

Eric Nienhouse - Chair

CMIP6 Analytics and Workflows Panel

Most academic researchers do not have the resources to manage, download, store, and analyze large portions (often tens or hundreds of terabytes) of the 2 PB of data published worldwide from the Coupled Model Intercomparison Project Phase 5 (CMIP5). This big data problem will be exacerbated in Phase 6, with data volumes expected to be 10 or 20 times larger than in CMIP5. If the barriers to accessing and analyzing CMIP data are not addressed, the worldwide academic community will be left further behind in their ability to do climate change research. This panel will present and discuss existing challenges, current approaches and future directions to addressing the CMIP research community needs.