

OSG Council report

Paul Avery
University of Florida

Rick Snider
Fermilab

Outline

- ▶ The OSG Council
- ▶ Notes on the OSG organization

OSG All Hands Meeting
University of Nebraska, Lincoln
March 21, 2012

Role of OSG Council

(paraphrasing from the OSG By-laws and OSG Management Plan)

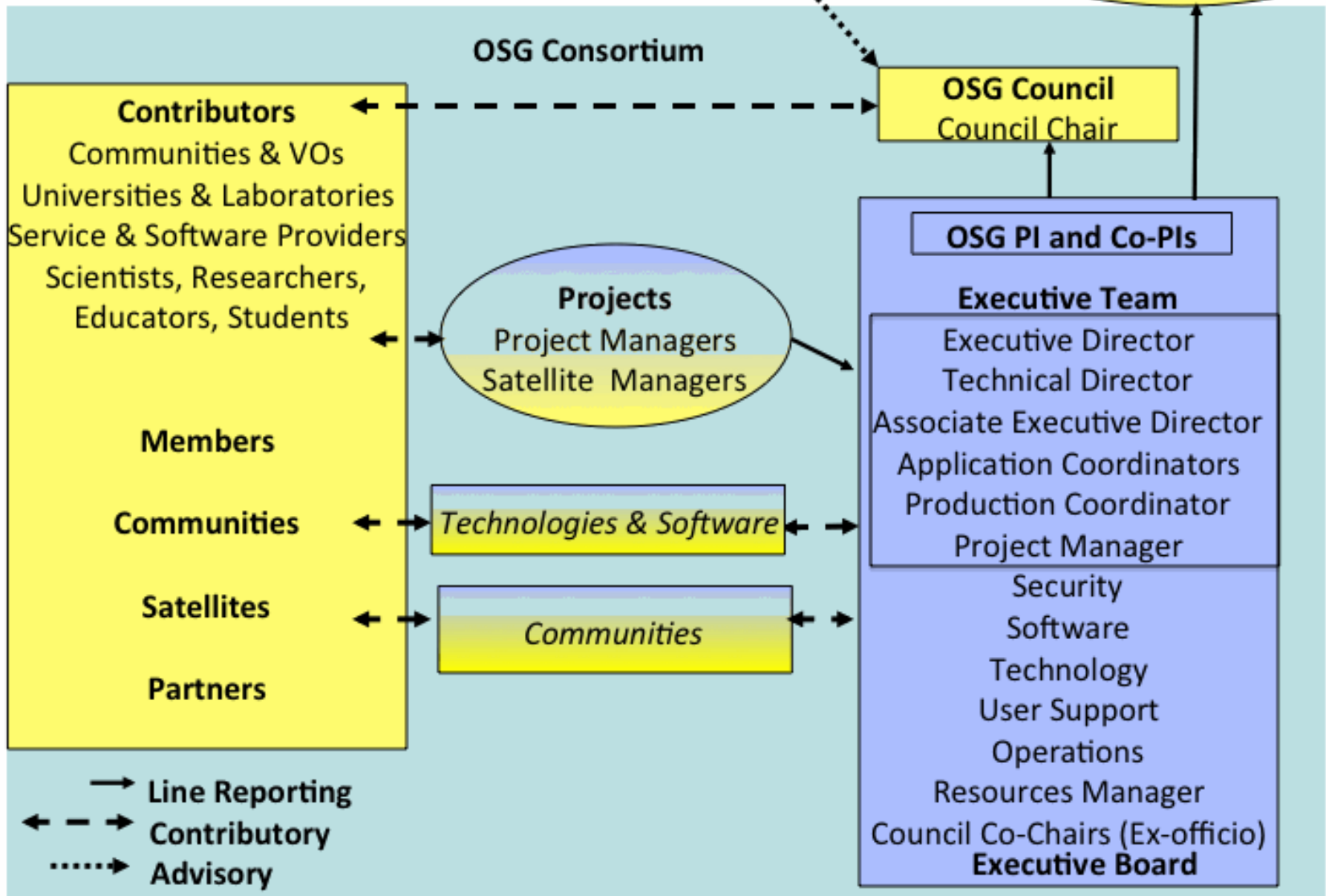
The OSG Council:

- Is the governing body of the Consortium responsible for ensuring effective benefit to the scientific mission of the stakeholders.
- Represents the organizations that comprise the OSG Consortium.
- Endorses all strategic decisions.

