

Speakers of Heinz Maier-Leibnitz Prize Online Conference 2022

Online Conference “Planetary boundaries and social dynamics of decarbonization”, 14th December 2022

Opening remarks



Dr. Ingrid Krüßmann, Director, DFG Office Japan; Deputy, International Affairs; Head, Sino-German Center for Research Promotion, Deutsche Forschungsgemeinschaft (DFG, German Research Foundation)

[DFG Head Office: Dr. Ingrid Krüßmann](#)

Closing remarks



Axel Karpenstein, Director, Tokyo office of the German Academic Exchange Service (DAAD); Director, German Centre for Research and Innovation Tokyo (DWIH Tokyo)

[Außenstelle Tokyo - DAAD Japan](#)

DFG Heinz Maier-Leibnitz Prize winners of 2019



Dr. Jonathan Donges is Co-Leader of the FutureLab on Earth Resilience in the Anthropocene and Working Group Leader on Whole Earth System Analysis in Research Department on Earth System Analysis of the Potsdam Institute for Climate Impact Research. He interacts closely with PIK's Complexity Science Department (RD4) in the scope of the COPAN collaboration.

His research work focusses on dynamics of planetary-scale socio-ecological systems, climatic and social tipping elements, their dynamics and interactions, decarbonization dynamics and sustainability transformation, conceptual models of society-environment coevolutionary dynamics, structure and dynamics of complex networks, nonlinear dynamics and time series analysis, and application of these methods to climate physics and Earth system analysis.

[DFG, German Research Foundation - Dr. Jonathan F. Donges - Heinz Maier-Leibnitz Prizewinner 2019](#)



Dr. Stefan Aykut is Assistant Professor of Sociology and Director of the Center for sustainable society research (CSS) at the University of Hamburg. He studied Social and Political Sciences and History at the FU Berlin, Sabanci University Istanbul and École des Hautes Études en Sciences Sociales Paris (EHESS). In his research, he examines how modern societies engage with global ecological problems - especially climate change - how ecological crises are scientifically interpreted, politically processed and channeled into programs of social change, and how new conflicts, but also new forms of social coordination, emerge in this process. Stefan published extensively on global climate governance and national energy transitions, and (co-)authored *Gouverner le climat? 20 ans de négociations internationales* (Presses de Sciences Po, 2015), *Globalising the climate: COP21 and the 'climatisation' of global debates* (Routledge, 2017) and *Climatiser le monde* (Quae, 2020).

[DFG, German Research Foundation - Prof. Dr. Stefan Cihan Aykut - Heinz Maier-Leibnitz Prizewinner 2019](#)

Moderator



Dr. Anna-Julia Saiger is Research Assistant at the Institute for Media and Information Law Department II: Public Law, Albert Ludwigs Universität Freiburg and Fellow at the Integrative Research Institute Law and Society at Humboldt University Berlin. She studied law at Freiburg University, Université Paris 1 Panthéon-Sorbonne and Università degli Studi – La Sapienza in Rome and obtained a Master of Laws (LL.M.) at King's College in London in 2017 and a doctoral degree at Humboldt University in Berlin in 2022. Dr. Saiger was research associate at the Independent Institute for Environmental Issues in Berlin and gained practical and international experience at law firms in Berlin and Paris. In her research she focusses on international climate change law, sustainability governance and comparative international law.

Panelists



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Interactive Workshop: ClimateTimeMachine – Time Travel Into the Climate Future, 15th December 2022

Moderator



Daniel Tamberg is SCIARA ideator and co-founder. In 2019, he reflected, after nearly 30 years in the IT industry, on how he could use his knowledge and skills to do something even more meaningful with his life. He recalled the almost decade-old observation he had had after reading the classic book “Limits to Growth”: In scientific models of climate and economics, people appear only as formulas and algorithms. What if instead scientific models of the natural and technical environment were brought together with real people as in a simulation game?

He contacted two scientists from the Potsdam Institute for Climate Impact Research (PIK) who work in the field of so-called agent-based systems. They saw the potential directly. Together they also convinced Johan Rockström, one of the institute’s directors, to let PIK accompany the project.