

Input from Bob Jones, CERN and Project Director, European Grids for E-Science (EGEE)

Over the last couple of years EGEE has developed a good working relationship with Teragrid. The reason for building such a relationship is to be able to support user communities that wish to make use of a range of grid infrastructures. Our vision for the future is that of a global grid eco-system consisting of multiple interoperating infrastructures that make it possible for users to aggregate resources spanning desktop volunteer grids (such as BOINC), cluster based grids (such as EGEE) and HPC systems (such as Teragrid) to share applications and data easily.

Teragrid is a key component of such a global eco-system and hence it is important that Teragrid continues to collaborate with international projects such as EGEE through numerous bodies including:

- The Open Grid Forum - where Teragrid has been active notably in the Grid Interoperability Now work grouping to address standardisation issues for technical interoperability. Emerging standards such as the HPC basic profile, security (X.509 certificates and VOMS attributes, SAML and XACML for attribute and policy mgmt), job submission (BES and JSDL), data mgmt (SRM & GridFTP), information systems (GLUE) are a point of convergence for grid infrastructures and it is important that Teragrid goes in this direction as well.
- Contribute to interoperability demonstrations at the SuperComputing annual events
- Participate in major European events such as the EGEE annual conference and user forum
- Be part of the recently formed forum for operational grids where policy issues such as resource allocation for global user communities will be addressed
- Work with OSG in the US to jointly-support common user groups (we see the agreement between OSG and Teragrid to jointly support the LHC community as an excellent example)
- Continue to provide funding along with OSG and EGEE to the iSGTW weekly online magazine which reports on the science being performed with grid systems
- Work with EGEE, OSG, NAREGI and DEISA and other infrastructure providers to help support the global fusion community that will make use of the future ITER machine foreseen to come online in 2016