

Exploring Equitable and Climate Compatible Futures

Mitigating climate change requires urgent global efforts. However, the world is starkly unequal in terms of the responsibility for emissions, the financial and technological capacity to take immediate action, vulnerability to climate change, and the capacity to adapt. It is in this context that one must assess the series of global mitigation targets that have emerged from climate policy decisions in recent years. These decisions refer to targets for GHG emissions reduction that are based on the modelled pathways or scenarios assessed by the IPCC. None of these IPCC scenarios meet the Sustainable Development Goals (SDGs), and all of them project a higher mitigation burden on some of the poorest regions of the world while allowing richer countries to continue using fossil fuels even till 2050. This talk will unpack the underlying regional assumptions in the IPCC's global modelled pathways, and also present an alternative framework for modelling and scenario building that foregrounds the questions of equity and climate justice in achieving a climate compatible world.



Tejal Kanitkar

National Institute of Advanced Studies, Bengaluru

Tejal Kanitkar is an Associate Professor in the Energy, Environment, and Climate Change Program, in the School of Natural Sciences and Engineering, at NIAS. She is a mechanical engineer by training and has worked on in the area of energy and climate studies since 2006. Her research interests lie in the areas of energy, development, and climate policy. She works on trying to integrate perspectives from the natural sciences, engineering, and social sciences to understand the interconnected aspects of energy production, environmental constraints, and economic development, with a perspective that prioritizes equity in the era of acute environmental crises such as climate change. Tejal did her PhD in energy science and engineering from the Indian Institute of Technology, Bombay, a master's in mechanical engineering at the University of Massachusetts, Amherst, and a bachelor's in mechanical engineering in Mumbai University.

3:30 PM, 4th June 2024

Zoom link: <https://shorturl.at/CTBWx>

Meeting ID: 975 3272 7145

Passcode: 202406

Madhava Lecture Hall, ICTS, Bengaluru