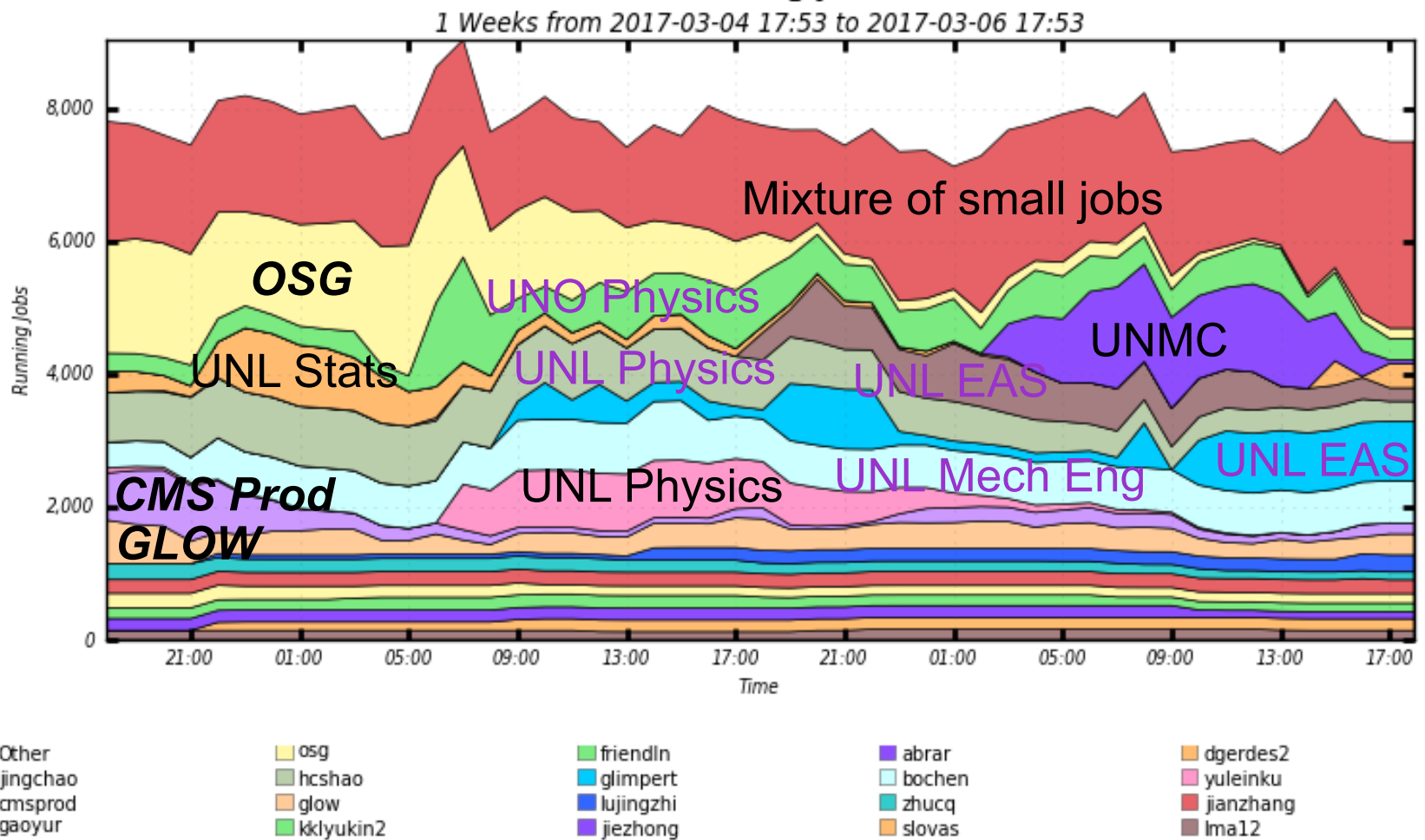# State of OSG - OSG Council Chair's Perspective

