



Open Science Grid

OSG User Support Update

OSG Area Coordinators Call

July 9, 2014

Chander Sehgal - FNAL



Key Initiatives

1. Effective service delivery for XSEDE Users of OSG; hardware upgrade ordered for submit host
2. Identify and implement methods for growing XSEDE user base via XRACs (not just start-up allocations)
3. Research opportunistic eco-system and grow opportunistic pool; beginning to work with sites that don't offer any/much opportunistic
4. In August, establish connection with ACI-REFs project and identify methods for growing OSG-Direct and OSG-Connect user base; develop tutorials to support this interface
5. Support new communities who want to connect new sites to OSG (U-Washington, NDSU, Syracuse)
6. Assist Campus Grids in building a more friendly software and execution environment for users of OSG-Connect



Top Concerns

1. Need a good understanding of the OSG opportunistic ecosystem and “optimal” methods to quantify and access these opportunistic resources
2. We continue to struggle with inadequate tools for understanding production issues in a glide-in WMS environment
3. Coordinating data with jobs at sites
4. New site integration is picking up and we (in User Support) have limited expertise in that area

We need help from Technology Investigations on items 2 & 3



User Support Team

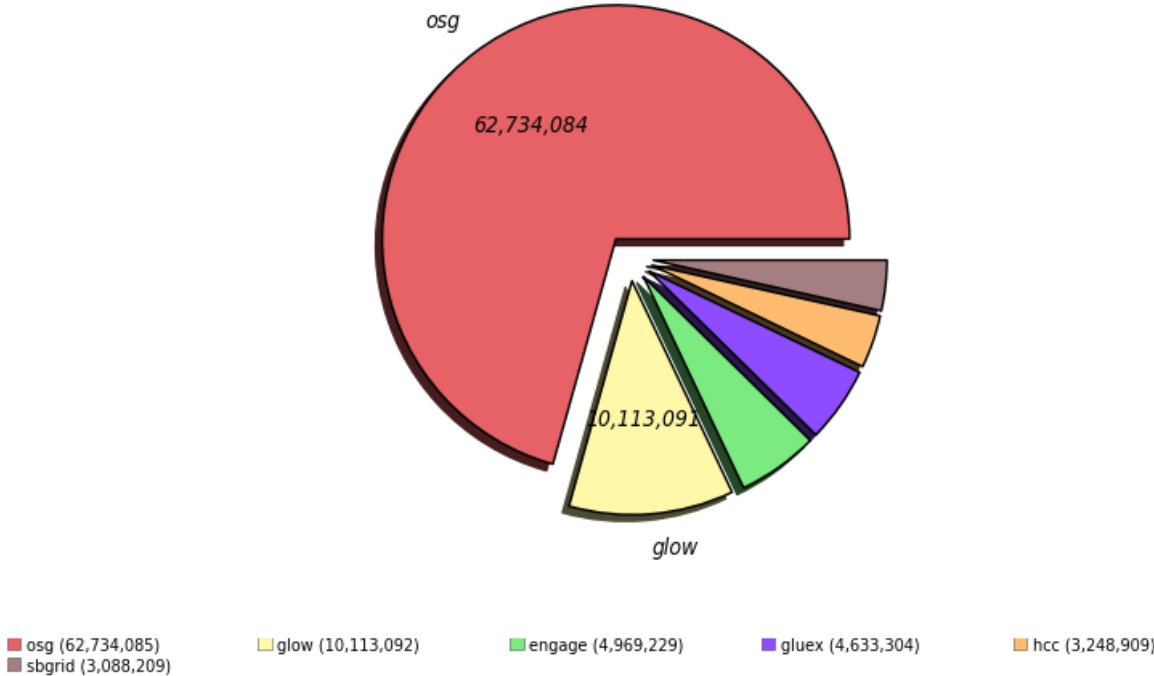
Name	Institution	%FTE
Mats Rynge	ISI	50%
Emelie Harstad	Nebraska	50%
Marko Slyz	FNAL	60%
Tanya Levshina	FNAL	25%
Bo Jayatilaka	FNAL	75%
Alex Zaytsev	BNL	10%
Chander Sehgal	FNAL	30%
TOTAL		3.0



OSG Opportunistic Eco-system

Usage by “opportunistic VOs” for 12 months ending 30-June-2014

Wall Hours by VO (Sum: 88,786,825 Hours)
52 Weeks from Week 28 of 2013 to Week 27 of 2014



