



**Where to go and what to do next — OSG,
resources, help, mentors
Thursday afternoon, 4:30pm**

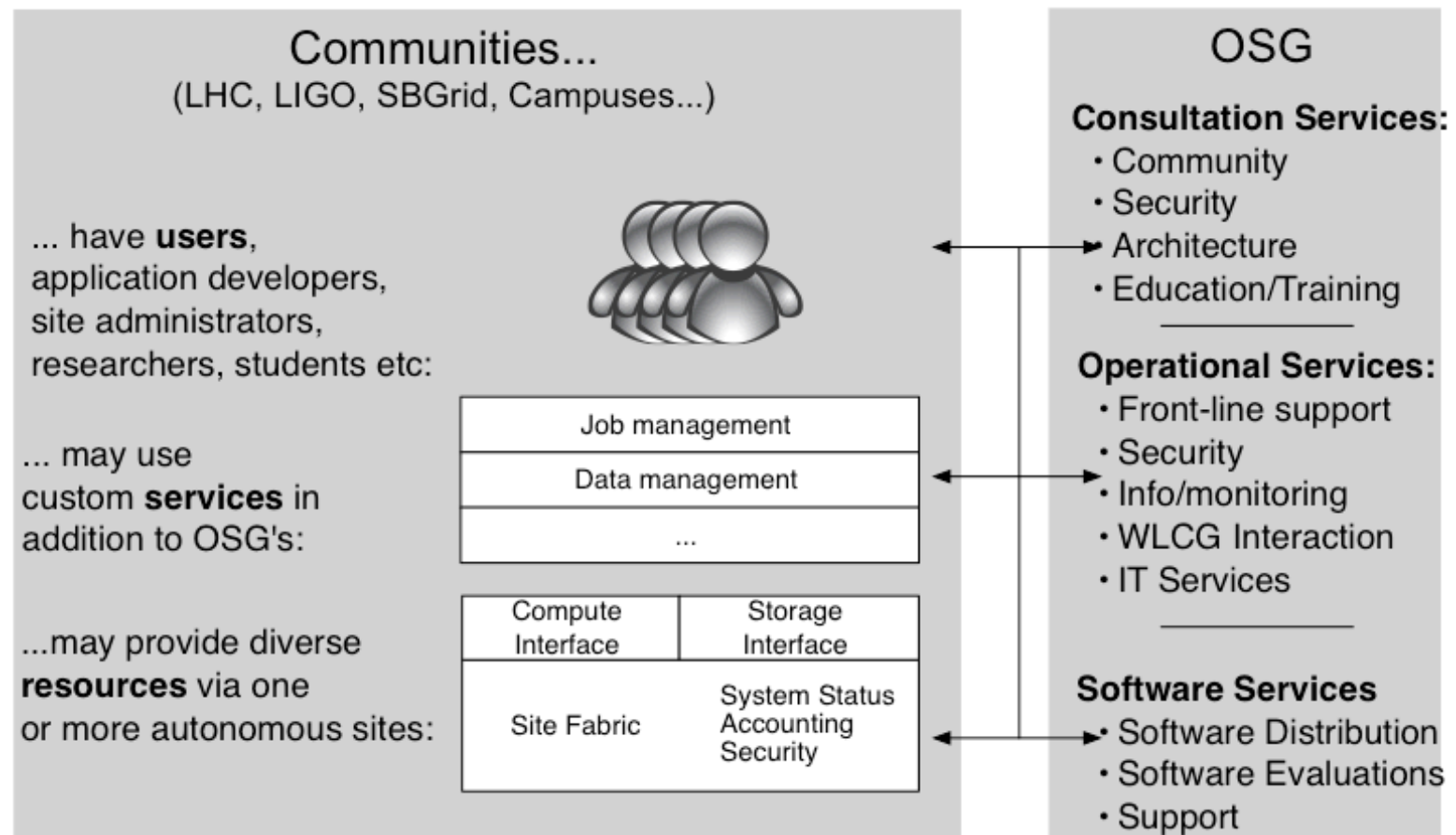
Jim Weichel <jweichel@fnal.gov>

OSG Special Projects

Fermi National Laboratory, University of Florida

Open Science Grid

- We are a community and people are available to help do science with DHTC
- A consortium of users, resource providers, and software providers
- We are Open – available to people to use resources, contribute resources, contribute solutions and software, form virtual organizations
 - Members maintain local authority on their resources
 - Interwork with EGI (Europe), NGDF (Nordic), TeraGrid (US)