David Swanson
OSG Council Chair
Director, Holland Computing Center
University of Nebraska
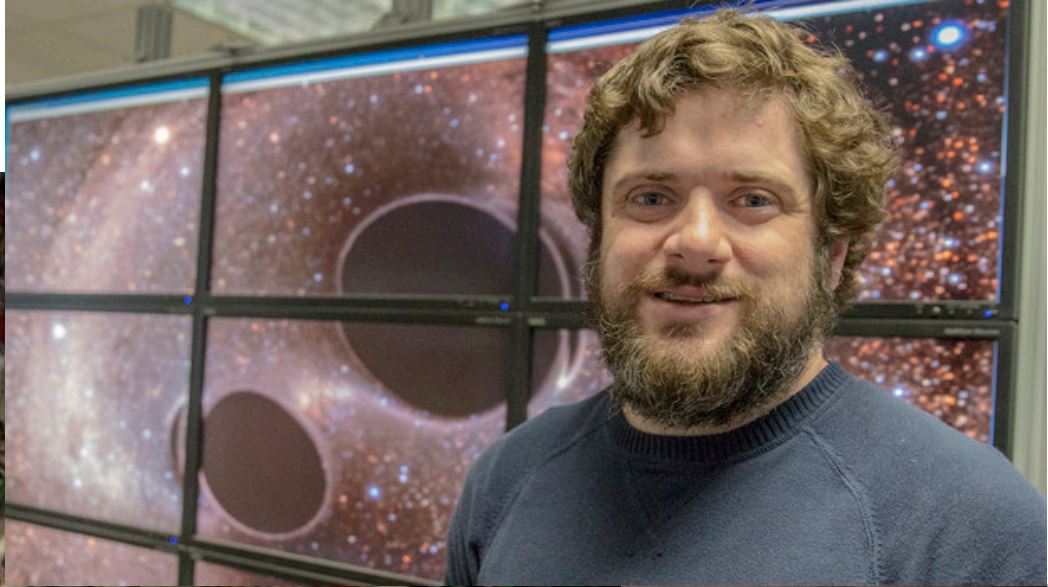
My Perspective

1 Weeks from 2017-03-04 17:53 to 2017-03-06 17:53

Mixture of small jobs

OSG

UNO Physics

UNL Stats

UNL Physics

UNMC

CMS Prod GLOW

UNL EAS

UNL Physics

UNL Mech Eng

UNL EAS

Legend:
- Other
- jingchao
- cmsprod
- gaoyur
- osg
- hcshao
- glow
- kklyukin2
- friendln
- glimpert
- lujingzhi
- jiezhong
- abrar
- bochen
- zhucq
- slovas
- dgerdes2
- yuleinku
- jianzhang
- lma12

The Open Science Grid (OSG) advances science through *open* distributed computing.

The OSG is a multi-disciplinary partnership to *federate* local, regional, community and national cyberinfrastructures to meet the needs of research and academic communities *at all scales*.

Open, Federated CI
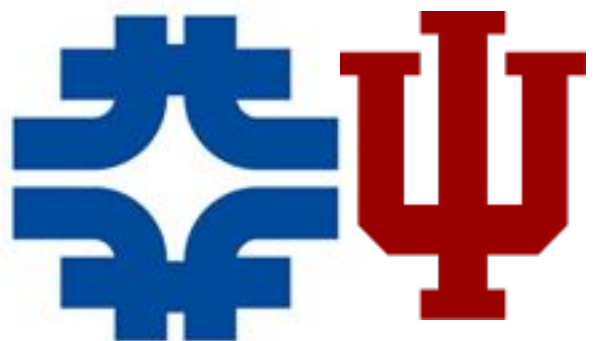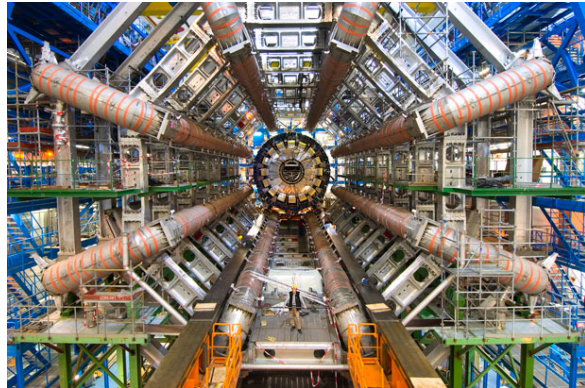
@ All Scales

