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The Ocean Solution for the Climate Crisis

Lecture #08
on Nov 05 / 2024 / 2 p.m

// Prof. Dr. Katja Matthes is a climate researcher
and Director of the GEOMAR Helmholtz Centre for
Ocean Research Kiel.

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The Ocean – Solution for the Climate Crisis

The ocean offers a portfolio of measures for carbon dioxide removal and solutions for unavoidable residual emissions. The impact of these measures on the ocean and the protection of this vital ecosystem must be carefully and thoroughly assessed. To overcome these complex challenges (legal framework, scientific basis, technological issues, socio-economic aspects, etc.) we need reliable research results, and it is our mission to responsibly evaluate ocean-based approaches that remove carbon dioxide from the atmosphere. Safe marine carbon storage options, alkalinization and restoration, e. g., of seagrass meadows, are investigated across all marine research disciplines. Ultimately, we must succeed in making the transition to a climate-neutral society while the most appropriate solution is to reduce our emissions.



About the lecturer

Prof. Dr. Katja Matthes is a climate researcher and Director of the GEOMAR Helmholtz Centre for Ocean Research Kiel. Understanding the ocean system, particularly under the aspects of climate change, is the motivation for her research and knowledge transfer. She is co-author of the current 6th Assessment Report of the IPCC (Intergovernmental Panel on Climate Change) and board member of the German Marine Research Alliance.



The event will take place in the Green Lecture Hall of the Arthur-von-Weinberg-Haus, Senckenberg Research Institute and Natural History Museum, Frankfurt/M.

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