

The Anthropocene: addressing its challenges for humanity – crossing the boundaries of science

Monday, June 24, 2024 - Wednesday, June 26, 2024

Max-Planck-Institute of Geoanthropology/Dorint Hotel Esplanade

Scientific Program

Crossing Boundaries 2024
24-26 June 2024, Jena

The Anthropocene – how do we deal with this complex long-term global challenge

Day 1 (afternoon) – What do we know and what knowledge is missing?

Welcome by Gerald Haug, Patrick Cramer, Jürgen Renn & Thomas Lengauer.

This half day will start with a talk introducing the theme of the meeting. It will then feature talks that summarize the extent and (actual and principal) limitations of our present knowledge of the Anthropocene that has been acquired by scientific research in the fields of climate research, Earth system sciences, geology, life sciences and history as well as a talk on the methodical aspects of dealing with complex systems like the Earth System.

All talks on day 1 discuss phenomenological issues of the Anthropocene, are directed at the implications for human action and cover the entire span of mitigation, adaption and correction.

Confirmed speakers: Ricarda Winkelmann, Francine McCarthy, Ana Bastos, Jochem Marotzke, Geoffrey West

Evening Lecture by Andrea Wulf.

Day 2 (whole day) – Who are the key actors addressing the challenges of the Anthropocene?

The objective of this day is to identify key actors in influencing the complex dynamics of the Anthropocene and move beyond presenting history and the current state to open up new perspectives for action. Insights into the interacting levels of agency (from individuals to global institutions) are to be gained from the natural and social sciences, from the humanities, and in particular, from the fields of local and global governance, economics, sociology, communication, cognition and psychology.

Confirmed speakers: Kathrin Böhning-Gaese, Ursula Rao, Manjana Milkoreit, Leonie Wenz, Ilona Otto, Philipp Staab, Damaris Zurell, Mark Williams, Giulia Rispoli

Day 3 (half day) – What are main leverage points?

On this day scholars, deciders, and stakeholders come together in order to identify concrete next steps for science and society from what has been discussed in the previous days. Three panels will address methods, practices, and consequences, respectively.

Panel I: Methods

Panel II: Practices

Panel III: Consequences

Moderators: Antje Boetius, Fritz Habekuß

Confirmed speakers: Onno Oncken, Ana Sequeira, Franz Mauelshagen, Dirk Messner, Laurie Erlam, Bernd Scherer, Jürgen Renn, Ricarda Winkelmann, Thomas Lengauer, Manfred Laubichler, Gerald Haug, Joyeeta Gupta