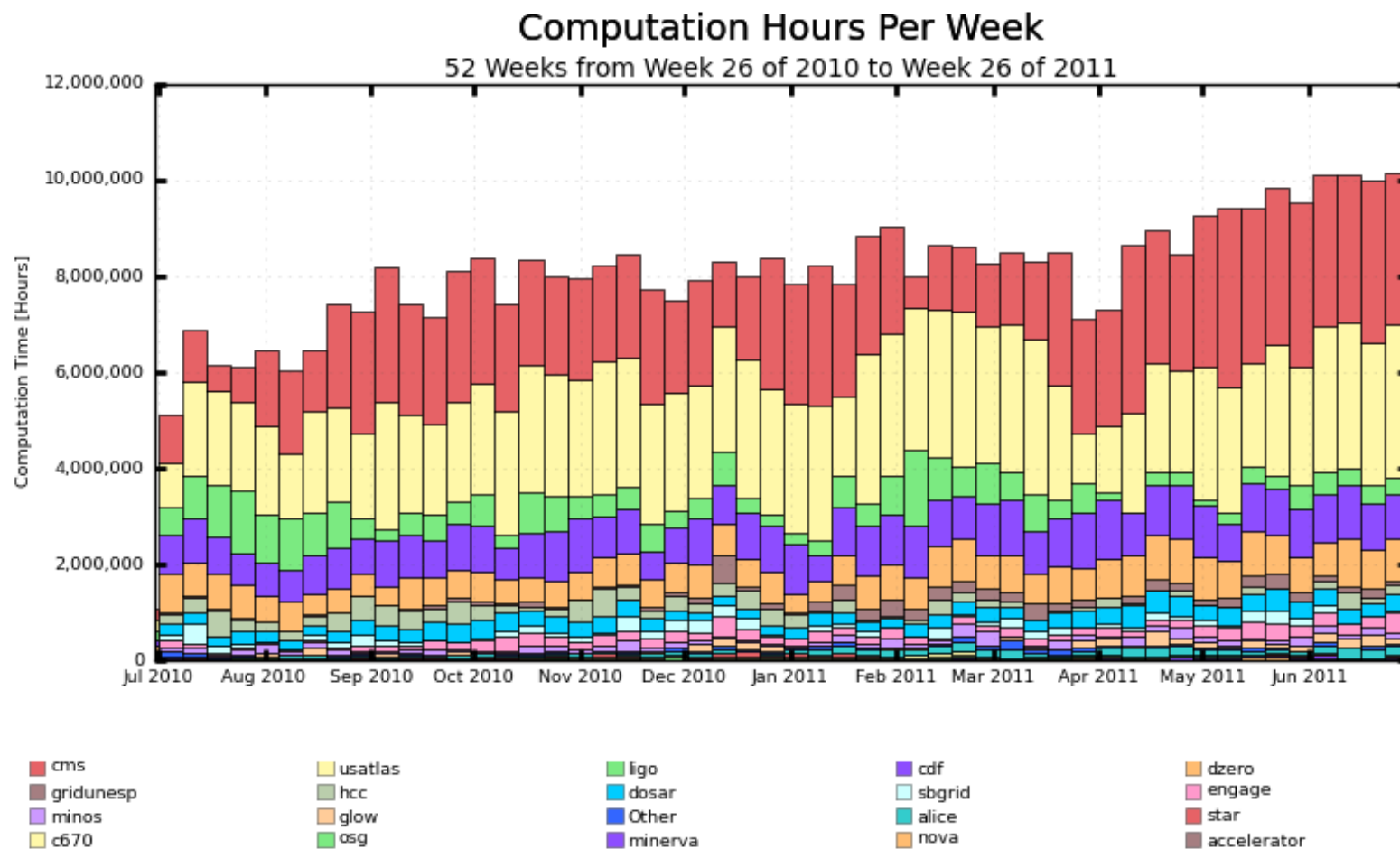


There is a sharing of software, operational services,
and knowledge between the communities
and OSG in each of these areas.

