

KlimaCampus Kolloquium

Dr. Philippe Ciais

at the Invitation of the Max Planck Institute for Meteorology

Attribution of Climate Change to Long-Lived and Short-Lived Forcers

A simple, but fully coupled model is used to attribute the climate feedbacks of temperature changes induced by emissions of a range of long-lived greenhouse gases and short-lived species, aerosols and tropospheric ozone precursors. I will show how the forcing of short-lived species can legate a long-term effect on climate through their impact on the carbon cycle, and how the current radiative forcing can be attributed historical emissions from different regions.

KlimaCampus Hamburg

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