

# **OSG**

## **Area Coordinator's Report: Workload Management**

December 4<sup>th</sup>, 2008

Maxim Potekhin

BNL

631-344-3621

[potekhin@bnl.gov](mailto:potekhin@bnl.gov)

# Overview

## Workload Management

---

- **Current Initiatives:** extensions of the Panda job aggregation and submission service, in particular data movement and security enhancements
  - Finalize work on the Generic Panda Data Mover, that would help in facilitating usage of Panda by non-LHC research groups, without reliance on experiment-specific way of managing transport of large amounts of data
  - Based on previously done integration work on MyProxy and glxexec, build this mechanism into latest versions of Atlas production scripts and in particular the pathena client
  - As a lower priority, we continue to look into improvements of the Panda UI (monitoring for end users)
- **Accomplishments Since Last Report**
  - Glxexec/MyProxy configuration for the Panda Pilot tested on additional OSG sites (SLAC) and at least one EGEE site
  - Ensured interoperability with EGEE/WLCG sites by documenting, and having both sides to agree, on our approach to the security of pilot-based job submission framework. This guarantees continued access of Panda-based VOs (such as Atlas) to European sites, which is an important priority. See: <https://twiki.cern.ch/twiki/bin/view/Atlas/PandaSecurity>
  - As per previous item, built additional security features into Panda server
  - Improved resource usage tracking and logging capabilities of Panda Monitor, which allowed us to trace down and eliminate performance bottlenecks

# Overview

## Workload Management

---

- **Issues / Concerns**

- Finishing work on the Generic Panda Data Mover in a timely fashion is important for furthering our Engagement effort in the part that includes Panda
- Resource management in Panda project delayed pending the above (not enough motivation to push it now)
- EGEE interoperability re: glexec – there are remaining issues with staging out the job data which appear to be Panda configuration issues (work in progress) – but not glexec specific