

New policy recommendations for solar container science and engineering

Will the EU be more open to solar geoengineering?

The Heinrich Boell Foundation is concerned that the recommendations presented today could lead to more openness to solar geoengineering in the EU. So far, the EU has taken a clear position and ruled out solar geoengineering as a response to the climate crisis.

Are solar geoengineering research programs on national agendas?

Solar geoengineering research programs on national agendas: a comparative analysis of Germany, China, Australia, and the United States. *Clim. Change*. 2023; 176: 37 Congressionally Mandated Research Plan and an Initial Research Governance Framework Related to Solar Radiation Modification.

Should solar geoengineering be a cross-cutting interdisciplinary research program?

Siting climate research centers around the world and giving them unrestricted funding to research climate action, including solar geoengineering, would be an appropriate context for a cross-cutting, interdisciplinary research program structured to further those goals. Creating a new institution on this scale is a bold proposal.

Could solar geoengineering reduce climate risks?

Congressionally Mandated Research Plan and an Initial Research Governance Framework Related to Solar Radiation Modification. Solar geoengineering could substantially reduce climate risks--A research hypothesis for the next decade. © 2023 The Authors. Published by Elsevier Inc.

Do solar projects have to comply with environmental regulations?

Solar projects must also comply with environmental licensing regulations to minimize ecological impacts (IEA, 2019). 4.8. Italy Italy has made considerable progress in solar power, with over 24 GW of capacity installed by 2023.

How can academic institutions contribute to research and technological advancements in solar energy?

Academic institutions are key contributors to research and technological advancements in solar energy. Governments can leverage the expertise of universities and research institutions through collaborative research programs and funding (IEA, 2022c).

To address these gaps, we examine how European policy actions aimed at building a local solar PV supply chain affect global trade flows and quantify the associated environmental and ...

Flexible yard space allocation plan for new type of automated container terminal equipped with unilateral-cantilever rail-mounted gantry cranes

Article "Risk Assessment and Policy Recommendations for a Floating Solar Photovoltaic (FSPV)

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System" Detailed information of the J-GLOBAL is an information service managed by the Japan ...

As shown in Table 1, although the material collection step includes only management-relevant literature, sustainable shipping management is a multidisciplinary research field covering ...

This study provides a comprehensive overview of the risks and challenges associated with floating solar photovoltaic (FSPV) systems while ...

Read the new report by the National Academies of Sciences, Engineering, and Medicine What is solar geoengineering? While efforts to ...

This study provides a comprehensive overview of the risks and challenges associated with floating solar photovoltaic (FSPV) systems while identifying the best ways to promote the growth ...

For the first time, the U.S. released a research plan on this emerging technology. This digest explores the state of the field, an overview of ...

This study provides a comprehensive overview of the risks and challenges associated with floating solar photovoltaic (FSPV) systems while identifying the ...

Policy and Global Affairs This prepublication version of Reflecting Sunlight: Recommendations for Solar Geoengineering Research and Research Governance has been provided to the public to facilitate ...

It has been critically observed that the development regulatory framework/guidelines and innovative business models, build up capacity of local ...

These automated ports provide good foundations for the application and verification of new smart technologies on container ports. Therefore, leading smart port research in the future is ...

Climate change is creating impacts that are widespread and severe for individuals, communities, economies, and ecosystems around the world. While efforts to ...

Using insights from CGIAR's successes and failures, we examine key considerations for policymakers and donors considering institutions or ...

Consensus Study Reports published by the National Academies of Sciences, Engineering, and Medicine document the evidence-based consensus on the study's statement of task by an authoring committee ...

It is widely acknowledged that the solar energy markets have experienced increasing interest in the last decade in South Korea, due to a significant economic and ecological impact of ...

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Journal of Marine Science and Engineering is an international, peer-reviewed, open access journal on marine science and engineering, published monthly online by ...

INDEX TERMS Floating solar photovoltaic system, risk assessment, policy formulation, risks, and challenges in floating solar.

Responsibility Committee on Developing a Research Agenda and Research Governance Approaches for Climate Intervention Strategies that Reflect Sunlight to Cool Earth ; Board on Atmospheric ...

Our analysis has policy relevance not only for SG research but for research into climate intervention technologies more broadly, as the same gaps and limitations we find here are likely to ...

A new direction toward lighter, denser, and faster-deployment solar arrays is motivating Future Trends in Solar Technology: The Evolution of ...

Environmental Science, Engineering Risk management and healthcare policy 2021 TLDR This review is a first-of-its-kind effort to highlight the contextual risk factors in the emerging FSPV sector and the ...

National Academies of Sciences, Engineering, and Medicine. 2021. Reflecting Sunlight: Recommendations for Solar Geoengineering Research and Research Governance.

An array of technical solutions to serve as alternative power have emerged, including fuel cells, waste heat recovery, solar or wind power, and shore-to-ship power (see Fig. 2 for detailed ...

ABSTRACT This study provides a comprehensive overview of the risks and challenges associated with floating solar photovoltaic (FSPV) systems while identifying the best ways to promote the growth ...

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This Special Issue focuses on presenting new engineering or operational research related to container port operations, container logistics for port entry and exit, hinterland connectivity, ...

Guidelines for Operation and Maintenance of Photovoltaic Power Plants in Different Climates Report IEA-PVPS T13-25:2022 October 2022

Apart from traditional rooftop and land solar setups, floating solar systems (FPVC) are attracting attention in the energy sector because of the non ...

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In their Policy Forum article "Sustainable minerals and metals for a low-carbon future" (3 January, p. 30 - 33), B. K. Sovacool et al. proposed four ...

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