 -11:00 Working Groups A, B, C, D**

*11:00 -11:15 Break*

**11:15 -13:15 Working Groups A, B, C, D**

*13:15-14:00 Lunch*

**14:00 -16:15 Social Event: Visit of the Max Liebermann Villa**

**16:15-18:15 Working Groups A, B, C, D**

*19:00 Dinner*

## 21<sup>st</sup> September 2012

### 8:30 -9:00 Keynote

"How Does Mitigation Influence Limits to Adaptation?"

**Richard Klein**, Stockholm Environment Institute (SEI), Sweden

**9:00 -11:00 Presentation of Working Groups A, B, C, D**

*11:00 -11:15 Break*

**11:15 -13:15 Panel Discussion: Research meets Practice** – Practical Experience with Barriers to Adaptation, led by **Esther Hoffmann**

**Discussants:** **Hans-Martin Füssel** (European Environment Agency), **Anett Möhner** (UNFCCC), **Andrea Prutsch** (Environment Agency Austria), **Heike Stock** (Senate Department for Urban Development and the Environment, Berlin), **Mingyi Wang** (GdV German Insurance Association)

*13:15-14:00 Lunch*

**14:00 -16:00 Further Planning and Closure**, led by **Klaus Eisenack**

*16:00 Departure/ End*

## Parallel Sessions

### Session Outline

- For every paper we plan a time frame of 30 min.:  
15 min. presentation / 5 min. discussant / 10 min. open discussion
- Each session will include 30 min. of overarching discussion of all papers

**9:00-11:00h**

### I: Barriers to Municipal Adaptation (1)

Session Chair: Klaus Eisenack

- 1) *A Reflection on Values-Based Approaches in Climate Change Adaptation Research: Whose Values? When, Where, and How?*  
**Carolina Adler**, SWISS FEDERAL INSTITUTE OF TECHNOLOGY (ZÜRICH, SWITZERLAND)  
Discussant: Pierre Mukheibir
- 2) *Cross-Scale barriers to Climate Change Adaptation in Local Government: A focus on Australia*  
**Pierre Mukheibir**, UNIVERSITY OF TECHNOLOGY SYDNEY (SYDNEY, AUSTRALIA)  
Discussant: Liz Root
- 3) *Bridging the Financial Gap in Climate Adaptation: Dutch Planning and Land Development Through a New Institutional Lens*  
**Liz Root**, RADBOUD UNIVERSITY NIJMEGEN (NIJMEGEN, NETHERLANDS)  
Discussant: Carolina Adler

### II: Institutional and organizational Barriers

Session Chair: Frans Berkhout

- 1) *Limiting Factors for a Robust Railway System*  
**Maja Rotter**, INSTITUTE FOR ECOLOGICAL ECONOMY RESEARCH (IÖW) (BERLIN, GERMANY)  
Discussant: Lindsey Jones
- 2) *Challenges in adapting to change and uncertainty at the local level: Exploring institutional and socio-political barriers to flexible and forward-looking decision-making in three African districts*  
**Lindsey Jones**, OVERSEAS DEVELOPMENT INSTITUTE (LONDON, UNITED KINGDOM)  
Discussant: Christoph Oberlack
- 3) *Institutional Barriers and Triggers for Adaptation to Climate Change in Europe*  
**Christoph Oberlack**, UNIVERSITY OF FREIBURG (FREIBURG, GERMANY)  
Discussant: Maja Rotter

### III: Barriers at the Science-Policy Interface

Session Chair: Micha Steinhäuser

- 1) *Negotiating the barriers between science and policy: from 'useful' to 'valuable' knowledges in climate change adaptation*  
**Geoff Whitman**, UNIVERSITY OF LEEDS (LEEDS, UNITED KINGDOM)  
Discussant: Johannes Klein
- 2) *3 m flood protection in the view of climate change adaptation*  
**Johannes Klein**, GEOLOGICAL SURVEY OF FINLAND (ESPOO, FINLAND)  
Discussant: Vikrom Mathur
- 3) *How 'culture' matters? An Analysis of institutional barriers to climate change adaptation around the Tonle Sap Lake in Cambodia*  
**Vikrom Mathur**, INDEPENDENT RESEARCHER (INDIA)  
Discussant: Geoff Whitman

