

# Intersectional Symposium Foundations and Perspectives of Climate Engineering (SYCE)

lead by the Environmental Physics Division (UP)

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There is mounting evidence that efforts to reduce emissions of greenhouse gases may be insufficient to avert unacceptable levels of climate change. In order to expand our portfolio of options for reducing the risk of dangerous climate change, it has been proposed to develop global-scale engineering methods that may offset the effects of greenhouse gas emissions. These measures are commonly subdivided in carbon dioxide removal (CDR) and solar radiation management (SRM) techniques. In the symposium, an overview over these techniques will be given and the technical, political and societal considerations associated with any future climate-engineering measure will be elucidated. A concluding round table shall identify key aspects for forthcoming discussions in this field.

## Overview of Invited Talks and Sessions

(lecture room HSZ 01)

### Invited Talks

SYCE 1.1	Tue	10:30–11:00	HSZ 01	<b>Oceanic carbon-dioxide removal options: Potential impacts and side effects</b> — ●ANDREAS OSCHLIES
SYCE 1.2	Tue	11:00–11:30	HSZ 01	<b>Climate Engineering through injection of aerosol particles into the atmosphere: physical insights into the possibilities and risks</b> — ●MARK LAWRENCE
SYCE 1.3	Tue	11:30–12:00	HSZ 01	<b>Geoengineering - will it change the climate game?</b> — ●TIMO GOESCHL
SYCE 1.4	Tue	12:00–12:30	HSZ 01	<b>The gamble with the climate - an experiment</b> — ●MANFRED MILINSKI

### Sessions

SYCE 1.1–1.4	Tue	10:30–13:00	HSZ 01	<b>Foundations and Perspectives of Climate Engineering</b>
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