OSG Annual Report to NSF/DOE (February 2013)

# Executive Summary

Lothar, Miron, Frank

1. Science impacted by OSG
2. How is the state of DHTC being advanced by OSG
3. LHC support summary
4. Reaching campus researchers (and OSG-XSEDE)
5. Breadth of science journal citations (Frank)
6. Summary of usage statistics
7. Challenges ahead

# Science enabled by OSG

## 2.1 Virtual Organizations

Ruth will coordinate this section

Invite the following VOs to provide

1. Short description of their science and computational use of OSG
2. List of scientific publications resulting from use of OSG

ATLAS

CMS

Dzero

CDF

GlueX – Richard Jones

Minerva – Rick Snider

Minos – Art Kreymer

NoVA – Andrew Norman

SBGrid – Piotr Sliz

GridUNESP - Sergio F. Novaes <[Sergio.Novaes@cern.ch](mailto:Sergio.Novaes@cern.ch)>

NEES – Tom Hacker

## 2.2 Campus Researchers

Chander will coordinate this section; gather data from the following teams. Then re-organize and present by science domain. Also include a short paragraph on how we leverage the regional OSG teams to support campus researchers; say a few words about each of the following “wholesale” outlets.

### 2.2.1 GLOW (contact Brooklin Gore)

Identify researchers in this community that made significant use of OSG; invite them to provide

1. Short description of their science and computational use of OSG
2. List of scientific publications resulting from use of OSG

### 2.2.2 HCC (contact David Swanson)

Identify researchers in this community that made significant use of OSG; invite them to provide

1. Short description of their science and computational use of OSG
2. List of scientific publications resulting from use of OSG

### 2.2.3 UCSDGrid (contact Frank Wuerthwein)

Identify researchers in this community that made significant use of OSG; invite them to provide

1. Short description of their science and computational use of OSG
2. List of scientific publications resulting from use of OSG

### 2.2.4 RENCI/Engage (contact John McGee)

Identify researchers in this community that made significant use of OSG; invite them to provide

1. Short description of their science and computational use of OSG
2. List of scientific publications resulting from use of OSG

### 2.2.5 OSG VO & OSG-XSEDE (contact Chander Sehgal)

Identify researchers in this community that made significant use of OSG; invite them to provide

1. Short description of their science and computational use of OSG
2. List of scientific publications resulting from use of OSG

EIC@BNL

DES@FNAL

Pheno@SLAC

Don Krieger@U-Pitt

### 2.2.6 UC3 (contact Rob Gardner)

Identify researchers in this community that made significant use of OSG; invite them to provide

1. Short description of their science and computational use of OSG
2. List of scientific publications resulting from use of OSG

# The OSG Fabric of Services

## 3.1 Production

Dan Fraser; Describe work program accomplishments, findings, and challenges that lie ahead

## 3.2 Technology

Brian Bockelman; Describe work program accomplishments, findings, and challenges that lie ahead

## Campus Grids

Dan Fraser; Describe work program accomplishments, findings, and challenges that lie ahead - include BOSCO, CIC, etc.

## Operations

Rob Quick; Describe work program accomplishments, findings, and challenges that lie ahead

Includes Indiana, FNAL, and UCSD operations work

## Network Monitoring

Shawn McKee; Describe work program accomplishments, findings, and challenges that lie ahead

## Software

Tim Cartwright; Describe work program accomplishments, findings, and challenges that lie ahead

## Security

Mine Altunay; Describe work program accomplishments, findings, and challenges that lie ahead

## User Support

Chander Sehgal; Describe work program accomplishments, findings, and challenges that lie ahead: 1) communities doing science on OSG as a result of user support work (also should be shown in section 2.2; and 2) describe active support engagements (SAGA, BNLPET, PNNL, NEES, LSST, iPlant)

## OSG as an XSEDE Service Provider

Mats Rynge; Describe work program accomplishments, findings, and challenges that lie ahead

## OSG PKI CA

Von Welch; Describe work program accomplishments, findings, and challenges that lie ahead

# Satellite Projects and Partners

## 4.1 Satellite and External Projects

Chander

## 4.2 Partner Institutions

Chander

# Education & Communications

## 5.1 Education – Tim/Horst

Tim - Summer School

Horst – Ghana School

## 5.2 Communications

Ruth

## 5.3 Research Highlights

Ruth (and Indiana team)

Appendix 1 – Usage Metrics

Ashu

Overall for last 12 months by VO and by site

Usage by top 5 VOs plus multi-science VOs

How to show campus grids?

Appendix 2 – Science Publications

Jemise/Chander

Arranged by community