

We discuss issues regarding the framing and futures of solar geoengineering, empirical social science on public views and public engagement, the evolution of ethical concerns regarding ...

Keywords Solar geoengineering &#183; MSA &#183; Programs 1 Introduction Solar geoengineering (SG), or the proposed use of technology to reflect sunlight back to space as a means of partially counteracting climate change, is not merely a novel emerging technology but also a novel policy field, with few governments giving it anything more

The risks of solar geoengineering will be magnified if critics are ignored and researchers are allowed to self-regulate. New Africa/Shutterstock August 30, 2024

An ill-fated solar geoengineering project should have consulted with Indigenous leaders from the get-go. ... The policy analysis calls the startup's efforts "irresponsible" and "not tied ...

As humanity's efforts to decarbonize continue to fall short, and the effects of climate change accelerate, scientific and policy circles are increasingly discussing solar geoengineering as a last-ditch effort to protect Earth from dangerous ...

Solar geoengineering, also known as solar radiation modification (SRM), refers to a set of technologies that aim to artificially cool the planet by altering Earth's climate systems. The interest in and push for these technologies is primarily driven by a select group of scientists, organisations, and private funders and investors, particularly in wealthier Global North countries.

BRUSSELS -- The European Union should prohibit solar geoengineering technologies to combat climate change and push for a worldwide ban for the time being, the bloc's scientific advisers said Monday.

Highlights o Solar Geoengineering could reduce global temperatures fast and at low direct cost. o An important concern is the strategic implications of solar geoengineering. o ...

As a powerful potential lever on global temperatures, solar geoengineering--or solar radiation modification (SRM)--comes with formidable environmental and political risks.

Based on an empirical analysis of solar geoengineering research governance and a theoretical consideration of alternative literatures, including research on interest groups and nonstate advocacy, we call for a broader theory of transnational governance that integrates steering and influence in a way that accounts for the full array of nonstate and substate engagements ...

Solar geoengineering might be one way to reduce these impacts--but it comes with its own risks. Do the benefits, in the form of reduced climate impacts, outweigh solar geoengineering's risks? ... should not--and ours does not--mechanically determine policy outcomes but should be a crucial input to policy analysis and debate," says study ...

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