**11:15-13:15h**

### IV: Adaptation Analysis and Assessment

Session Chair: Anna Pechan

- 1) *A Framework for Analyzing Climate Change Adaptations as Actions*  
**Rebecca Stecker**, UNIVERSITY OF OLDENBURG (OLDENBURG, GERMANY)  
Discussant: Jochen Hinkel
- 2) *Which framing of adaptation is adequate?*  
**Jochen Hinkel**, POTSDAM INSTITUTE FOR CLIMATE IMPACT RESEARCH (POTSDAM, GERMANY)  
Discussant: Ilona Otto
- 3) *How costly and profitable of adaption to climate change: multi-criteria analysis of promising adaption options in the water sector in China*  
**Ilona Otto**, POTSDAM INSTITUTE FOR CLIMATE IMPACT RESEARCH (POTSDAM, GERMANY)  
Discussant: Rebecca Stecker

### V: Processural Frameworks to Analyze Barriers

Session Chair: Stéphane Hallegatte

- 1) *Identifying characteristic variables to structure processes of and barriers to adaptation of infrastructure*  
**Micha Steinhäuser**, UNIVERSITY OF OLDENBURG (OLDENBURG, GERMANY)  
Discussant: Robbert Biesbroek
- 2) *Barriers revisited: analytical perspectives in the study of barriers in the governance of climate change adaptation*  
**Robbert Biesbroek**, WAGENINGEN UNIVERSITY (WAGENINGEN, NETHERLANDS)  
Discussant: Cecilia Matasci

- 3) *Barriers to climate change adaptation in the Swiss tourism sector*  
**Cecilia Matasci**, ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE (LAUSANNE, SWITZERLAND)  
Discussant: Micha Steinhäuser

## **VI: Adaptation Mainstreaming in Policy and Planning**

Session Chair: Richard Klein

- 1) *Barriers and guidelines in adaptation policy making: Taking stock, analysing congruence*  
**Andrea Prutsch**, ENVIRONMENT AGENCY AUSTRIA AND UNIVERSITY OF NATURAL RESOURCES AND LIFE SCIENCES (WIEN, AUSTRIA)  
Discussant: Kerstin Krellenberg
- 2) *Adaptation measures for Santiago de Chile – How to overcome existing barriers?*  
**Kerstin Krellenberg**, HELMHOLTZ CENTRE FOR ENVIRONMENTAL RESEARCH (LEIPZIG, GERMANY)  
Discussant: Elisabeth Hamin
- 3) *By Stealth or by Spotlight*  
**Elisabeth Hamin**, UNIVERSITY OF MASSACHUSETTS (AMHERST, USA)  
Discussant: Andrea Prutsch

**16:00-18:00h**

## **VII: Economics of Adaptation**

Session Chair: Matthias Ruth

- 1) *Efficient public adaptation to climate change – An investigation of drivers and barriers from a Public Choice perspective*  
**Clemens Heuson**, HELMHOLTZ CENTRE FOR ENVIRONMENTAL RESEARCH (LEIPZIG, GERMANY)  
Discussant: Klaus Eisenack
- 2) *The incentives for long-term adaptation investment in regulated network industries*  
**Klaus Eisenack**, UNIVERSITY OF OLDENBURG (OLDENBURG, GERMANY)  
Discussant: Clemens Heuson

## **VIII: Barriers to Municipal Adaptation (2)**

Session Chair: Katrien Termeer

- 1) *Understanding Barriers and Drivers of Urban Climate Adaptation*  
**Paul Lehmann**, HELMHOLTZ CENTRE FOR ENVIRONMENTAL RESEARCH (LEIPZIG, GERMANY)  
Discussant: Maya van den Berg
- 2) *Why tackle a far-off problem? Municipal resistance to climate change adaptation from an organisational change perspective*  
**Maya van den Berg**, UNIVERSITY OF TWENTE (ENSCHDEDE, NETHERLANDS)  
Discussant: Paul Lehmann

