

## **Grid and Fabric Monitoring Integrated for gLite-based Sites**

Cristina Aiftimiei, Sergio Andreozzi, Guido Cuscela , Stefano Dal Pra, Giacinto Donvito

Vihang Dudhalkar, Sergio Fantinel

Enrico Fattibene, Giuseppe Misurelli

Antonio Pierro

INFN-PD, INFN-PD/LNL, INFN-CNAF, INFN-BARI, Italy

[sergio.andreozzi@cnafe.infn.it](mailto:sergio.andreozzi@cnafe.infn.it)

The activity of monitoring a Grid site is essential for the operations and management of a whole Grid system. This activity should integrate both traditionally fabric-oriented metrics and new Grid-related parameters in order to enable visibility of the set of resources provided by a site from the Grid perspective.

In our paper, we present an approach to this activity that highlights the benefits of the integration of two complementary tools. The first tool is GridICE, a monitoring system developed by INFN and designed specifically for Grids. The second tool is LeMon, a scalable fabric monitoring tool developed by CERN.

The recent evolutions of these tools and their integration offer a complete solution for the the monitoring of Grid sites from both site administrator and Grid operator perspectives. The new integrated versions of the products are in the process of being updated in the gLite middleware.