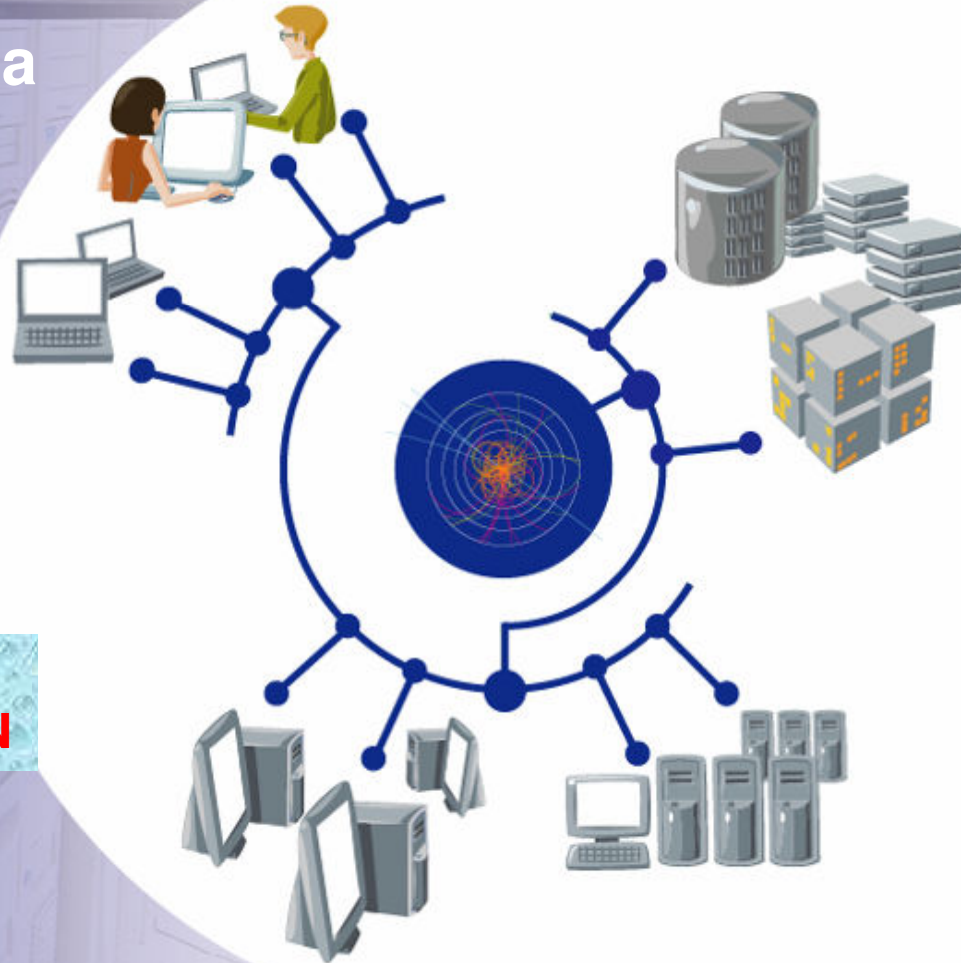




# WLCG Issues

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**Jamie Shiers**  
**Grid Support Group, CERN**

# Outstanding Issues & Concerns

Issue	Concern
Network	<p>T0 – T1 well able to handle traffic that can be expected from normal data taking with plenty of headroom for recovery. Redundancy??</p> <p>T1 – T1 traffic – less predictable (driven by re-processing) – actually dominates. Concerns about use of largely star network for this purpose.</p> <p>Tn – T2 traffic – likely to become a problem, as well internal T2 bandwidth</p>
Storage	<p>We still do not have our storage systems under control. Significant updates to both CASTOR and dCache have been recommended by providers post-STEP'09. Upgrade paths unclear, untested or both.</p>
Data	<p>Data access – particularly “chaotic” access patterns typical of analysis can be expected to cause problems – many sites configured for capacity, not optimized for many concurrent streams, random access etc.</p>
Users	<p>Are we really ready to handle a significant increase in the number of (blissfully) grid-unaware users?</p>

# Summary

- We are **probably** ready for data taking and analysis and have a **proven** track record of resolving even major problems and / or handling major site downtimes in a way that lets production continue
- **Analysis** will surely bring some new challenges to the table – not only the ones that we expect!
- If **funded**, the HEP SSC and Service Deployment projects described this morning will help us get through the first years of LHC data taking
- Expect some larger **changes** – particularly in the areas of storage and data handing – after that