## IX: Organisational Learning

Session Chair: Susanne Moser

- 1) *Barriers to climate change adaptation: The development of a barrier model*  
**Jana Herrmann**, DRESDEN UNIVERSITY OF TECHNOLOGY (DRESDEN, GERMANY)  
Discussant: Esther Hoffmann
- 2) *Making sense of climate risks: Barriers to organizational adaptation*  
**Esther Hoffmann**, INSTITUTE FOR ECOLOGICAL ECONOMY RESEARCH (IÖW) (BERLIN, GERMANY)  
Discussant: Api Desai
- 3) *Barriers to built asset adaptation in private service sector*  
**Api Desai**, UNIVERSITY OF GREENWICH (LONDON, UNITED KINGDOM)  
Discussant: Jana Herrmann

## Working Groups

For in-depth synthesis we plan parallel working groups on Thursday. For this purpose the participants are divided into four groups with two of the groups working on the same questions/tasks. To ensure diversity of participants from the thematic sessions of the previous day we have predefined the mixture of the working groups (see below).

Working groups A and B will have a conceptual focus; working groups C and D will focus on empirical questions.

### Overarching questions of the *conceptual* working groups are:

- \* How can barriers to adaptation be conceptualized and analyzed?
- \* What are the overarching issues and challenges in developing and using frameworks on barriers to adaptation?
- \* How do barriers differ between different actors (political, economic, sectoral and societal) and scales? How do they interact?
- \* What political, institutional and organizational strategies are suitable for dealing with barriers?

### Overarching questions of the *empirical* working groups are:

- \* Which typical barriers from the thematic sessions can be generalized?
- \* In which contexts and under which conditions (geographical, administrative level, institutional, actor types, economic etc.) do these barriers occur?
- \* How can the identified barriers be overcome? Who can address these barriers? Which governance structures or political instruments would be appropriate?

### Composition of the respective working groups:

*A (conceptual)*: Susanne Moser (chair), Maja Rotter (chair), Carolina Adler, Geoff Whitman, Jochen Hinkel, Micha Steinhäuser, Clemens Heuson, Api Desai

*B (conceptual)*: Richard Klein (chair), Klaus Eisenack (chair), Christoph Oberlack, Rebecca Stecker, Robbert Biesbroek, Andrea Prutsch, Paul Lehmann, Jana Herrmann

*C (empirical):* Katrien Termeer (chair), Anna Pechan (chair), Johannes Klein, Cecilia Matasci, Kerstin Krellenberg, Maya van den Berg, Nils Marscheider

*D (empirical):* Matthias Ruth (chair), Esther Hoffmann (chair), Liz Root, Vikrom Mathur, Ilona Otto, Elizabeth Hamin, Lindsey Jones, Maren Petersen

### Panel discussion: Research meets Practice

To strengthen exchange and cooperation between research and practice we invite representatives from administration and business to participate in the panel discussion: practical experience with barriers to adaptation. The panel discussion's aim is to provide insights in adaptation policy and practice, and to reach a reality check of the scientific workshop discussions by tackling the following questions:

- Which barriers do practitioners face in developing and implementing adaptation strategies?
- Do crucial barriers, identified in the workshop discussions, comply with the practitioners' experience?
- Which strategies are assumed to be suitable to overcome barriers?
- Which political approaches can support economic or private actors in overcoming barriers to adaptation?
- In which areas is more scientific support needed to overcome barriers?

The panel discussion is set at the end of the Workshop, allowing a comprehensive discussion of the workshop results among adaptation practitioners and researchers.

Invited speakers are **Hans-Martin Füssel** (European Environment Agency), **Anett Möhner** (UNFCC), **Andrea Prutsch** (Environment Agency Austria), **Heike Stock** (Senate Department for Urban Development and the Environment, Berlin), **Mingyi Wang** (GdV German Insurance Association).