

## Enabling Grid for eScienceE (EGEE)

Robert JONES

[Robert.Jones@cern.ch](mailto:Robert.Jones@cern.ch)

CERN, Switzerland

The Enabling Grids for E-scienceE project brings together scientists and engineers from more than 90 institutions in over 30 countries world-wide to provide a seamless Grid infrastructure for e-Science that is available for scientists 24 hours-a-day. Conceived from the start as a four-year project, the second two-year phase started on 1 April 2006, and is co-funded by the European Commission. Expanding from originally two scientific fields, high energy physics and life sciences, EGEE now integrates applications from many other scientific fields, ranging from geology to computational chemistry. The EGEE production service is constantly growing, currently combining more than 20 000 CPUs and 10PB of storage in more than 200 sites worldwide.

EGEE has proved a vital catalyst and incubator for the success of establishing a working, large-scale, multi-science production Grid infrastructure that serves many sciences. As the Virtual Organizations established by scientific communities move from testing their applications on the Grid to routine and daily usage, it becomes increasingly important and necessary to ensure maintenance, reliability and adaptiveness of the Grid infrastructure. An evolution is being planned with National Grid Initiatives to ensure long-term sustainability and interoperability.