

UKQCD Grid Status Update

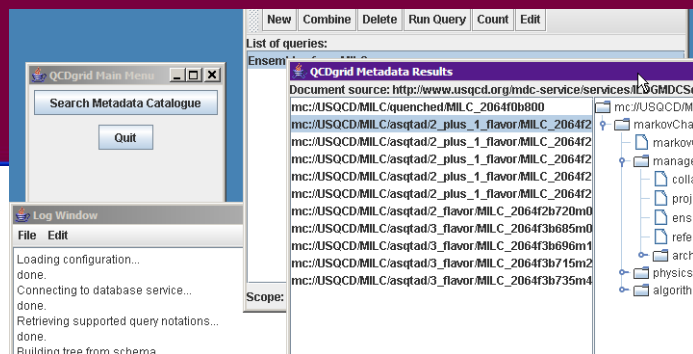
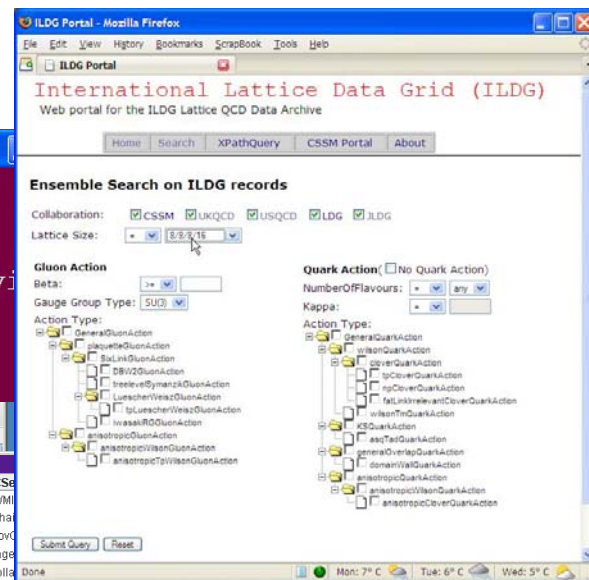
ILDG14 – 5/JUN/2009



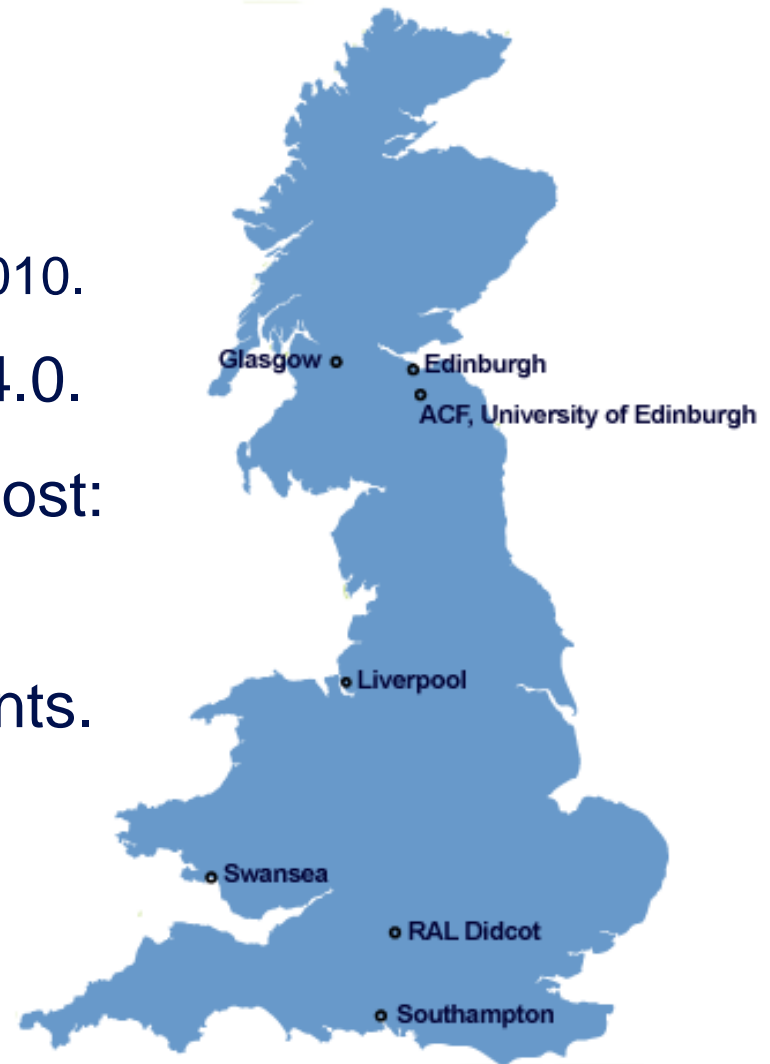
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- UKQCD continues to provide full range of ILDG services:
 - Metadata Catalogue, File Catalogue, Storage Elements,
- Data available via ILDG clients:
 - Ensembles 1, 2, and 3 are published.

