**Sustaining Charter of the Open Science Grid**
**Open Science Grid Council**

## Introduction and Vision

Increasing scale and complexity of 21st century science has led to larger and more global collaborations involving massive data sets. This requires efficient utilization of widely distributed computational resources and effective global communication. Science communities and other organizations join the Open Science Grid with the expectation that they can benefit from the infrastructure and services and also contribute resources and effort as part of a coordinated project.

The vision of the Open Science Grid Consortium (OSG) is one of a *persistent national infrastructure* that includes local campuses and resources distributed over the wide-area internet, for US science: the Open Science Grid.

## Consortium and Infrastructure

The Open Science Grid Consortium includes scientific collaborations, scientific computing centers and existing and new grid research and deployment projects, involving both computational and application scientists, working together to provide and support the set of facilities, services and infrastructure needed. A structure of management and coordination bodies oversees and coordinates the work of the Consortium.

The Open Science Grid Consortium provides a set of production, software and consulting services through which the distributed resources of the different members are operated coherently and compatibly. The Consortium includes a dedicated staff providing core services to the Consortium members, contributions from related Satellite effort, as well as other resources, supported by direct funding and member contributions.

The Open Science Grid is open to all sciences that have a need for distributed high throughput computing and data management, and can bring resources and contributions to be shared.

## Connections and Opportunities

The Open Science Grid production infrastructure will continue to be operated and extended in the US. This infrastructure is federated with other cyberinfrastructures, locally on and across the nation's campuses, nationally with the NSF and DOE shared facility programs (including XD XSEDE) and internationally through participation in the global grid infrastructure for science. To meet the data analysis needs of the scientific communities the grid supports managed access to a large number of diverse computing and storage resources (up to tens of thousands of CPUs and 100s of petabytes).

The Open Science Grid provides opportunities for educators and students to participate in providing and exploiting this grid infrastructure and opportunities for developing and training a scientific and technical workforce. This helps transform the integration of education and research at all levels.

The Open Science Grid Consortium ensures that the U.S. plays a leading role in defining and operating the global grid infrastructure needed for large-scale collaborative and international scientific research.

Draft V0.2, October 27, 2004
Draft V0.3 December 20th, 2004, Fix spelling. Remove last 2 sentences as per John Huths Oct 26th email
Draft V.04 November 12th 2011, Transition to a Sustaining Charter for future work.