Geophysical Research Abstracts
Vol. 13, EGU2011-6444, 2011
EGU General Assembly 2011

Monitoring, registry, browsing and access functionalities in the Dash-G system

Sandro Fiore and Giovanni Aloisio
Euro-Mediterranean Centre for Climate Change and University of Salento, Lecce, Italy (sandro.fiore@unisalento.it)

The Dash-G system is a web-based application providing monitoring, registry, browsing and access functionalities. It allows to monitor set of host/services grouped into the same logical - project - entity (the project abstraction allows to monitor at the same time several host/services running in different contexts). Moreover, it provides browsing functionalities to access to THREDDS servers and access capabilities to manage OPeNDAP resources.
A registry interface is also available to manage into the same web-page all of the OPeNDAP servers belonging to the same project.
The Dash-G system provides different monitoring views: project, host and service based. The service one consists of a dashboard with several charts and reports about the service availability, round trip time from the central location, other useful statistics and data summaries. Views, charts and reports can be customized by the user from different points of view.
According to the Web2.0 approach, each view can be easily exported in other web-applications, just adding a permalink into the target web page. This feature has been strongly exploited in other contexts like the Climate-G testbed, the IS-ENES project and the GRelC project. These three use cases will be presented during the talk.
It is worth noting here that, each view can be exported both with and without authentication. This allows to implement several use cases according to different security requirements.
A strong adoption of mash-up and google-maps along with a community-driven approach and a high-level of re-usability represent the most tangible Web2.0 aspects that can be found within this project.