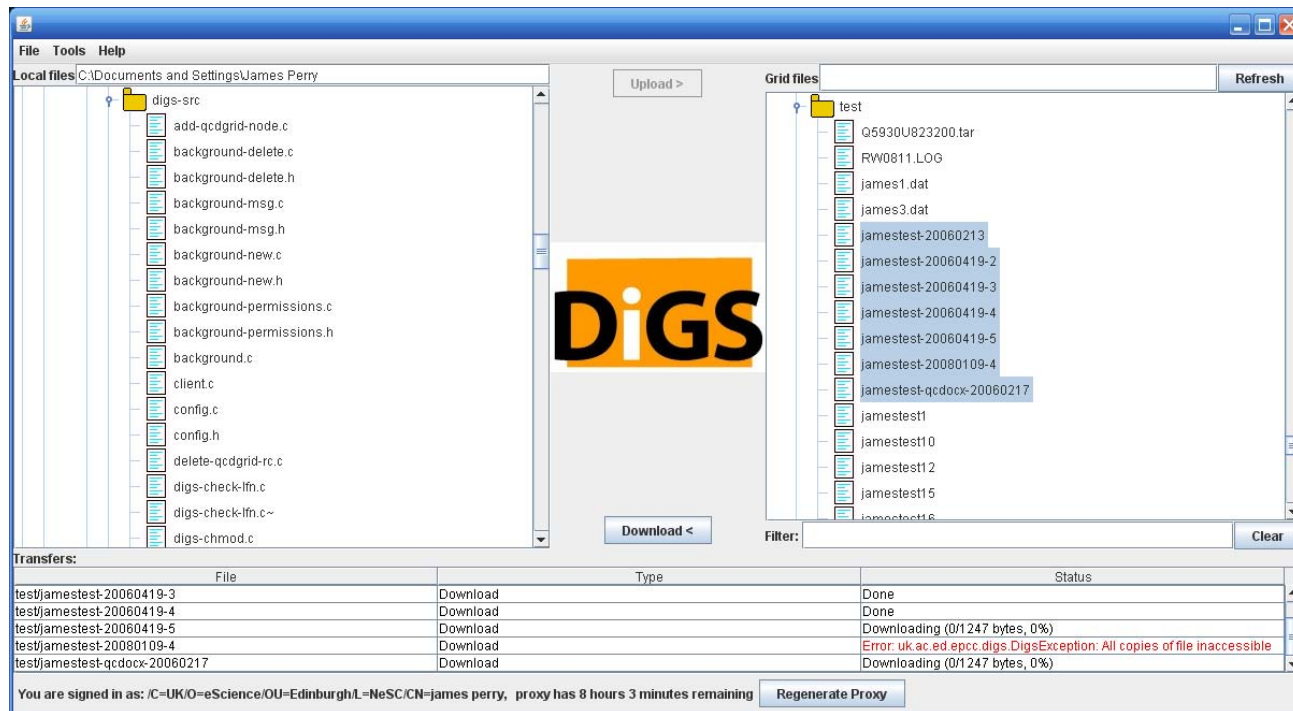
```
george@edqcdgrid:~  
[george@edqcdgrid ~]$ ildg-get \  
> lfn://ukqcd/qcdgrid_project/videos/ildg_browser_ensemble.avi  
[george@edqcdgrid ~]$ ls -l ildg_browser_ensemble.avi  
-rw-r--r-- 1 george users 80772608 Mar 30 12:47 ildg_browser_ensemble.avi  
[george@edqcdgrid ~]$
```



- Six sites in good operation:
 - GridFTP server at RAL has been decommissioned (Mar 09);
 - expect to replace with SRM unit in 2010.
- All sites running Globus Version 4.0.
- ILDG services run on dedicated host:
<http://edqcdgrid.epcc.ed.ac.uk:8080>
“Services.xml” file details end-points.



- DiGS Version 3.0 has been released:
 - From user perspective, very similar to Version 2.0. Majority of changes are *under the hood*.
 - Support for different types of S/E – not just GridFTP.
- Funding proposal in preparation to add SRM support:
 - to allow integration of UK GridPP storage.



- UKQCD hope to have funds for new HPC system, from STFC¹:
 - Expectation is that funding will be available for:
 - Maintenance and development of UKQCD Grid (inc. ILDG contrib).
 - Upgrade/replacement of existing grid hardware during 2009/2010.
- UKQCD allocated storage on UK GridPP resources:
 - Likely to be made available via CASTOR service (SRM-compliant).
- DiGS software to be updated for this:
 - Proposal to support this is progressing.
- George Beckett and Chris Maynard contributing to ILDG paper
 - Details presented elsewhere in meeting.

¹ STFC = Science and Technology Facilities Council (UK).