OSG 2011-2016

Scientific Advisory Group

Program Oversight



Membership of the OSG Council

University of Florida
Collider Detector at Fermilab - CDF
Collective VO Representative #1
Collective VO Representative #2
Brookhaven National Laboratory
Clemson University
Condor Project
DZero Collaboration
DOSAR
Fermi National Accelerator Laboratory
GLOBUS Alliance
Indiana University
LIGO
Lawrence Berkley National Laboratory
Purdue University
SBGRID
Solenoid Tracker at RHIC - STAR
Stanford Linear Accelerator Center
US ATLAS S&C
US CMS S&C
US CMS
Univ. of Neb. - Holland Computing Center

Paul Avery
Rick Snider
Vacant
Vacant
Michael Ernst
Vacant
Miron Livny
Brad Abbott
Horst Severini
Vicky White
Steve Tuecke
Bill Barnett
Patrick Brady
Vacant
Tom Hacker
Piotr Sliz
Jerome Lauret
Richard Mount
Michael Ernst
Lothar Bauerdick
Bob Clare
David Swanson

OSG Council Co-Chair
OSG Council Co-Chair

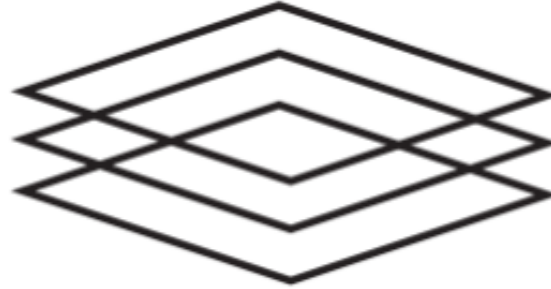
OSG Executive Director election

- Duties of the Executive Director
(from the OSG Management Plan document)
 - ◆ Chairs the OSG Executive Team and...matches the program of work to the scientific needs of the stakeholders from the OSG.
 - ◆ Leads the external relations and outreach parts of the OSG project, communicating between OSG and external bodies and partners.
 - ◆ Together with the Executive Team, decides on staff resource allocations across the projects.
- The term of Ruth Pordes ends March 31, 2012
- In February, Council elected Lothar Bauerdick to take over as Executive Director beginning April 1, 2012

Ruth Pordes

- ◆ Came to the OSG with experience of working on grid computing in PPDG
- ◆ Co-authored original OSG White Paper
- ◆ Began as OSG Executive Director in Jan 2006
- ◆ Built a capable and effective management team and organization to carry out the program of work
- ◆ Led OSG project through the first 6-year funding cycle into the enormously successful organization it is today
- ◆ Throughout, demonstrated great dedication, skill, judgment

- ◆ Remains committed to working on new challenges within the OSG organization.