OSG Facts

- ~70,000 cores accessible
- ~29 Petabytes addressable storage
- Move 0.6 Petabytes/day, peaks 1.2 PB
- Users consume >1.3M CPU hours/day
- ~400,000 hours/day are opportunistic
- Includes 9 campus grids

OSG Usage



Maximum: 10,149,325 Hours, Minimum: 1,073,883 Hours, Average: 7,989,502 Hours, Current: 10,149,325 Hours

OSG in North America



OSG in South America



OSG in Asia



For Universities – Campus Grids

- Enable campuses to distribute workloads throughout the campus and to OSG
 - Campus credentials for campus access, grid credentials enable OSG access with same job submission framework
- Uses
 - Condor Flocking
 - Campus Factory Overlay using glideins
- Email: campusgrids@fnal.gov
- Info: <https://twiki.grid.iu.edu/bin/view/CampusGrids/WebHome>

Keep in Contact

- TG11 – more later
- All Hands Meeting (AHM) – Mar 19-22 in Lincoln, NE – Participate in a session highlighting your work and use of HTC
- Condor Week – May 1-4 in Madison
- Subscribe to iSGTW for interesting updates on science using distributed computing – www.isgtw.org
- Mentors – more later

Final Assignment

- Write how you will apply what you learned this week to your science/computational problem.
 - Due: End of July
 - Send to: Tim cat@cs.wisc.edu, copy your Mentor
 - <https://twiki.grid.iu.edu/bin/view/Education/OSGSS2011Assignment>
- Might leverage this to make a poster for TG11
 - Poster becomes the assignment
 - Contact Laura McGinnis lfm@psc.edu by July 8th, copy Tim, Jim, and Mentor
 - Maximum 4' x 4' poster

- July 17-22, 2011
- Exciting Technology and Science Program
 - July 17-22, 2011, Salt Lake City
 - <https://www.teragrid.org/web/tg11/program/schedule>
- Many of you are attending & I will also, including tutorials on Monday
 - We can meet for dinner on Monday night
 - Or arrange to meet at the reception Tuesday

Mentors

Each of you will have a Mentor

- Mentor should work with you on how he can best help
 - Use email, periodic phone call
 - Mentor can help link you to the right person
 - We plan a conference call in October with you and the mentors

Help When You Get Home

- Mail Lists

- gridschool-2011@opensciencegrid.org will still exist
- vdt-support@opensciencegrid.org (software support)
- goc@opensciencegrid.org (operations center)
- sites@opensciencegrid.org (setting up sites)

- Useful Websites

- www.cs.wisc.edu/condor Condor homepage
- www.cs.wisc.edu/condor/manual Condor manual
- www.opensciencegrid.org OSG homepage
- twiki.grid.iu.edu OSG Collaborative site/Documentation
- <https://myosg.grid.iu.edu/about> OSG Information Source (VOs, Resource Status, Status map, Usage, etc.)

- People and Mentors

Mentor Assignments

Ahmed	- Tim	Inna	- Alain
Alain	- Zach	Javier	- Tim
Alexey	- Alain	Julio	- Igor
Amos	- Jim	Kartik	- Brian
Daniel	- Igor	Ray	- Igor
David	- Brian	Seo-Young	- Tim
Diego	- Tim	Terry	- Jim
Dima	- Brian	Wayne	- Brian
Dipongkar	- Alain	Weiwei	- Jim
Eduardo	- Igor	Yanli	- Tim
Erich	- Jim	Yao	- Zach
Haiyang	- Alain	Yasi	- Zach
Igor	- Zach		

Also in Student List: <https://twiki.grid.iu.edu/bin/view/Education/OSGSS2011Students>

We hope you enjoyed the learning!

Please continue to work with us

- Do and/or support research
- Use our software
- Use our resources
- Contribute to our collaboration and team
- We look forward to supplying new solutions based on your needs

Questions?

- Questions? Comments?
 - My contact info:
Jim, jweichel@fnal.gov, jdweichel on AIM,
jweichel on Skype