

AGENDA

09:00 - 09:15

Welcome – purpose of the meeting and overview
on the planned Priority Programme

Prof. Andreas Oschlies

09:15 - 09:45

Climate Engineering case studies

*Prof. Martin Claussen**

Prof. Thomas Leisner

Prof. Dieter Wolf-Gladrow

09:45—10:35

Assessment, governance, ethics and
communication

Prof. Gregor Betz

Prof. Timo Goeschl

Prof. Sebastian Harnisch

*Prof. Nina Janich**

Prof. Alexander Proelß

10:35—12:30

Discussion on focus and structure of the
Priority Programme

12:30

Snack

* to be confirmed



VENUE

Leibniz Institute of Marine Sciences
Hörsaal
Düsternbrooker Weg 20
D-24105 Kiel

KIEL EARTH INSTITUTE
environment · society · economy

Climate Engineering: Challenges for Research, Assessment and Governance

Presentation and discussion of a planned
application for a DFG-Priority Programme

17. September 2010



Focus of the Meeting

An interdisciplinary group of researchers is planning to apply for a DFG Priority Programme to investigate under what conditions Climate Engineering (CE) could be feasible, beneficial and justifiable. The focus of this meeting is to present the current state of the proposal and to open the discussion for suggestions and participation of other researchers.

The Proposed Research Programme

'Climate Engineering: Challenges for Research, Assessment and Governance' is the working title of the proposed Priority Programme that will be presented at the meeting.

The overarching research question is: Under what conditions could Climate Engineering be (1) feasible, (2) beneficial, and (3) justifiable? Aspect (1) will be addressed predominantly by natural sciences, aspect (2) will be predominated by socio-economics, and aspect (3) by ethics, law and communication science. In order to concentrate research efforts and resources, three CE options will be considered as main case studies: Aerosol injection into the troposphere and stratosphere, dissolving carbonate and silicate rocks to enhance marine CO₂ uptake, and afforestation. None of these aspects can, however, be resolved in isolation, and strong cross-disciplinary interaction is required. Because of the intricate complexity of the topic, this requires an inherently interdisciplinary approach.

The independence of the proposed Priority Programme from private investors and its multidisciplinary arrangement will allow investigating CE in an open and transparent manner from a wide variety of angles.

An expected result of the Priority Programme is the development of appropriate assessment tools, policy options and governance schemes.

Who?

The Priority Programme brings together an interdisciplinary team of experts on climate engineering from the natural and social sciences, economics, humanities, law and ethics. The participants currently involved in planning the Priority Programme are:

- Gregor Betz, University of Stuttgart
- Martin Claußen, Max Planck Institute for Meteorology, Hamburg
- Timo Goeschl, University of Heidelberg
- Sebastian Harnisch, University of Heidelberg
- Nina Janich, Technical University of Darmstadt
- Mark Lawrence, Max Planck Institute for Chemistry, Mainz
- Gernot Klepper, Kiel Institute for the World Economy
- Thomas Leisner, Karlsruhe Institute of Technology
- Andreas Oschlies, Leibniz Institute of Marine Sciences at Kiel University
- Konrad Ott, University of Greifswald
- Ulrich Platt, University of Heidelberg
- Alexander Proelß, University of Kiel
- Jürgen Scheffran, University of Hamburg
- Martin Visbeck, Leibniz Institute of Marine Sciences at Kiel University
- Dieter Wolf-Gladrow, Alfred Wegner Institute for Polar and Marine Research

However the main goal of this meeting is to open the discussion and to invite other researchers to participate.

CONFIRMATION

Please confirm your participation.

Email info@kiel-earth-institute.de

Tel +49 431 600 4140

Fax +49 431 600 4102

HOTEL INFORMATION

A limited contingency of rooms are available in the Steigenberger Conti Hansa. It is located near the IFM-GEOMAR. Please contact the hotel directly until September 3rd. Please use as code "Climate Engineering".

Steigenberger Conti Hansa
Schloßgarten, 24103 Kiel

Tel +49 431 5115-0

Fax +49 431 5115-444

www.steigenberger.com/en/Kiel

KONTAKT

KIEL EARTH INSTITUTE

Ulrike Bernitt

Düsternbrooker Weg 2

24105 Kiel

Tel +49 431 600 4140

Fax +49 431 600 4102

Email ulrikebernitt@kiel-earth-institute.de

www.kiel-earth-institute.de