Open Science Grid

Presented to

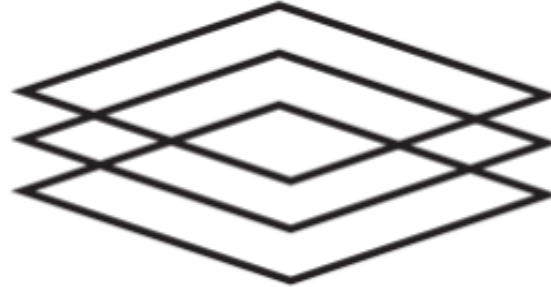
Ruth Pordes

by The Open Science Grid Consortium

with appreciation and in recognition

of exemplary service as

Executive Director, January 2006 – March 2012



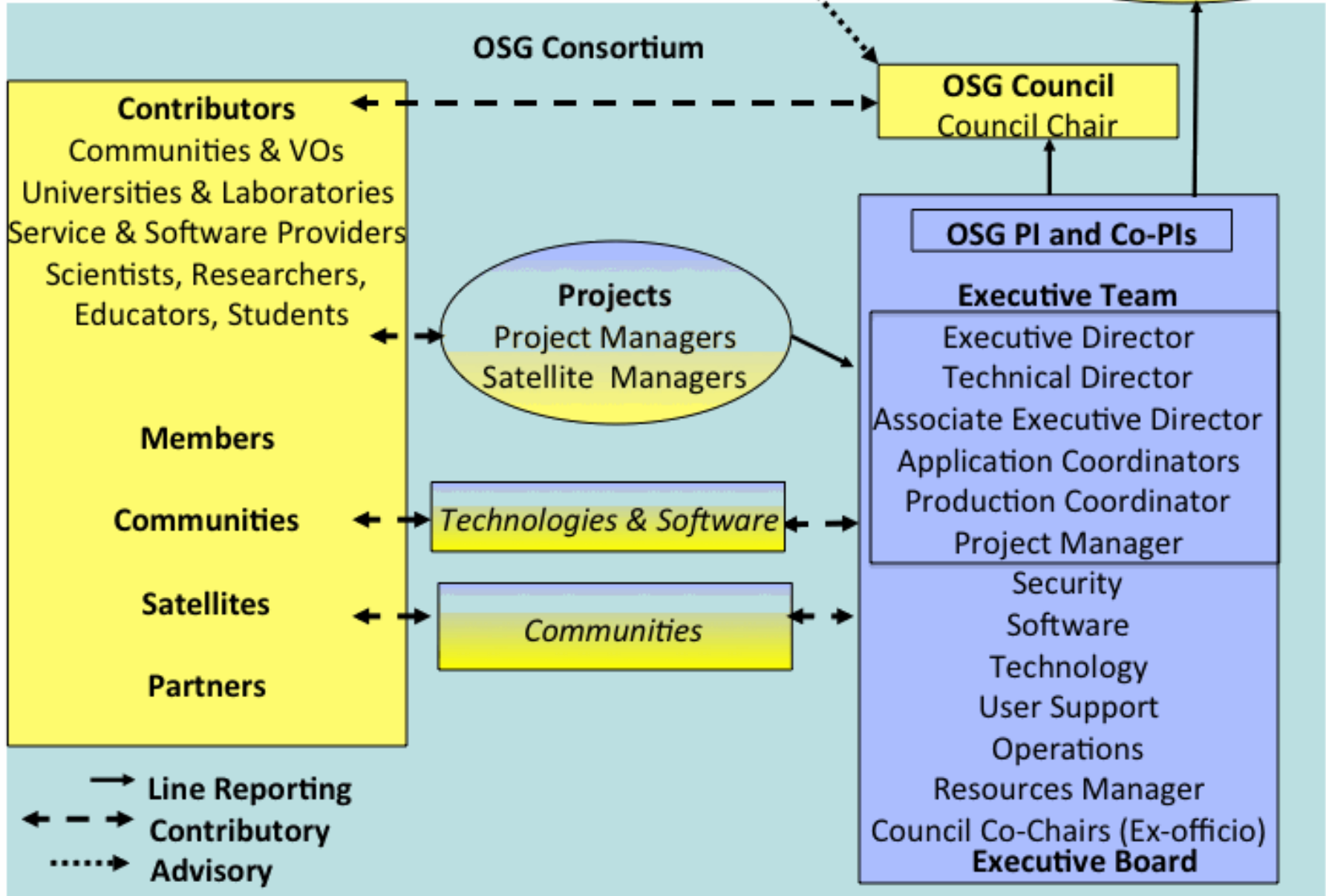
Thank you, Ruth!

