



Dear Friend,

It's been an eventful start of 2019 for C2G2, and more broadly, for governing emerging approaches and technologies to tackle the climate crisis.

Most prominent was the resolution on “The Governance of Geoengineering” submitted by Switzerland, and co-sponsored by a dozen other countries, at the fourth session of the UN Environment Assembly (UNEA-4) in Nairobi in March. The resolution’s initial intent was to kickstart a global conversation and an international learning process on “geoengineering,” but its promoters were not able to achieve consensus around it and eventually withdrew it.

In our lead article this week, “Recalibrating our work after the UNEA resolution,” I make some observations about how this could affect our work. In short, we feel that the primary challenge facing governance of potential large-scale interventions in the climate system (either through carbon dioxide removal and/or solar radiation modification) is a lack of knowledge and shared understanding, particularly among policymakers. Addressing these will continue to be our concern, and we will focus our efforts here.

Focusing on a better shared understanding of these issues may also require some changes to the way we talk about them – and this particularly concerns the use of the term ‘geoengineering.’ We are embarking on a deep dive into how we might need to change, and will share any developments when we can.

In one piece of practical news, C2G2 has translated a number of its products into Chinese, French, and Spanish. These can be found in the new C2G2 Translations section below, or on our publications page [here](#).

—Janos Pasztor, Geneva - New York, April 2019

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**New from C2G2**

### **Recalibrating our work after the UNEA resolution**

The primary feature today of the conversation around large-scale deliberate interventions in the climate system is a lack of shared understanding. We plan to re-emphasize our work with partners to increase learning, capacity building, and inclusion.

### **Five thoughts on governance**

For many people, the first reaction to the word ‘governance’ is to think of laws, rules, and regulations. For us in C2G2, these are certainly important, but far from the whole story. We tend to think of it much more broadly.

### **What do we mean by impartiality?**

We are sometimes asked in C2G2 what, exactly, we mean when we claim to be impartial about geoengineering. This is an important issue for us, and we often debate it amongst ourselves.

### **How to legitimately govern geoengineering**

*Guest Post by Daniel Callies:* We don’t want just any old institution making decisions about geoengineering – we want a legitimate institution making such decisions. But what would it take for a geoengineering governance institution to be legitimate?

### **Can solar geoengineering be tailored to reduce inequality?**

*Guest Post by Ben Kravitz:* Based on the latest research, it seems as though there is more to solar geoengineering than bluntly reducing global warming. There is some potential to tailor its effects to specific governance requirements.

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## **C2G2 Publications**

### **Geoengineering: the need for governance**

Carbon Dioxide Removal and Solar Radiation Modification face uncertainties around feasibility, acceptability, sustainability, and governance. So, what exactly is geoengineering and why does it need governing?

### **Cool Idea or High Tech Madness?** (The World Today)

We have some time left, but maybe not as much as we like to think. As the climate crisis deepens, difficult decisions are already upon us. We now need the courage to confront them.

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## **C2G2 Interviews**

### **Interview with Janos Pasztor by the Carbon Removal Newsroom with NORI**

This short interview, available as a podcast, addresses a number of issues that arose from the UNEA consideration of a draft resolution on the governance of geoengineering.

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## **C2G2 Events**

### [Rethinking the Governance of Solar Geoengineering, Chatham House](#)

C2G2 co-hosted an event at the UK's Royal Institute of International Affairs, featuring Ana Maria Kleymeyer, Douglas MacMartin, Janos Pasztor, and chaired by Peter Betts.

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## From C2G2 Partners

### [Ban Ki-moon/The Elders: Governing Geoengineering](#)

How to understand and potentially harness disruptive new technologies for the benefit of all humanity is one of the defining questions of our age. Future generations will not forgive us if we fail to answer it convincingly.

### [FCEA: The Swiss Resolution on Geoengineering and its Governance](#)

Switzerland with the support of 10 other countries developed a resolution on “geoengineering and its governance.” The Forum for Climate Engineering Assessment prompted a range of experts to comment.

### [Climate Interactive: Big Updates Coming for En-ROADS, Our Climate Solution Simulator](#)

“This new tool will put the best available science on climate change solutions at your fingertips, so you can show others what is needed to address this global challenge.”

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## C2G2 Translations

C2G2政策简报和信息图现在提供中文版：

- 2018年11月 [政策摘要: 治理人工影响太阳辐射](#) (pdf)
- 2018年11月 [政策摘要: 治理大规模二氧化碳移除](#) (pdf)
- 2018年11月 [资料图: 治理人工影响太阳辐射](#) (pdf)
- 2018年11月 [资料图: 治理大规模二氧化碳移除](#) (pdf)

Les notes de politique et infographies de C2G2 sont désormais disponibles en français:

- Nov 2018 [Notes de politique: Gouvernance de la modification du rayonnement solaire](#) (pdf)
- Nov 2018 [Notes de politique: Gouvernance de l'élimination à grande échelle du dioxyde de carbone](#) (pdf)
- Nov 2018 [Infographie: Gouvernance de la modification du rayonnement solaire](#) (pdf)
- Nov 2018 [Infographie: Gouvernance de l'élimination à grande échelle du dioxyde de carbone](#) (pdf)
- Fev 2019 [La géo-ingénierie: le besoin de gouvernance](#) (pdf)
- Nov 2018 [Gouvernance de l'élimination à grande échelle du dioxyde de carbone : Sommes-nous prêts?](#) (Résumé pour les décideurs)

Los informes sobre políticas e infografías de C2G2 ahora están disponibles en español:

- Nov 2018 [Informe sobre políticas: Gobernanza de la modificación de la radiación solar](#) (pdf)

Nov 2018 [Notes de politique: Gobernanza de la eliminación de dióxido de carbono a gran escala](#) (pdf)

Nov 2018 [Infografía: Gobernanza de la modificación de la radiación solar](#) (pdf)

Nov 2018 [Infografía: Gobernanza de la eliminación de dióxido de carbono a gran escala](#) (pdf)

Feb 2019 [Geoingeniería: la necesidad de gobernanza](#) (pdf)

Nov 2018 [Gobernanza de la eliminación de dióxido de carbono a gran escala: ¿Estamos listos?](#) (Resumen para legisladores)

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**CARNEGIE**  
**COUNCIL** *for Ethics in International Affairs*

C2G2, an initiative of [Carnegie Council for Ethics in International Affairs](#), seeks to catalyse the creation of effective governance for climate geoengineering technologies by shifting the conversation from the scientific and research community to the global policy-making arena, and by encouraging a broader, society-wide discussion about the risks, potential benefits, ethical and governance challenges raised by climate geoengineering. The C2G2 initiative is not for or against the research, testing or potential use of climate geoengineering technologies. That is a choice for society to make.

