Harrison, Roy; Hester, Ron (Eds.) (2014): Geoengineering of the Climate System

"Following on from “Carbon Capture” (volume 29 in this series), Geoengineering of the Climate System presents an overview of the technologies currently being considered as large scale solutions to climate change, and considers some of the possible benefits and disadvantages of each."

Link

Read more » Harrison, Roy; Hester, Ron (Eds.) (2014): Geoengineering of the Climate System
Xiu, Peng; et al. (2014): Satellite bio-optical and altimeter comparisons of phytoplankton blooms induced by natural and artificial iron addition in the Gulf of Alaska

"Here, we use available satellite bio-optical measurements from the MODIS/Aqua instrument and AVISO altimeter dynamic height data to examine the timing, magnitude and extent of this artificial iron fertilization experiment, comparing it with natural fertilization events such as volcanic ash deposition and mesoscale eddy transport in the Gulf of Alaska."

Link

Read more » Xiu, Peng; et al. (2014): Satellite bio-optical and altimeter comparisons of phytoplankton blooms induced by natural and artificial iron addition in the Gulf of Alaska
"By contrast, the temptation may become very great for some medium-developed nation feeling itself under climate change siege to unilaterally geoengineer itself (and the planet) out of high temperatures by seeding the stratosphere with sunshine-reflecting particles because it is so extraordinarily cheap."

Link

Read more » Weitzman, Martin L. (2014): The Geoengineered Planet
Engineering from Pacific Small Island States


"From the 21st to the 23rd of August 2013, the first “Open Discussion Workshop about Climate Engineering: Perspectives from Pacific Small Island States” took place in Suva, Fiji."

Link

Schäfer, Stefan; et al. (2014): Earth's Future in the Anthropocene: Technological Interventions between Piecemeal and Utopian Social Engineering

We draw on Karl Popper's concepts of piecemeal and utopian social engineering to examine how different visions of societal development relate to SAI.

Read more » Schäfer, Stefan; et al. (2014): Earth's Future in the Anthropocene: Technological Interventions between Piecemeal and Utopian Social Engineering

Lefale, Penehuro Fatu (2014): Climate Engineering and Small Island States. Panacea or Catastrophe?


"For small islands, the emergence of climate engineering as a possible supplement to mitigation and adaptation strategies presents a political, policy, and scientific dilemma. They must engage, without delay, in the international climate engineering conversation."

Link
Rayner, Steve (2014): To Know or Not to Know? A Note on Ignorance as a Rhetorical Resource in Geoengineering

Rayner, Steve (2014): To Know or Not to Know? A Note on Ignorance as a Rhetorical Resource in Geoengineering Debates (CGG Working Papers, 010).

"[M]y purpose is to explore the implications of this disagreement for the sociological study of ignorance and for some of theories and models current in the field."

Link
Kravitz, Ben; et al. (2014): Explicit feedback and the management of uncertainty in meeting climate objectives with solar geoengineering


"In our study, we use two fully coupled atmosphere–ocean general circulation models: one in which the geoengineering strategy is designed, and one in which geoengineering is implemented (a real-world proxy)."

Link

Read more » Kravitz, Ben; et al. (2014): Explicit feedback and the management of uncertainty in meeting climate objectives with solar geoengineering
Carr, Wylie A. (2014): ‘This is God’s Stuff We’re Messing With’. Geoengineering as a Religious Issue


"This article draws upon past social science research and recent interviews with religious individuals to argue that religion will play a role in public support for, or opposition to, geoengineering research in many countries."

Read more » Carr, Wylie A. (2014): ‘This is God's Stuff We're Messing With’. Geoengineering as a Religious Issue

29.04.2014

# New Publications

0 Comments
The interdisciplinary book on disasters is connected to climate change and CE but not explicitly on CE technologies.

[Link](#)

Read more » Two chapters in: Juneja, Monica; Schenk, Gerrit Jasper (Eds.) (2013): Disaster as Image. Iconographies and Media Strategies across Europe and Asia