

#### 4.2.6.3 **Task Title : Development of Russian LCG portal**

Task coordinator : E. Nikonov, belonging to team: JINR

Recently interactions between participants of the LCG project have needed improvements of the LCG portal by including of additional services in the structure of the portal. These services formed special information system for monitoring of Russian institutes - participants of LCG project. This system has been realized by using of the web-services with resource monitoring possibilities. The primary prototype of the system is testing now. Moreover additional services for interaction with Monalisa monitoring system had been created.

#### 4.2.5.2 **Task Title : Porting some of the LCG software on the MS Windows .NET platform**

Task coordinator : D.Oleynik, belonging to team: JINR

Because of the very fast changing of LCG software versions we decided to concentrate our attention on the improvement of LCG portal functionalities based on the web-services developed in the framework of .NET platform. These web-services destine for monitoring of the disk and processor resources usage and are capable to collect and give information about disk and processor resources for collaborations Russian segment GRID LCG is created.

Po monitoringu (Pose Viktor)

Currently MonALISA server and repository are installed at the JINR cluster. Information from MDS's of the RDIG sites and from JINR LCG-2 cluster PBS is gathered by the MonALISA service and made accessible through a web interface in form of bar charts representing the current state, graphs showing the history and tables showing statistics. For the Virtual Organizations ALICE, ATLAS, CMS, LHCb, BioMed and Dteam the following information is provided for RDIG sites:

- Running and waiting jobs
- Used and available disk space

Beside this for the JINR LCG-2 cluster the number of total and busy CPU's is provided.

Further work:

- Provide a distribution and documentation for deployment on RDIG sites, to allow gathering of additional information (e.g. accounting) from RDIG sites
- Start a testing/monitoring framework (similar to TestZone Reports)
- Implement gathering of accounting data from Apel
- Provide a web interface for accounting data