**with appreciation and in recognition
of exemplary service as
Executive Director, January 2006 – March 2012**

OSG 2011-2016

Scientific Advisory Group

Program Oversight



Open Science Grid Sites (World)



Open Science Grid Sites (Americas)



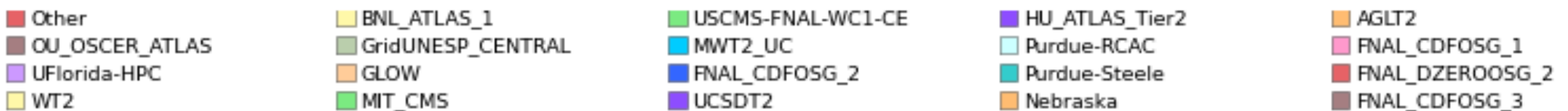
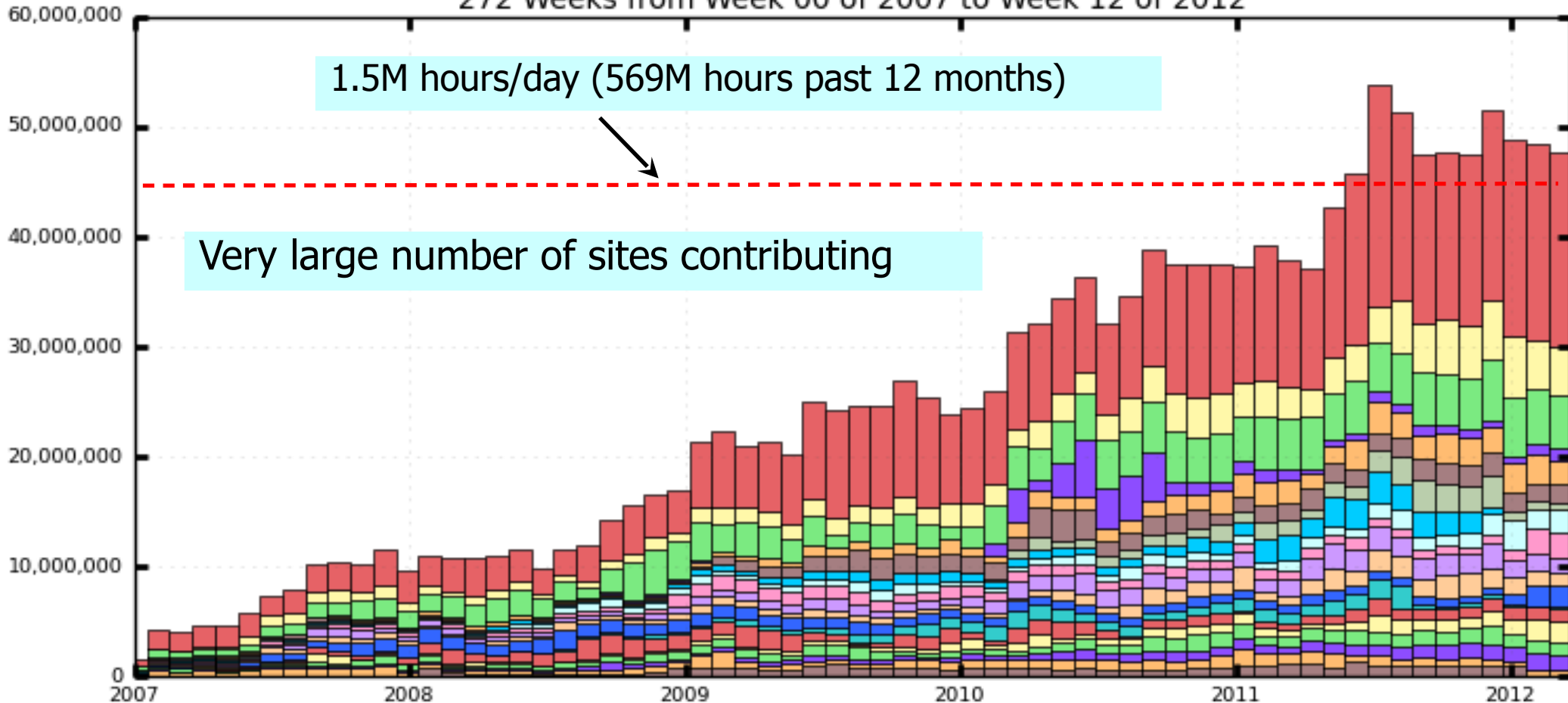
Consortium VO membership

