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Revisiting the Forcing and Feedback Framework of Climate Response

IPCC reports have extensively used the concepts of radiative forcing and climate feedbacks to help understand expected climate response. In recent years new methods have been developed to estimate forcings from standard climate model diagnostics. These forcing estimates include "rapid adjustments" to the troposphere. The talk will discuss the idea of rapid adjustment, its physical interpretation, and its implication for our understanding of climate feedbacks and future climate change.