

AES Klima-Dynamik (730)

The Climate Dynamics working group of the atmospheric department of the Max Planck Institute for Meteorology explores how atmospheric processes act as part of the earth's climate system. The goal is to understand how integrative properties of the climate system are determined. We use basic theory as well as a hierarchy of climate models of different complexity.

Special focus of our research is given to:

- climate sensitivity and variability
- tropical dynamics
- storm tracks and precipitation
- planetary albedo
- polar amplification of climate change