



Open Science Grid

OSG Council Report

Ruth Pordes

Council Chair

Fermilab

March 2016



All Hands Meetingss

- Thank you to Clemson
 - it came together wonderfully!
 - A great set of attendees
- Thank you in anticipation for next 3(?4?) AHM
 - 2017: UCSD/SDSC – Frank W host
 - 2018: U Wisconsin Madison – Miron host
 - 2019: U Oklahoma – Horst Severini host
 - ?2020?: Rutgers U – Barr host

OSG By-laws

- The **OSG Council** provides the scientific coordination and oversight of OSG activities.
- "The **Council Chair** is self-selected by the Council to lead the council. The term for the Chair is two years. A Council Chair can serve no more than two, full, consecutive-terms."

I started as Council Chair in 2012.

Oversight...

Acknowledgement and appreciation of the fantastic job the OSG Project is doing – leadership and staff - and

Strong endorsement of Frank W as the Executive Director for the next two years

Strong support for the Project as it starts to chart the program for the future.

Searching and Finding a New Council Chair

- Search committee
 - Paul Avery, Jerome Lauret, Horst Severini, Piotr Sliz
- Candidate came forward
 - David Swanson, UNL
- Presentation of platform to Council and vote
 - Council has endorsed the candidate.
 - David will introduce himself later in this slot.

Council Work:

Maintain the Charter

Introduction and Vision

The increasing scale and complexity of 21st century science has led to larger and more global collaborations involving massive data sets. Analyzing this data requires efficient utilization of widely distributed computational resources and effective global communication. Science communities and other organizations join the Open Science Grid Consortium with the expectation that they can benefit from the infrastructure and services provided 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* for US science that includes local campuses and resources distributed over the wide-area internet: the Open Science Grid Production infrastructure.

Consortium and Infrastructure

The Open Science Grid Consortium includes scientific collaborations, scientific computing centers and distributed high throughput computing 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 efforts, as well as other resources, supported by direct funding and member contributions.

The Open Science Grid Consortium 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 common infrastructure for science. To meet the data analysis needs of the scientific communities, the infrastructure 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 Consortium provides opportunities for educators and students to participate in providing and exploiting this infrastructure and for developing and training a scientific and technical workforce.

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.



Membership: increasing the representation

Representative Name	Affiliation	
University of Nebraska - Holland Computing Center	David Swanson	OSG Council Chair, Campus users and resource provider
University of Florida	Paul Avery	Campus resource provider
Brookhaven National Laboratory	Michael Ernst	Campus users and resource provider
Condor Project	Miron Livny	Software Provider
DOSAR	Horst Severini	Education
Fermi National Accelerator Laboratory	Panagiotis Spentzouris, Alternate: Ruth Pordes	Campus users and resource provider
University of Chicago / Globus	Rob Gardner	Campus resource provider, users and software provider
Indiana University	Rob Quick interim	Campus users and resource provider
SBGRID	Piotr Sliz	User Community
Solenoid Tracker at RHIC - STAR	Jerome Lauret	User Community
Stanford Linear Accelerator Center	Stefan Hoeche	Campus users, resource provider and theory users
University of California San Diego	Michael Norman, Alternate: Frank Wuerthwein	Campus users and resource provider
U of Pittsburgh Brain Trauma Research Center	Don Krieger	Research User
US ATLAS	Kaushik De	User Community
US CMS	Ken Bloom, Alternate: Greg Snow	User Community

Meetings
and open.

Currently
quarterly with
every other
one face-to-
face.

You are here: TWiki >  Council Web > WebHome (24 Jan 2016,

OSG Council Website

- ↓ [OSG Governance Documents Relevant to the OSG Council](#)
- ↓ [OSG Council Contact Information](#)
- ↓ [OSG Council Members](#)
- ↓ [OSG Council Meetings](#)
 - ↓ [Logistics:](#)
 - ↓ [Helpful Teleconference Documents:](#)
 - ↓ [Action Items](#)
 - ↓ [Meeting Agenda and Minutes- Current Year](#)
 - ↓ [Meeting Agenda and Minutes - 2012](#)
 - ↓ [Meeting Agenda and Minutes - Previous Years](#)
- ↓ [OSG Council Subcommittees](#)



Examples of Action Items over the past years

- 151. Report back to Council on explanation for daily variations/swings in OSG-XD usage as displayed on the XDMOD daily plots
- 146. End to end test of using GPU resources through OSG.
- 141. Answer what is demand limited and what is limited by availability of resources
- 139. Council and project to investigate possible synergies and collaborative activities between OSG and ACI REF.
- 135. Request project list the software components and prioritize the needs |
- 133. Estimate the impact of supporting the Intensity Frontier experiments at a production level of service.
- 130. Request information from the project to plan a date by when the decision on the next renewal of the X509 Certificate CAs is planned.
- 122. Have a blueprint and/or a focus meeting on data delivery in conjunction with jobs
- 120. Record "type" of each Council member on the web site
- 119. Recommend project have some focus on "brain research applications".
- 114. Quantify and report on opportunistic usage by site and owner
- 90. Discuss BES Community at Face to Face Council meeting and provide specific report from someone from community.
- 33. Develop capability to measure the science domains being served by OSG resources:
- 11. Evaluate risks associated with the authentication and authorization systems:
- 3. Develop a document covering "expectations" for coming into the OSG.

<https://twiki.grid.iu.edu/bin/view/Council/CouncilActionItems>

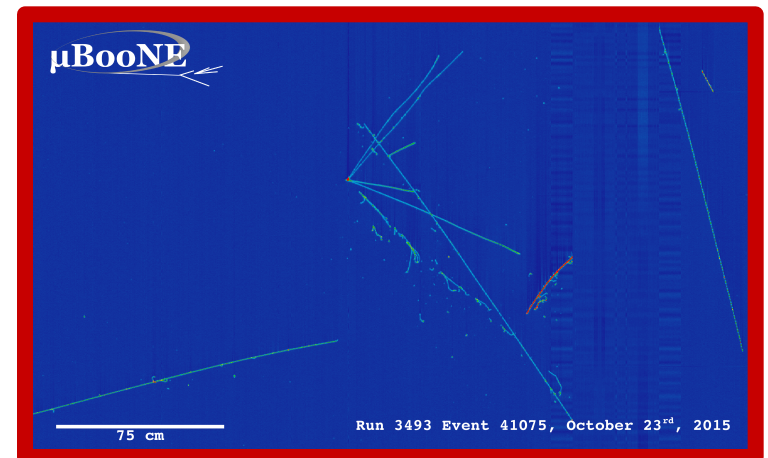
Time to Pass the Baton

Appreciate all the work the Council members, Executive Team, staff and Contributors have and continue to do.

And am much looking forward to the next years of OSG as we build the next phases

They ask – what's next for Ruth

- Neutrinos: Liquid Argon Time Projection Chamber (shared, common) physics analysis software (LArSoft) based on the art framework
 - Interim project manager
 - A core project
 - A collaboration and steering committee of the spokespeople Argoneut, Lariat, MicroBooNE, ProtoDUNE(s), DUNE, SBND
- <http://www.larsoft.org>



(sound familiar?)

March 16th 2016



- coordinating computing discussions of (and responses to) womens issues
 - Recruitment, retention, Career path, mentoring, Workplace environment, pay equity...(reminder of yesterday)
- somehow I am still Panagiotis deputy
- and the Fermilab alternate on the OSG Council.

Not to mention



(January photos – guess which who lives in South Carolina and who in London)



finally..



Open Science Grid

Welcome to David Swanson the new Council Chair



March 16th 2016