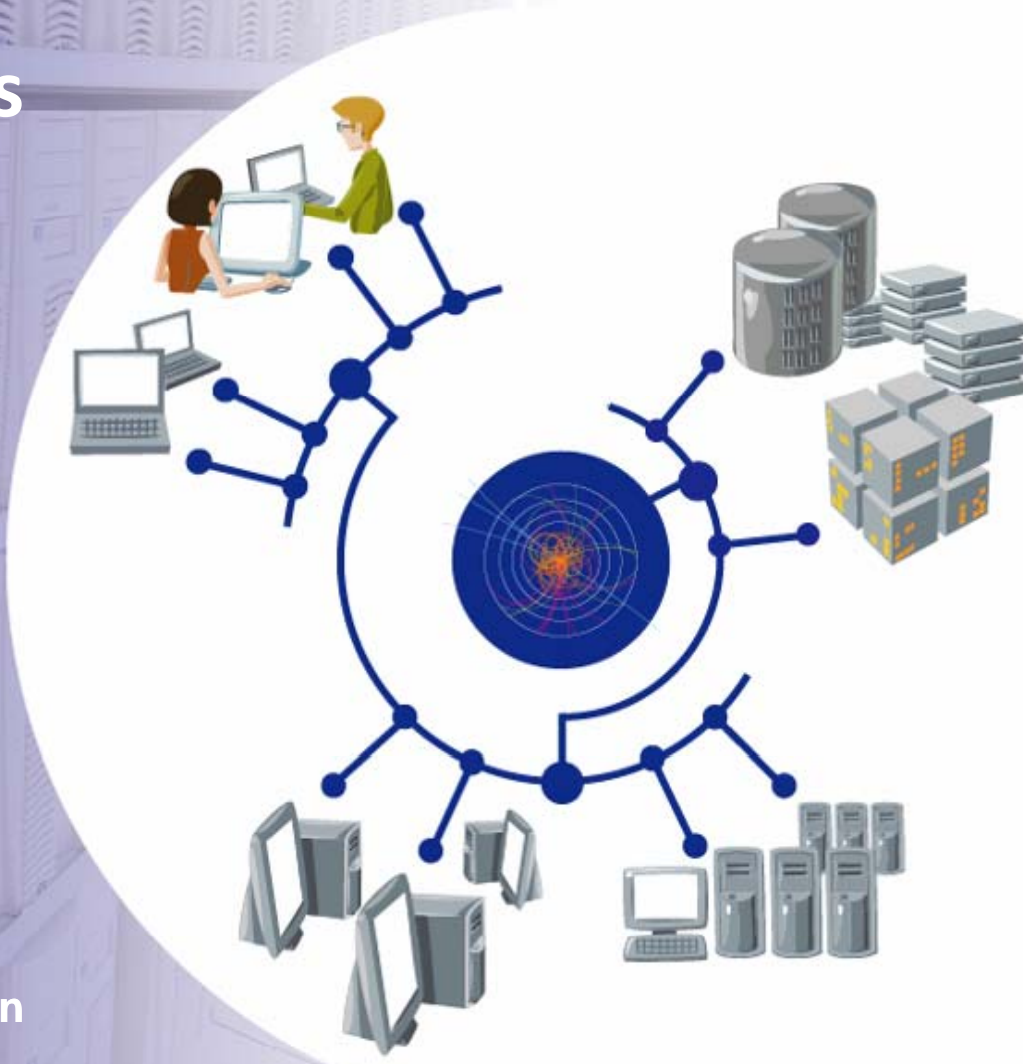# WLCG – Worldwide LHC Computing Grid

## SRM v2.2 Status

**LHCC Referees meeting,**
**September 24th 2007**

**Jamie Shiers**
**WLCG Service Coordination**

# Agenda

- WLCG Management Follow-up on Production Deployment of SRM v2.2 services

- Very brief reminder of the problem

➢ **Status of the Deployment Schedule**

# The Deployment Schedule

- Named sites to be ready in 2 phases for experiment testing (mid / end July);
  - This phase went well – only very minor delays of 1-2 days in a few cases;
- Verify sites correctly configured;
  - Numerous problems encountered, partly due to lack of adequate documentation on new features
- Experiment testing (LHCb, ATLAS, CMS);
  - Testing foreseen in August delayed.
  - Now being actively (and positively) pursued.
- Upgrade named sites in agreed order.
  - Delays of a few weeks since plan agreed in July

➢ **We need to be more realistic about manpower that can work on these issues not only during vacation / conference periods but also at 'normal' times – everyone has multiple responsibilities**

# SRM v2.2 – GDB Review

- All implementations delivered for testing
- Bugs, inconsistencies, configuration issues
- Critical issues identified
- Experiment testing one month late
- Good progress but not there yet.

➢ *This was the status < 1 month ago (end August) – much of the detail has since changed (for the better…)* **(no more critical issues!)**

➢ *This is clearly a result of the extensive testing and focussed effort on resolving the issues*

➢ *The WLCG Collaboration Workshop in Victoria, together with discussions during the CHEP conference helped resolve further issues*

➢ *We are now agreeing concrete production deployment dates by named site*

➢ *Experiment testing is still required – as many problems as possible should be fixed before production – some will only be found and fixed later*

# SRM v2.2 Production Deployment

- Details of SRM v2.2 production at CERN now being finalised. Plan is for one 'endpoint' per LHC experiment, plus a public one for the rest (as for CASTOR2).
  - Target < end October 2007
  - Tier1s running CASTOR – wait at least one month after CERN

- SRM v2.2 will be deployed at FZK during the week of November 5 with experts on site. Other major Tier1s (and some Tier2s – e.g. DESY) will follow up until end 2007.

- Remaining sites – including those that source dCache through OSG – will be upgraded by end-Feb 2008.

- DPM is already available for Tier2s; STORM also for INFN(+) sites

- CCRC'08 (Feb) is foreseen to run on SRM v2.2

# Draft dCache Upgrade Schedule

- Oct 29 : NDGF (for sure)
- Nov  5 : gridKa (for sure), SARA (likely)
- Nov 12 : Edinburgh workshop (for sure)
- Nov 19 : (nothing yet)
- Nov 26 : IN2P3 (likely)
- Dec  3 : (nothing yet)
- Dec 10 : BNL (rather sure)
- Dec 17 : PIC, RAL (they actually said : end of the year)
- Fermi  : December to January (Jon needs a special feature in dCache)
- TRIUMF : no reply yet.