- Currently 52 VOs in the OSG representing broad range of sciences
- VOs added since the last AHM
 - ◆ SURAGrid (molecular dynamics, storm surge modeling, virtual screening for drug design)
 - ◆ NEES (Network for Earthquake Engineering Simulation)
 - ◆ GCVO (GridColombia, the National Grid Initiative of Colombia)
 - ◆ GCEDU (GridColombia Education)
 - ◆ SuperB (Design simulations for SuperB flavor factory)
 - ◆ DREAM (Dual Readout Method Calorimeter collaboration)
 - ◆ LBNE (Long-Baseline Neutrino Experiment)
 - ◆ LSST (Large Synoptic Survey Telescope)
- VOs lost since last AHM
 - ◆ JDEM (no longer a project)
 - ◆ GROW (Grid Research and Education Group at Iowa)

OSG Usage Since 2007

Hours Spent on Jobs By Facility

272 Weeks from Week 00 of 2007 to Week 12 of 2012

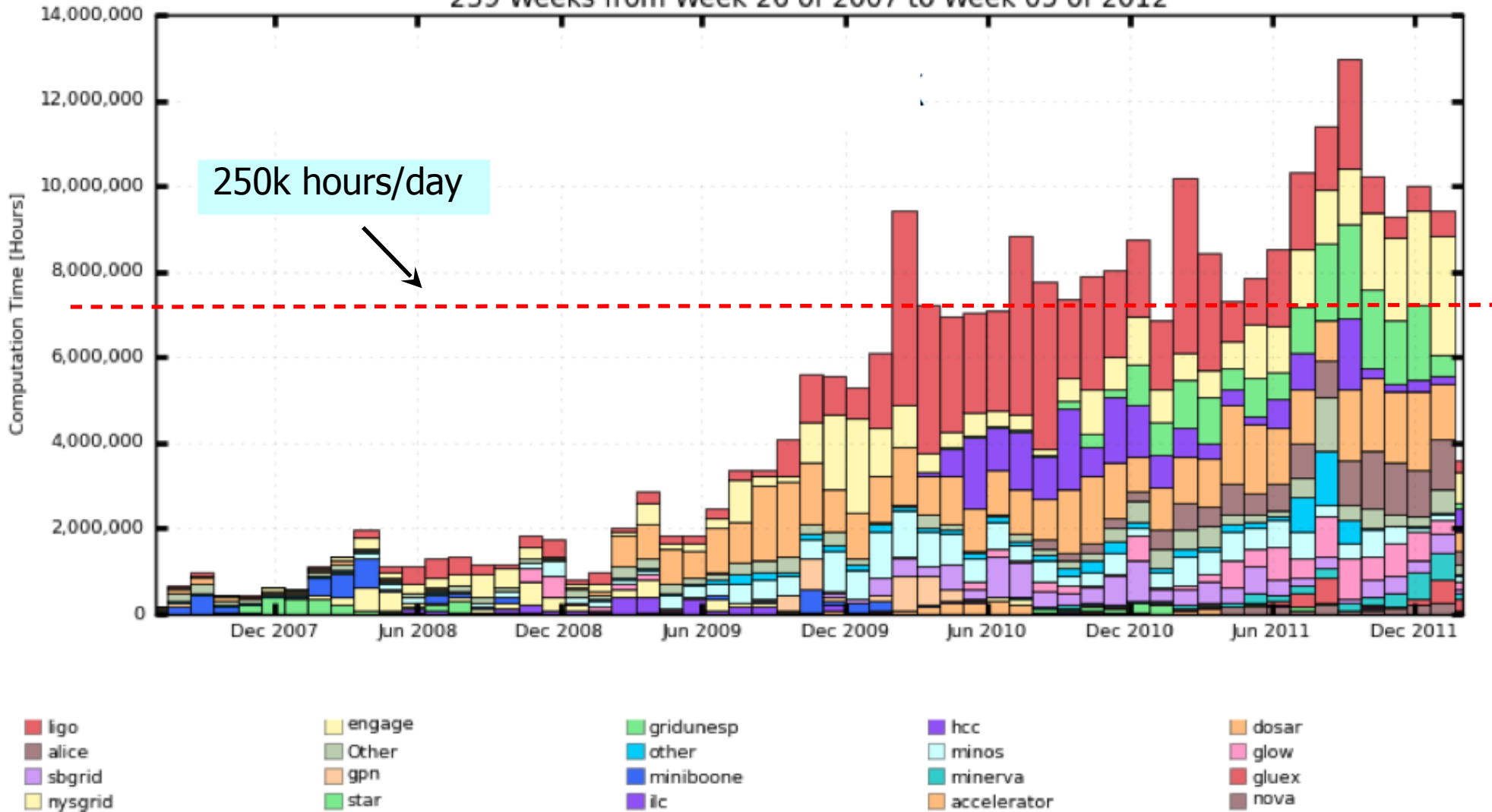


Maximum: 53,872,964 , Minimum: 1,613,394 , Average: 25,191,462 , Current: 47,622,689

Non-HEP usage since 2007

Hours Spent on Jobs By VO

239 Weeks from Week 26 of 2007 to Week 05 of 2012



Maximum: 12,947,648 Hours, Minimum: 164,828 Hours, Average: 4,879,379 Hours, Current: 3,595,310 Hours

External OSG contributors

- Two major types
 - ◆ Satellite projects
 - ◆ Partners
- Satellite Projects
 - ◆ Projects with a significant dependency on OSG and expected to collaborate closely with OSG.
 - ◆ Meet the following pre-requisites:
 - ▶ OSG was involved in the planning process with the proposal's PI before submission to funding agencies.
 - ▶ OSG commits support for the proposal and/or future collaborative action within the OSG project.
 - ▶ The project agrees to be considered an OSG Satellite project.

On-going satellite projects

- Any Data, Any Time, Any Where (Ken Bloom)
- HTPC (“Adopt-a-Cluster”) (Dan Fraser)
- CI-Team (“Engage”) (John McGee)
- ExTENCI (Paul Avery)
- 100 Gigabit Testing (Frank Wuerthwein)
- CorralWMS (Ewa Deelman, Burt Holzman)

