

# LIBI: experience with Bioinformatics Applications on EGEE

*Tuesday 25 August 2009 18:00 (45 minutes)*

The LIBI project (International Laboratory of Bioinformatics), a project funded by the Italian Ministry for Education, University and Research (MIUR) has chosen to use the EGEE Grid infrastructure for the execution of its High Throughput applications, i.e. applications that can be decomposed into many smaller independent elementary tasks.

Examples of bioinformatics use cases requiring the submissions to the grid of a large number of jobs will be given. The procedure used for porting bioinformatics applications to the grid will also be described. In particular it will be presented the Job Submission Tool (JST), a tool which was extensively used inside the LIBI project for the management, bookkeeping and monitoring of the large scale submissions to the grid, including its recent developments focused in providing a simple web based interface for the tool.

Examples of the specific procedures adopted for the management of the large number of input and output files used and/or produced during the job execution will be described in detail. The talk will finally cover some open issues on which the work is going on in order to better fulfill the requirement coming from the user community.

**Author:** DONVITO, Giacinto (INFN Bari)

**Presenter:** DONVITO, Giacinto (INFN Bari)

**Session Classification:** Lectures (Tuesday afternoon)

**Track Classification:** Biomedical Sciences