Contribution ID: **97**   Type: **oral presentation**

CNES GRID EXPERIENCES AND PLANS FOR SPACE APPLICATIONS

Friday 11 May 2007 11:20 (20 minutes)

Describe the scientific/technical community and the scientific/technical activity using (planning to use) the EGEE infrastructure. A high-level description is needed (neither a detailed specialist report nor a list of references).

Today, space data processing centers are usually organized in a
centralized workflow of operations as acquisition, archiving, processing
and distribution functions. Scientific laboratories achieve processing
for level 1, 2, 3 products while CNES and other space agencies are
responsible for the system architecture.

Report on the experience (or the proposed activity). It would be very important to mention key services which are essential for the success of your activity on the EGEE infrastructure.

This study consists also in gridifying a
typical scientific application and in providing a set of recommendations
in order to facilitate the deployment gridification phase.

With a forward look to future evolution, discuss the issues you have encountered (or that you expect) in using the EGEE infrastructure. Wherever possible, point out the experience limitations (both in terms of existing services or missing functionality)

The presentation will be focused on the first technical results
in terms of architecture definition, security and CNES experience feedback

Describe the added value of the Grid for the scientific/technical activity you (plan to) do on the Grid. This should include the scale of the activity and of the potential user community and the relevance for other scientific or business applications

In case of future ground
segments or new scientific programs which require huge storage and
processing capabilities, the Grid concept can be an opportunity to
deploy operational distributed applications through Europe (and beyond)
for which CNES can gather and share its computational and storage
resources. This is why CNES has started a new study with CS in
order to examine the gLite grid technology and its potential use in
data processing centers where actors and processing resources are
geographically distributed.

Primary authors: Mr WALLUT, Jean-marie (CNES); Mr COURQUET, Joel (cs si)

Presenter: Mr COURQUET, Joel (cs si)

Session Classification: Experience with application domains