See <https://twiki.grid.iu.edu/bin/view/Management/OSGSatelliteProjects>

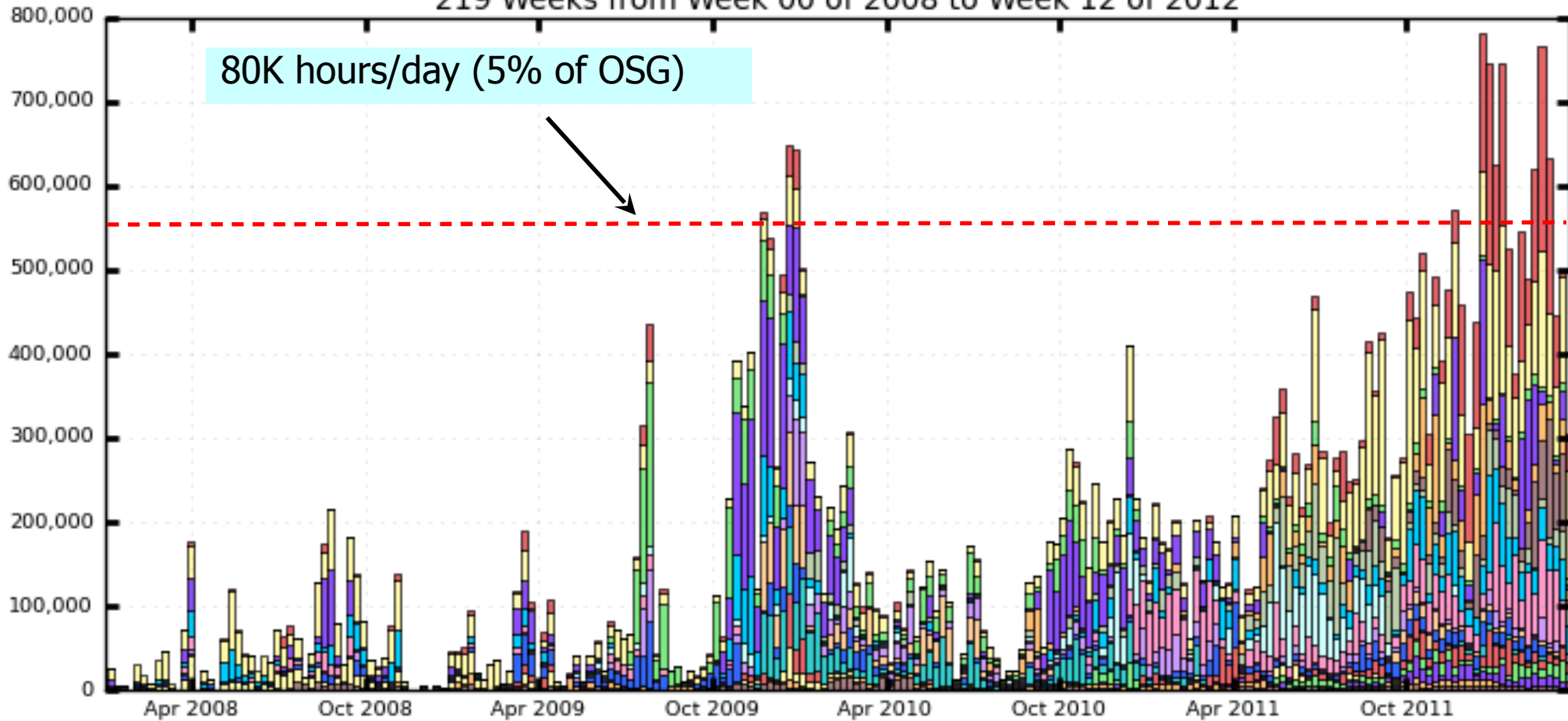
Engage Effort

- First OSG contact for new science communities (see F. Wuerthwein's talk)
- Many dimensions of support
 - Science
 - Software
 - Technologies (e.g., GPUs for HTPC)
- Funded by a 2008 NSF CI-TEAM award
- Funding has ended, looking for new source

Engage OSG Usage by Site

Hours Spent on Jobs By Facility

219 Weeks from Week 00 of 2008 to Week 12 of 2012



80K hours/day (5% of OSG)

- | | | | | |
|--|---|--|---|---|
| ■ Purdue-RCAC | ■ Other | ■ Firefly | ■ USCMS-FNAL-WC1-CE | ■ GridUNESP_CENTRAL |
| ■ MWT2 | ■ prairiefire | ■ FNAL_FERMIGRID | ■ Clemson-Palmetto | ■ UCSDT2 |
| ■ Nebraska | ■ Firefly-2 | ■ UFlorida-HPC | ■ Firefly-3 | ■ FNAL_GPGRID_3 |
| ■ MIT_CMS | ■ RENCI-Blueridge | ■ UMissHEP | ■ RENCI-Engagement | ■ FNAL_GPGRID_1 |

External OSG contributors

- Partner organizations
 - ◆ The OSG maintains a collaborative “partner” relationship with many other organizations that are:
 - ▶ Related grid infrastructures
 - ▶ Other high performance computing infrastructures
 - ▶ International consortia
 - ▶ Certain project organizations that operate in the broad space of high throughput or high performance computing
 - ◆ Their representatives have ex-officio status on management boards of the participants