Strengths of OSG Consortium

- Provide access to advanced CI
- Technical community
  - "excellent, helpful, dedicated people"
    - Eric Sedore, Syracuse
- Concerned for the greater common good
  - OSG VO
  - GLOW, CMS
  - Scientific progress
- Share idle resources we can't store

OAC RFI

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NSF 17-031

Dear Colleague Letter: Request for Information on Future Needs for Advanced Cyberinfrastructure to Support Science and Engineering Research (NSF CI 2030)

January 5, 2017

Dear Colleagues:

In the past two decades, advanced cyberinfrastructure has become a critical element of science and engineering research – a result of the increasing scope and accuracy of simulations of natural and engineered systems as well as the growing volume of data generated by instruments, simulations, experiments and observations. The National Science Foundation (NSF) embraces an expansive, ecosystem view of research cyberinfrastructure – spanning advanced computing resources, data and software infrastructure, workflow systems and approaches, networking, cybersecurity and associated workforce development – elements whose design and deployment are motivated by evolving research priorities as well as the dynamics of the scientific process. The critical role of this broad spectrum of shared cyberinfrastructure resources, capabilities and services – and their integration – in enabling science and engineering research has been reaffirmed by the National Strategic Computing Initiative, which was announced in July 2015, and in the National Academies' 2016 report on Future Directions for NSF Advanced Computing Infrastructure to Support U.S. Science and Engineering in 2017-2020. While these efforts are computing-centric, they expose the inherent inseparability of computing from the larger cyber ecosystem. With this DCL, NSF seeks input that provides a holistic view of the future needs for advanced cyberinfrastructure for advancing the Nation's research enterprise.

Help wanted!

http://go.unl.edu/wgc0

- RFI from OAC, due April 5
- Draft begun, not complete
- OSG vision for hDTC
- Will send you an update before asking you to cosign
- Many thanks!

OSG Council

Institution or VO	Representative	Affiliation / Role
U.S. ATLAS	Kaushik De	User Community
U.S. CMS	Kenneth Bloom	User Community
SBGRID	Piotr Sliz	User Community
Solenoid Tracker at RHIC - STAR	Jerome Lauret	User Community
U of Pittsburgh Brain Trauma Research Center	Don Krieger	Research User
DOSAR	Horst Severini	Education
Condor Project	Miron Livny	Software Provider
University of Chicago / Globus	Rob Gardner	Campus Users and Resource Provider and Software Provider

OSG Council

Institution or VO	Representative	Affiliation / Role
UC San Diego	Michael Norman	Campus Users and Resource Provider
University of Nebraska	David Swanson	Campus Users and Resource Provider
Indiana University	Craig Stewart	Campus Users and Resource Provider
University of Florida	Paul Avery	Campus Resource Provider
Stanford Linear Accelerator Center	Stefan Hoeche	Campus Users and Resource Provider and Theory Users
Brookhaven National Lab	Eric Lancon	Campus Users and Resource Provider
Fermi National Accelerator Lab	Panagiotis Spentzouris	Campus Users and Resource Provider

Thank You

- SDSC
- NSF / DOE
- NU Administration
- CMS Faculty/Staff at UNL
- HCC Colleagues
- OSG Consortium

- Good things are happening; we need to ensure they continue.

Help wanted!

http://go.unl.edu/wgc0

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