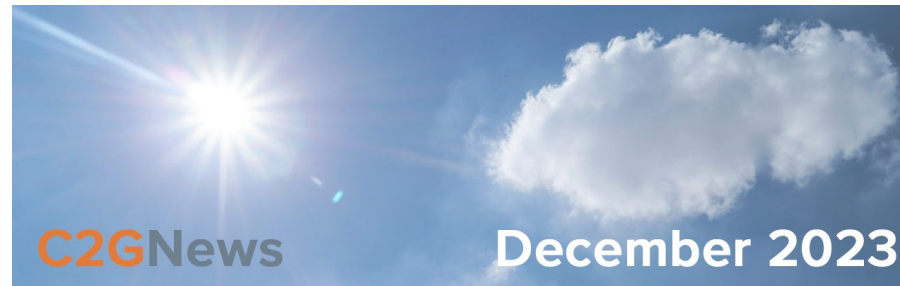


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Dear Friend,

This is the last Newsletter you will be receiving from C2G as it formally closes down at the end of this year.

As 2023 now draws to a close, temperature records continue to be broken across the planet and the scale and pace of climate change continues to accelerate. But despite increasing loss, damage, and disruption from the intensification of extreme weather and other impacts across the globe, emissions of greenhouse gases continue to rise.

While the latest international climate talks (COP28) made some progress towards addressing emissions reductions, international action continues to remain too little, and too late, to keep average global temperature rise well below 2°C, let alone 1.5°C. In the words of the UN Secretary-General, “the emissions gap is now more like a canyon, littered with broken promises, broken lives, and broken records”. There are of course many good developments, such as accelerating investment into clean energy, and indications that the growth of greenhouse gas emissions is slowing. But the hour is late, and the risks from insufficient action are growing. The planet is entering an increasingly warm phase – not felt since humans first walked the earth.

In the context of these growing risks, these final months of our work have seen the emergence of some significant developments relevant to the governance of largescale carbon dioxide removal (CDR) and solar radiation modification (SRM) at national and international levels. After seven intense years working to elevate this topic on national and international agendas, these are welcome signs of progress. In the past months alone, we have seen announcements related to

SRM governance from Brussels and Washington, and the publication of reports by several UN entities. More recently, the German government asserted their policy position and the Swiss government have indicated their intention to propose another resolution on SRM to be addressed at the forthcoming sixth meeting of the UN Environment Assembly early in 2024.

Over the past months we have continued engaging with our many interlocutors internationally, while delivering and catalysing further knowledge resources and learning activities including new [videos](#) and [infographics](#), and national and international [events](#). We also took time to reflect on our impact, what changed since we began, and what we learned along the way. In November, we convened a [closing event](#) reflecting on our work and published an [impact and learning report](#) sharing insights from our seven years of operation. We also attended COP28 in Dubai, and noticed many side events and informal gatherings where SRM was on the agenda. This provided an additional indication confirming to us that this is the right time to bring C2G to conclusion.

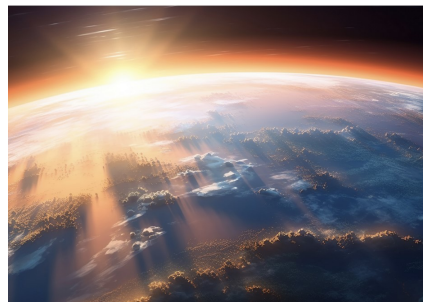
As our work now draws to a close, on behalf of myself and the rest of the team, I would like to take this opportunity to thank our funders for their trust and farsightedness in providing the resources and support enabling us to deliver this timely and important work. I would also like to express gratitude to our many interlocutors in governments, the UN and elsewhere across the world, for their willingness to meet, listen, learn, and engage on this challenging topic.

Much has changed since we first began the C2G initiative. International progress on addressing the root cause of the climate crisis has remained – alarmingly – inadequate. At the same time, consideration of additional climate-altering technologies such as large-scale CDR and even SRM, including issues related to their governance, has been increasing.

As the issue of international governance around these technologies is now more fully emerging onto international agendas, C2G's work is complete. What happens next will be up to societies and their governments to decide at national as well as international levels.

