

## The Climate-G testbed: issues, requirements and results

*Thursday, 16 September 2010 11:25 (20 minutes)*

The main goal of this talk is the Climate-G testbed. It is a data-oriented research effort conceived in the context of the EGEE Earth Science Cluster and devoted to the Climate Change community. Climate-G is a distributed testbed addressing challenging data and metadata management issues at a very large scale. The testbed is an interdisciplinary effort joining expertise in the field of climate change and computational science. The main goal of Climate-G is to allow scientists carrying out geographical and cross-institutional data discovery, access, visualization and sharing of climate data. The involved partners come from Europe and USA and an EGEE VO has been established to support the scientific activities. Main achievements of this testbed are the distributed data/metadata architecture (exploiting the GRelC service), the monitoring infrastructure, the harvesting system and the scientific gateway of the testbed (Climate-G Portal). The presentation will discuss the main requirements coming from this community, the most relevant issues and results related to this testbed.

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**Session Classification:** Heavy User Communities - Requirements