Open Science Grid in the U.S. and functional demonstration for SC2003: Grid3 or Grid2003

Explaining and Demonstrating

In the U.S. (as in Europe) we need to sustain and enhance our funding for Grid Computing

In the U.S. (as in Europe) we need to explain and demonstrate the value of the Grid not only to change the way we do LHC science but also

- to lead the way for other sciences
- to provide a new generation of computing and cyber infrastructure in a cost effective way, capitalizing on the investments already made and planned at DOE labs and at Universities
- as an important tool in education
- as part of a Global Grid infrastructure, including LCG, with broad international implications

Working together

In the U.S. (as in Europe) we need to work together and take a coherent approach to demonstrate that with a relatively small amount of additional funding the investments already made in

- Trillium Grid Projects (PPDG, GriPhyN, iVDGL)
- Grid middleware and collaborations between Computer Scientists and physics applications people
- CMS and ATLAS computing at labs and universities
- National labs' infrastructure and support of current experiments in High Energy and Nuclear Physics
- Education and Grids

A permanent U.S. Grid Infrastructure – The Open Science Grid can and should be created

Open Science Grid

- The Open Science Grid in the U.S. should be viewed as playing the exact same role as EGEE in Europe.
- The Open Science Grid is not in conflict with LCG – it will provide resources for LCG