The Carnegie Climate Governance Initiative (2016-2023)

Impact and Learning
November 2023

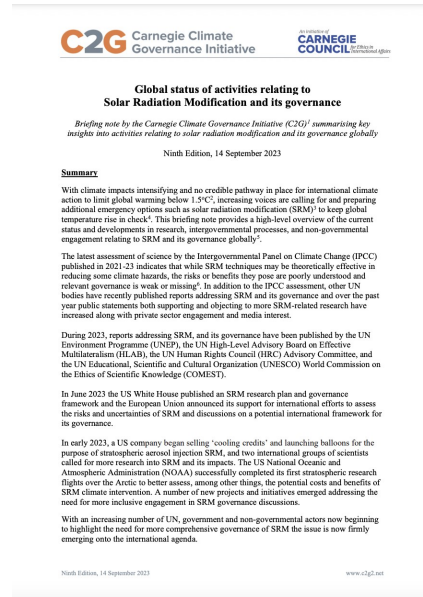


Thank you! It has been a great pleasure for me and my colleagues at C2G to work with you on these issues.

- Janos Pasztor, Geneva, December 2023

What's new....

Impact and Learning Report



[Status of global activities on solar radiation modification and its governance](#)

[– 9th Edition](#)



[Reflections on the C2G initiative](#)

Videos from various interlocutors from government, intergovernmental and non-state actor organisations, reflecting on the C2G initiative.



Reflections on the C2G Youth Climate Voices project

A selection of articles, links, interviews, and video diaries from participants on the C2G Youth Climate Voices project delivered between 2022-2023.

C2GTalk

Why does the world now need to consider solar radiation modification?

Coming soon

An interview with Kim Stanley Robinson, American science fiction writer. Author of 'The Ministry for the Future'.



What research is needed on solar radiation modification?

Coming soon

An interview with Gabriela Ramos, Assistant Director-General for the Social and Human Sciences of the United Nations Educational, Scientific and Cultural Organization's (UNESCO)



How could the world govern new approaches to tackle climate change?

An interview with Andy Reisinger, Former vice chair of WGIII of the IPCC and Honorary Associate Professor, Institute for Climate, Energy and Disaster Solutions, Australian National

University



Should Global South scientists engage in solar radiation modification research?

An interview with Inés Camilloni, Professor, University of Buenos Aires, and Vice-chair of the Intergovernmental Panel on Climate Change



Working Group I



How can young people take part in SRM governance?

An interview with Clara Botto, Co-Founder of Solar Radiation Modification Youth Watch



How can young people in the Global South engage in the governance of solar radiation modification?

An interview with Nii Noi Omaboe, Youth Climate Leader

Streaming audio content from C2GLearn, C2GDiscuss and C2GTalk is available on [Apple Podcasts](#) and [Spotify](#) in video on [YouTube](#), and on the [C2G](#) and [Carnegie Council of Ethics in International Affairs](#) (CCEIA) websites, including interpretation from English into Chinese, French, and Spanish.



Events

The Delivery of C2G's Mission: A catalytic journey toward governance of large-scale CDR and SRM – perspectives from stakeholders

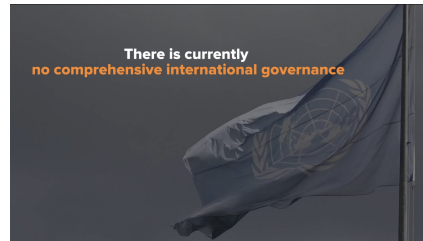
C2G will close-down at the end of 2023. As part of our final activities, C2G planned a hybrid event on 30 October to celebrate C2G's 7 years of achievement and share lessons learned looking back at major challenges, advancements and milestones related to the governance of CDR and SRM, as well as to provide an opportunity to look ahead to all that has yet to be accomplished.



Global Dialogue on Climate Cooperation and Governance

A virtual event between the Institute for Sustainable Development Goals, Tsinghua University (TUSDG), Center for Industrial Development and Environmental Governance,

Tsinghua University (CIDEG), and Carnegie Climate Governance Initiative (C2G)



New Explainer Videos

[Solar Radiation Modification: The need for governance](#)



[Solar Radiation Modification and the Intergovernmental Panel on Climate Change](#)

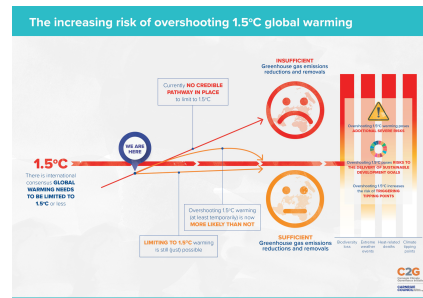


[moral imperative](#)