The numbers are smaller than we are used to seeing now that we have fixed the double counting of FERMIGRID wall hours



XSEDE users July 2013 to June 2014

Project Name	PI	Institution	Field of Science	Wall Hours
TG-IBN130001	Donald Krieger	University of Pittsburgh	Biological Sciences	30,093,013
TG-DMR130036	Emanuel Gull	University of Michigan	Materials Research	1,002,361
TG-PHY120014	Qaisar Shafi	University of Delaware	Physics	584,567
TG-TRA100004	Andrew Ruether	Swarthmore College	Other	417,351
TG-MCB100109	Lillian Chong	University of Pittsburgh	Molecular Biosciences	264,362
TG-CHE130091	Paul Siders	University of Minnesota; Duluth	Chemistry	134,193
TG-IRI130016	Joseph Cohen	University of Massachusetts; Boston	Robotics and Intelligent Systems	80,940
TG-CHE130103	Jeremy Moix	Massachusetts Institute of Technology	Chemistry	61,405
TG-MCB090163	Michael Hagan	Brandeis University	Molecular Biosciences	56,314
TG-OCE130029	Yvonne Chan	University of Hawaii; Manoa	Ocean Sciences	34,547
TG-TRA120014	Pol Llovet	Montana State University	Cross-Disciplinary Activities	19,479
TG-IBN130008	Jorden Schossau	Michigan State University	Biological Sciences	16,857
TG-DEB140008	Robert Toonen	University of Hawaii; Manoa	Environmental Biology	4,106
TG-ATM130015	Phillip Anderson	University of Texas at Dallas	Atmospheric Sciences	3,379
TG-MCB120070	Joseph Hargitai	Albert Einstein College of Medicine	Molecular Biosciences	378
TG-TRA120041	Hanning Chen	George Washington University	Computer Science	231
TG-PHY110015	Pran Nath	Northeastern University	Physics	37
TG-MCB140160	David Rhee	Albert Einstein College of Medicine	Molecular Biosciences	15
TG-MCB130072	Robert Quick	Indiana University	Molecular Biosciences	11
TG-CCR120041	Luca Clementi	San Diego Supercomputer Center	Computer and Computation Research	6
TG-CDA100013	Mark Reed	University of North Carolina; Chapel Hill	Mathematical and Physical Sciences	6
TG-STA110014S	Nancy Wilkins-Diehr	University of California-San Diego	Other	5
TG-CCR130001	Ruth Marinshaw	Stanford University	Other	2
Total			23 Users	32,773,563



OSG-Direct users July 2013 to June 2014

Project Name	PI	Institution	Field of Science	Wall Hours
SPLINTER	Robert Quick	Indiana University	Medicine	8,084,640
Duke-QGP	Steffen A. Bass	Duke University	Nuclear Physics	3,972,774
Snowmass	Meenakshi Narain	Brown University	High Energy Physics	2,812,541
RIT	P. Stanislaw Radziszowski	Rochester Institute of Technology	Computer Science	1,999,031
ECFA	Meenakshi Narain	Brown University	High Energy Physics	1,744,646
UMich	Paul Wolberg	University of Michigan	Microbiology	1,280,064
UPRRP-MR	Steven Massey	Universidad de Puerto Rico	Bioinformatics	1,192,943
Pheno	Stefan Hoeche	SLAC	High Energy Physics	1,108,623
DetectorDesign	John Strologas	University of New Mexico	Medical Imaging	989,043
IU-GALAXY	Robert Quick	Indiana University	Bioinformatics	665,197
EIC	Tobias Toll	Brookhaven National Laboratory	Accelerator Physics	564,486
HL-LHC-TP	Meenakshi Narain	Brown University	High Energy Physics	90,870
DeerDisease	Lene Jung Kjaer	Southern Illinois University	Biological Sciences	63,759
OSG-Staff	Chander Sehgal	Fermilab	Computer Science	40,514
SoyKB	Dong Xu	University of Missouri	Plant Biology	24,323
P0-LBNE	Maxim Potekhin	Brookhaven National Laboratory	Physics - Neutrino	18,334
BNLPET	Martin Purschke	Brookhaven National Laboratory	Medical Imaging	1,289
SNOplus	Joshua R Klein	University of Pennsylvania	Physics - Neutrino	489
Total		18 Users		24,653,567