

reminders & announcements:



next week – SPRING BREAK

Tuesday, April 3 – flexible class time for Activity #2 planning

Thursday, April 5 – regional and state-level climate action

Tuesday, April 10 – City/County of Boulder climate policy action w guest Jonathan Koehn

Thursday, April 12* – Colorado climate policy action w guest Alice Madden

*activity #2 presentations will be postponed slightly, time/day TBA

top themes in Prins & Rayner readings

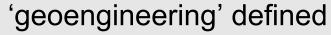


Time to Ditch Kyoto

- "Kyoto tries to to do too much too soon" (p. 794)
- innovation emphasis (e.g. R&D) over hollow regulatory aims
- "The proper purpose of politics is to do things *for* people, not *to* them" calls for flexibility and multiscale action
- multilateralism OUT, minilateralism IN

The Hartwell Paper

- "The UNFCCC/Kyoto model was structurally flawed and doomed to fail..."
- path dependence concerns sunk costs, political capital
- refocus efforts: ensure energy access for all; ensure 'sustainable' development; ensure that our societies are equipped to deal with climate risks and dangers

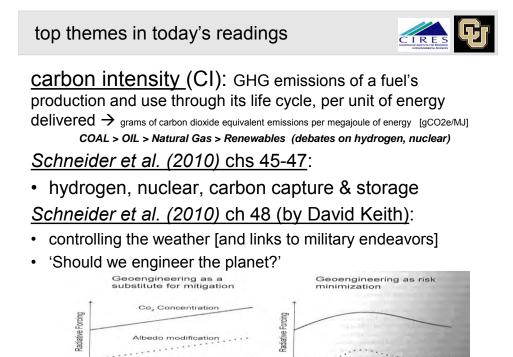


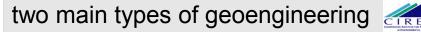


geoengineering (or climate engineering):

deliberate engineering and manipulation of the planetary environment to combat or counteract anthropogenic changes in atmospheric chemistry (Royal Society, 2009)

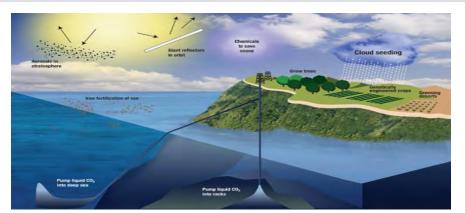




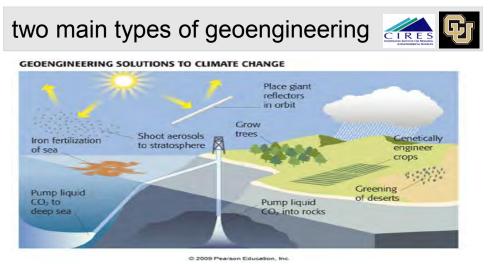


Time





Solar Radiation Management (SRM) [adaptation] e.g. painting rooftops, enhancing cloud reflectivity, SO_x Carbon Dioxide Removal (CDR) [mitigation] e.g. ocean fertilization, air capture, lithosphere storage



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Planetary engineering: a moral hazard?

"to suit human needs & promote habitability" NYT, 2006

Yale poll on attitudes & climate change (Leiserowitz et al, 2010):

- 74% of respondents had never heard of geoengineering
- 3% of the respondents could accurately define it

CONSIDERATIONS

- \rightarrow a 'way out' of emissions reductions responsibilities?
- \rightarrow reducing political/public citizen will for mitigation actions?
- → do humans have a 'right' to deliberately change the climate?
- → how can 'we' agree on the optimal climate globally? questions of power & jurisdiction
- \rightarrow are regulations and standards too underdeveloped to address this?
- → how are we addressing overlapping risks w fracking/natural gas extraction?
- → are these 'band aid' efforts, overlooking root causes of climate change?

planning & research



Asilomar International Conference on Climate Intervention Technologies (nov 2010)

Objectives:

- · Identify potential risks associated with climate intervention experiments
- Propose a system to assess experiment design for potential categorical risks and suggest precautions to assure their safe conduct
- Propose voluntary standards for climate intervention research for the international scientific community

Recommendations:

- · pursue research that advances the collective well-being of society, env't
- · coordinate and plan internationally
- during consideration and conduct of planned activities, take in account governmental oversight, public involvement, and decision-making
- · conduct research with transparency and accountability
- undergo independent evaluation and assessment of research.

