

## 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



## VENUE

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

## 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 CO<sub>2</sub> 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.

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## 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

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[www.steigenberger.com/en/Kiel](http://www.steigenberger.com/en/Kiel)

## KONTAKT

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