

High Energy Physics – v27 NEW version

High Energy Physics and partners already have a long experience of dissemination of their grid activities within an established and ongoing series of conferences and schools and coordination of the presentation of results, plans and developments will continue under this activity. The principal events here are the twice yearly HEPIX (HEP Unix users) 5-day meetings, the Computing in High Energy Physics 5-day conferences held each 18 months, the annual Advanced Computing and Analysis Techniques in Physics Research conference and what will be the successors to the annual EGEE and EGEE-User Forum meetings.

In addition to these regular internal events there will be periodically organised external events targeted at a wider public. Recent examples of these were a half-day LHC 'Grid-fest' event to publicise the use of the LHC Computing Grid associated with the startup of the LHC accelerator and to which scientific journalists were invited. Another was giving live demonstrations of the LHC computing grid in action at the two-yearly Telecoms conference sponsored by the International Telecommunications Union. CERN also provides regular input into e-zines such as iSGTW. CERN will coordinate the ROSCOE contribution to relevant HEP Computing conferences, schools and external events (0.5 FTE, unfunded).

CERN is also involved in numerous training tasks including specific training sessions (for both users and site administrators) at the CERN Computing School, User Forums and EGEE conferences and invited training sessions in regional events and international conferences such as IEEE Nuclear Science Symposia. In addition members of the Grid support team have participated regularly in external training events for the setup of generic Grid services at the sites. Underlying such training CERN edits and disseminates the gLite 3 User Guide manual series.

The individual VO's using the LHC computing grid use higher level applications such as Ganga and the LHC file catalogue to hide many complexities of the grid from their users and enhance our generic training with specific training on their VO-specific interfaces. These trainings are given regularly targeted at different levels from experiment grid experts to computing shift staff and also to analysis and general users. The CERN support team has established a collaboration including giving training with the Fusion cluster of EGEE to use common Grid tools based on Ganga. In terms of monitoring several specific tutorials have aroused the interest of many sites and communities in using the LCG toolkit to monitor user jobs.

It is expected that much of this work will be coordinated with that of other VRCs with contributions from other partners on specific aspects (e.g. Distributed Analysis Training).