



**Climate Program Remote Sensing Workshop
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SPEAKER TITLES/ABSTRACTS

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“The Earth System Grid Federation as a Testbed for Global, Distributed Data Analytics”

The Earth System Grid Federation (ESGF) is a large international collaboration that operates a global infrastructure for management and access of Earth System data. Some of the most valuable data collections served by ESGF include the output of global climate models used for the IPCC reports on climate change (CMIP3, CMIP5 and the upcoming CMIP6), regional climate model output (CORDEX), and observational data from several American and European agencies (Obs4MIPs). This talk will present a brief introduction to ESGF, describe the data access and analysis methods currently available or planned for the future, and conclude with some ideas on how this infrastructure could be used as a testbed for executing distributed analytics on a global scale.