GE ENGINEERING

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Silvia Ribeiro ETC Group 2020



Geoengineering

- A set of proposed techniques to deliberately intervene in and alter Earth's ecosystems on a mega scale, on land, air and seas.
- To manipulate the climate system in an attempt to counteract some of the effects of climate change.
- A technofix for climate change.



Categories of Geoengineering techniques - as proposed by geoengineers

Carbon Dioxide Removal: (CDR)

Remove GHGs from the atmosphere after they have been emitted Solar Radiation Managem ent (SRM)

Weather Modification:

Manipulating/ modifying the weather

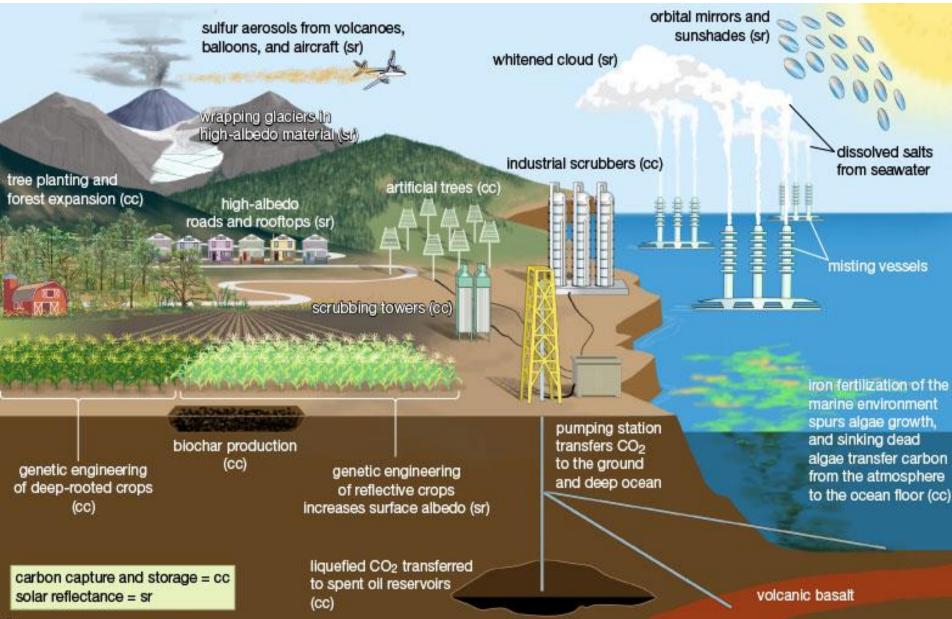
Reflect sunlight back into space to reduce warming effect

 The Greenhouse Effect

 Some sunlight that hits the earth is reflected. Some becomes heat.

 Og and other gases in the atmosphere trap heat, keeping the earth warm.

Proposed geoengineering techniques to intervene LAND, OCEAN and AIR



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Mostly non-proven proposals:

- None of the proposed geoengineering techniques have proven to be viable
- They are mostly theoretical proposals e.g.: CCS (aka EOR= Enhanced Oil Recovery) exists, but not proven to be either economically, technically, ecologically viable for CC. 85% is for EOR, to extract more oil.
- None of the proposals aim to address the root structural causes of climate change



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The Case Against Climate Geoengineering

Free download in three languages

http://www.geoengineering monitor.org/

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More information:

Geoengineering Monitor <u>www.geoengineeringmonitor.org</u>

Hands Off Mother Earth (H.O.M.E) Campaign http://www.handsoffmotherearth. org/

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