



2010 Annual Meeting

18–22 February • San Diego



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1200 Climate Effects of Geoengineering Using Cloud Seeding and Stratospheric Aerosols

Saturday, February 20, 2010: 9:30 AM
Room 6F (San Diego Convention Center)

Philip J. Rasch, *Pacific Northwest National Laboratory, Richland, WA*

I will discuss two geoengineering strategies: 1) production of aerosols in the middle atmosphere; and 2) increasing the reflectivity of marine clouds near the surface. A few results will be shown from coupled climate model simulations, suggesting that the geoengineering strategies can cool the planet, and increase sea ice. I will identify other possible consequences to the climate system as well, suggesting that there will be tradeoffs resulting from geoengineering. Much more research is needed to understand these tradeoffs.

See more of: [Can Geoengineering Save Us from Global Warming?](#)

See more of: [Responding to Environmental Change](#)

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