See <https://twiki.grid.iu.edu/bin/view/Management/OSGPartnerOrganizations>

OSG Partner Organizations

- CDIGS
- CILogon
- EGI
- EMI
- ESnet
- FutureGrid
- Galois
- GridColombia
- GridUNESP
- Internet2
- Magellan
- NEES
- NGS
- NYSGrid
- OGF
- Pegasus
- XSEDE (was TeraGrid)
- WLCG

See <https://twiki.grid.iu.edu/bin/view/Management/OSGPartnerOrganizations>

OSG outreach publications

- OSG Newsletter
- OSG Research Highlights
- International Science Grid this Week (ISGTW)

International Science Grid This Week (www.isgtw.org)

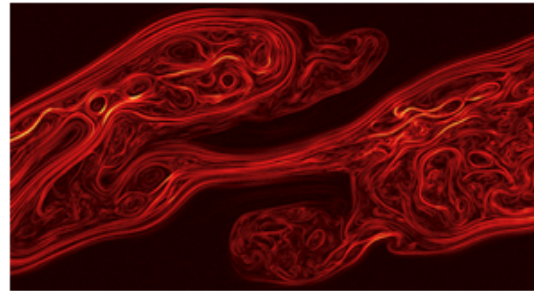
- Science & distributed computing
- 8200 subscribers
- Reports to OSG Council
- True international effort
1.0 US (OSG supported)
2.0 EU
0.5 Asia

- OSG support ending
- New proposal in prep (OCI + MPS)
- Requesting 1.0 FTE (to be based at IU)

Home

22 February 2012

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When worlds collide

If the sun is anything, it is reassuring. It rises, sets, and rises again, allowing us to grow crops, get tan, and power homes, just to name a few of humanity's most important life-sustaining functions. No wonder it was considered a deity by countless ancient civilizations.

Like many other things, however, our sun is prettier at a distance. Turns out

the sun is a violent place where magnetic fields and fusion energy spew plumes of radiation into outer space and at Earth. Physicists call this phenomenon space weather, and seek to understand it by running increasingly complex simulations on increasingly powerful computing systems.

Gregory Scott Jones | Comments (0) ★★★★★

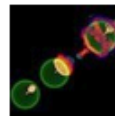
Science by citizens



The Citizen Cyberscience Center held the second London summit last week, presenting projects from aerial balloon mapping to identifying wild animals.

Neasan O'Neill | Comments (0) ★★★★★

Catch the wave

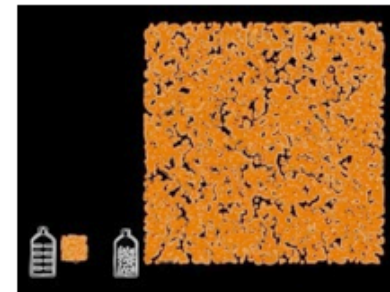


Modeling and simulation using high performance computing help scientists advance work with supernovas.

★★★★☆ Barbara Jewett | Comments (0)

VISUAL

Even molecules have their own waltz



Comments (0) ★★★★★

SPOTLIGHT

They don't make them like they used to



An IT worker puts his daughter's laptop through the 2012 notebook tough-test.

Comments (2) ★★★★★

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Seven innovative ways to cool a scientific computer

Going public

Research networks: Global connectivity

Making Europe cloud active and cloud friendly

ISGTW & GridCast go to Taipei

careers

Editor for online e-science publication, ISGTW
27 Feb 2012

Computer engineer (staff position), closing date: 8th March 2012
24 Feb 2012

post job

digital stream

isgtw: Citizen science helps identify rare mountain mouse deer that has only been seen once before in wild.
<http://t.co/f7rJ22Wk> @EDGEofExistence
1 hour 39 min ago
via Twitter

isgtw: Researchers @NorthwesternU multiply surface area for methane storage to more than 50 million square metres.
<http://t.co/usu0H4Qm> #fuel
3 hours 32 min ago
via Twitter

isgtw: 30 million hours on @ENERGY #hpc helps researchers better understand the Sun's space weather. <http://t.co/WOT1WLU> @OakRidgeLabNews
7 hours 37 min ago
via Twitter

calendar

February						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29			