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LECTURE
SERIES

A Safe and Just Future for Humanity on Earth



Lecture #04
on November 7 / 2023
2 p.m.

// Johan Rockström is Director of the Potsdam Institute
for Climate Impact Research and Professor of
Earth System Science at the University of Potsdam.

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A Safe and Just Future for Humanity on Earth

After 11,000 years of remarkably stable climate that created conditions conducive to the evolution of civilizations, humanity is confronted with multiple global crises. This talk gives a scientific update of the risks of destabilizing the planet, providing evidence that six of nine Planetary Boundaries are already transgressed today, and in turn offering a new definition of sustainability. The increasing frequency and amplitude of extreme events is just one consequence of overshooting the 1.5°C global warming limit – a real biophysical limit, not just a political target – beyond which multiple tipping points in the Earth system are not only likely to be triggered, but run the risk of setting off tipping cascades.

About the lecturer

Johan Rockström is Director of the Potsdam Institute for Climate Impact Research and Professor of Earth System Science at the University of Potsdam. He is an internationally-recognized scientist on global sustainability issues and led the development of the Planetary Boundaries framework for human development in the current era of rapid global change. Professor Rockström is a leading scientist on global water resources, with more than 150 research publications in fields ranging from applied land and water management to global sustainability.

The event will take place at the Frankfurt location in the Green Lecture Hall of the Arthur-von-Weinberg-Haus (the lecture will be recorded and made available via our webpage afterwards).

For further information
[Senckenberg.de/distinguished-lectures](https://www.senckenberg.de/distinguished-lectures)

