

July 2016

04.07.2016

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National Geographics: This Decade's Most Important Climate Solution

On bio-CDR. "“A geo-engineering solution, but without any of the risk.” That’s how Jeff Seabright, Unilever’s Chief Sustainability Officer, described nature’s role in carbon mitigation at the [Business & Climate Summit 2016](#) in London. We all know meeting the world’s new commitment to limit global warming below 2 degrees C is going to be an [uphill climb](#).”

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[Read more » National Geographics: This Decade's Most Important Climate Solution](#)

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CIA: Director Brennan Speaks at the Council on Foreign Relations

"As promising as it may be, moving forward on SAI would raise a number of challenges for our government and for the international community. On the technical side, greenhouse gas emission reductions would still have to accompany SAI to address other climate change effects, such as ocean acidification, because SAI alone would not remove greenhouse gases from the atmosphere."

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Archy UK: We Can Not Rely on Geoengineering in order to save Us From Global Warming, Researchers Warn – System board

"The paper highlights that using BECCS—the method utilized in the majority of the situations the United Nations has examined, and also the one ActionAid is particularly worried about—to counter our current degree of carbon pollutants will need 380-700 million hectares of biomass crops like switchgrass or rapeseed."

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[# New Publications](#)

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Olibah, Sarah; et al. (2016): Preliminary design and cost estimate of a large scale field trial for Earth albedo modification with sulfur dioxide

"The model results in this research indicate that the only way to achieve long-term stabilization is to both inject sulfuric aerosols into the stratosphere and regulate carbon dioxide emissions on an international

level. This paper will outline the specific proposed method and amount of injections as well as a recommended demonstration and evaluation method to allow for a better understanding of how this system will behave if ever implemented."

[Link](#)

[Read more » Olibah, Sarah; et al. \(2016\): Preliminary design and cost estimate of a large scale field trial for Earth albedo modification with sulfur dioxide](#)

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Center for Carbon Removal: Biochar Basics

"Biochar is a fascinating carbon-negative technology. It is created through the burning of biomass feedstocks (wood, crop wastes, manure, etc.) in low or no oxygen conditions; this oxygen-deprived process is called pyrolysis. Biochar acts as a carbon sequestration technology by storing the carbon dioxide absorbed by plants during growth within the char."

[Link](#)

[Read more » Center for Carbon Removal: Biochar Basics](#)

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Job: PhD position in STS of governance and climate engineering

Deadline: 15. July 2016

PhD position in governance / climate engineering

Location: Leipzig, Germany.

The UFZ invites applications from outstanding PhD candidates within the new CE-Sci-Pol II project Responsible Research and Governance at the Science-Policy Nexus of Climate Change: New Discourses, Epistemic Communities and Climate Policy Regimes through Climate Engineering? funded by the DFG Science Priority Program “Climate Engineering: Risks, Challenges, Opportunities?” (<http://www.spp-climate-engineering.de/>). The project will explore the emergence of approaches and regimes how to govern climate engineering research and their applications.

The work will be embedded into the wider research agenda of science policy interfaces (<http://www.ufz.de/index.php?en=38006>) and environmental governance (<https://www.ufz.de/index.php?en=38667>).

We are looking for a highly motivated researcher with

- A master degree in Science and Technology Studies (Responsible research and innovation) and/ or sociology and/ or political science (international relations and global governance)
- social science skills (empirical social sciences expert interviews)
- fluency in English, written and oral presentation skills
- the ability to work proactively in an interdisciplinary team

UFZ values diversity and encourages applications from women, disabled people, and minority groups. Salary and benefits are according to E13 TV-L 65%. The position is for three years and will be based in

the Department Environmental Politics/ OEKUS at the UFZ.

Applications – including motivation letter, CV and copies of degree certificates – should be in English or German and sent before 15 July 2016; under the Kennziffer 793 to Personalabteilung des Helmholtz-Zentrums für Umweltforschung GmbH – UFZ, Permoserstraße 15 in 04318 Leipzig. Applications via E-mail are possible (Bewerbung@ufz.de).

[Read more » Job: PhD position in STS of governance and climate engineering](#)

03.07.2016

[# Projects](#)

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Project: Geoengineering Research Governance Project

"The Geoengineering Research Governance Project (GRGP) is a joint initiative of the University of Calgary, IASS-Potsdam and the University of Oxford. It seeks to enhance understanding about the complex issues posed by proposed geoengineering techniques, and to analyse the changes required in governance and legal frameworks necessary to enable effective oversight in this space in line with accepted principles."

[Link](#)

[Read more » Project: Geoengineering Research Governance Project](#)

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Motherboard: We Can't Count on Geoengineering to Save Us From Climate Change, Scientists Warn

On BECCS. "Just ten years ago, technologies that can actively suck carbon from the atmosphere—for example, by turning over huge amounts of land to biofuel crops and capturing the carbon released by burning them, known as [BECCS](#)—were dismissed as unrealistic at best, and dangerous “geoengineering” that could destabilize the planet at worst."

[Link](#)

[Read more » Motherboard: We Can't Count on Geoengineering to Save Us From Climate Change, Scientists Warn](#)

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