[Solar Radiation Modification: governance options](#)

[Solar Radiation Modification: Moral hazard,](#)

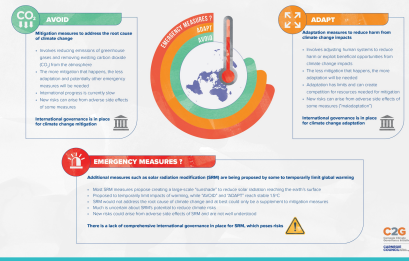


[trade-offs](#)[Solar Radiation Modification: governance gaps and challenges](#)[Solar Radiation Modification and the](#)[Sustainable Development Goals](#)

New Infographics

[The increasing risk of overshooting 1.5°C global warming](#)

Managing the risks from overshooting 1.5°C global warming



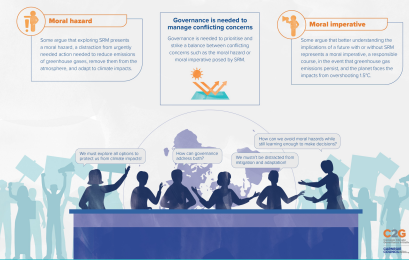
Managing the risks from overshooting 1.5°C global warming

Solar radiation modification: governance gaps



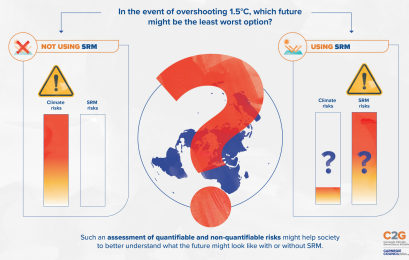
Solar Radiation Modification: governance gaps

Solar radiation modification: Moral hazard? Moral imperative? Or both?



Solar Radiation Modification: Moral hazard? Moral imperative? or both?

Risk-risk assessment: understanding future risks with or without solar radiation modification



Assessing future risks with or without Solar Radiation Modification

C2G Team in the Media

9 December [COP28 “Youth Innovation and Sharing a Green Future” side event](#) was held in Dubai
[Sohu.com](#)

- 25 November [Geoengineering May Be The Least Worst Climate Solution](#) Steve Hanley, CleanTechnica

- 22 November [Solar geoengineering is becoming a respectable idea](#) The Economist

11 November [Evitar las lluvias y disminuir el calor: cómo son los métodos de control del clima que exploran los expertos](#) Rubén Guillemí, La Nación

- 10 November [The solar geoengineering ecosystem: key actors across the landscape of the field](#)
The Alliance for Just Deliberation on Solar Geoengineering

- 21 September [Colapso climático, geoingeniería y negocios](#) Silvia Ribeiro, El Ciudadano

14 September [The consequences of darkening the Sun were evaluated: “It will take a thousand years”](#)
Independent Turkish

- 9 September [Geoengineering: “A very expensive, dirty business”](#) Siobhan Geets, Profil

- 9 September [Colapso climático y geoingeniería](#) Silvia Ribeiro, Jornada

30 July [Qué es la geoingeniería, qué proyectos existen en el mundo y por qué es falso que sea la causa del cambio climático](#) Matias Avramow, Chequeado

- 27 July [Geoengineering: Irrsinn oder Klima-Rettung?](#) Franziska Dzugan, Siobhán Geets, and Christina Hiptmayr

C2GLearn, C2GDiscuss and C2GTalk are available in Chinese, French and Spanish



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Tell us what you think!

We welcome feedback and suggestions on our content and work. If you would like to share comments with us, please send an email to: contact@c2g2.net



C2G, an initiative of [Carnegie Council for Ethics in International Affairs](#), seeks to catalyse the creation of effective governance for emerging climate technologies and approaches, in particular for solar radiation modification and large-scale carbon dioxide removal. To achieve this, it aims to expand the conversation from the scientific and research community to the global policy-making arena, and to encourage society-wide discussions about the risks, potential benefits, and ethical and governance challenges. C2G is Impartial: it is not for or against the research, testing or potential use of any proposed method or technology. These are choices for society to make.



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