



Open Science Grid

OSG-XD Usage Update

OSG Council Meeting

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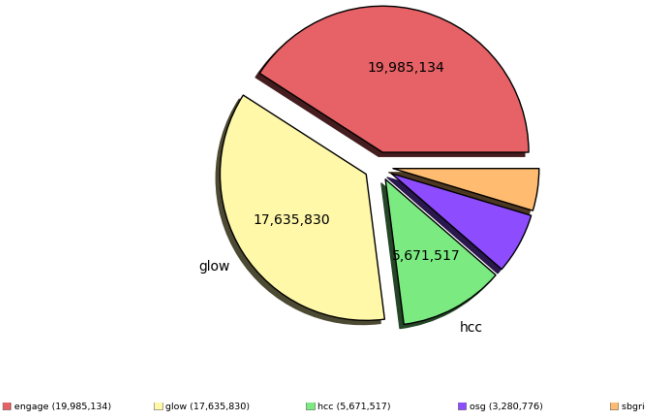
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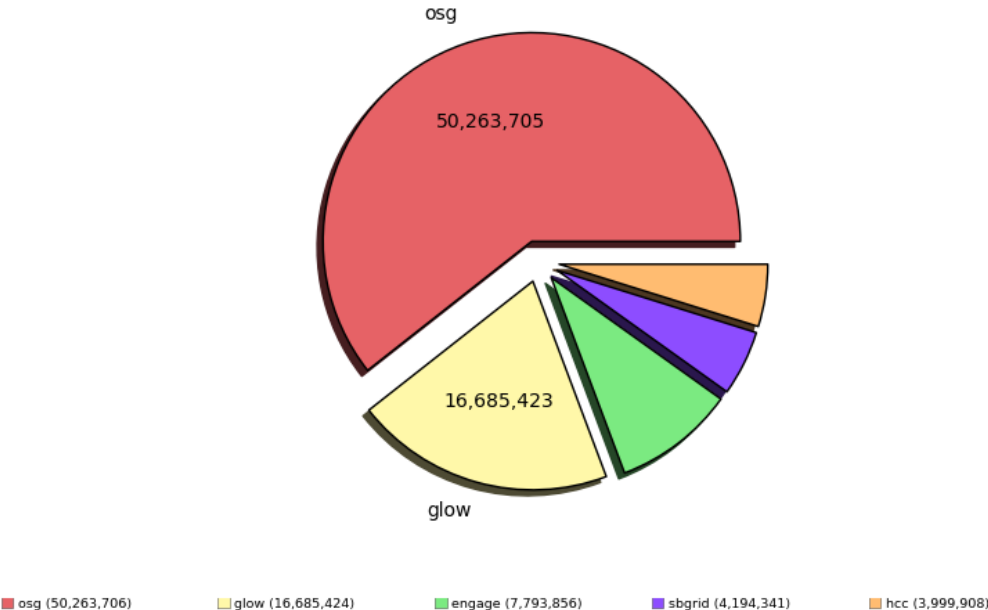
OSG Opportunistic Usage 2012 to 2013

OSG Opportunistic Wall Hours (Millions)		
VO	2012	2013
engage	20.0	7.8
glow	17.6	16.7
hcc	5.7	4.0
osg	3.3	50.2
sbgrid	2.2	4.2
Total	48.8	82.9

Wall Hours by VO (Sum: 48,844,264 Hours)
53 Weeks from Week 01 of 2012 to Week 00 of 2013



Wall Hours by VO (Sum: 82,937,234 Hours)
53 Weeks from Week 00 of 2013 to Week 00 of 2014





2013Q4 OSG-XD Usage

OSG continues to actively support U.S. researchers who are not already affiliated with an OSG community in gaining access to DHTC computing resources. This spans researchers who make their request via XD as well as those that directly contact OSG.

Month	Active PIs
10/2013 Count	21
11/2013 Count	23
12/2013 Count	21

Month	Wall Hours
10/2013 Total	4,216,123
11/2013 Total	4,357,300
12/2013 Total	4,210,595

In the last quarter, 23 distinct research groups (10 from OSG and 13 from XD) received access to DHTC via OSG and used 12.8M hours (4.0M for OSG and 8.8M for XD).



Researcher Enabled in 2013

OSG-XD

Project Name	PI	University	Science Domain	Hours
TG-ATM130009	Phillip Anderson	University of Texas at Dallas	Atmospheric Sciences	51,221
TG-ATM130015	Phillip Anderson	University of Texas at Dallas	Atmospheric Sciences	77,168
TG-OCE130029	Yvonne Chan	University of Hawaii, Manoa	Ocean Sciences	15,781
TG-IRI130016	Joseph Cohen	University of Massachusetts, Boston	Information, Robotics, and Intelligent Systems	70,536
TG-MCB100109	Lillian Chong	University of Pittsburgh	Molecular Biosciences	174,010
TG-CCR120041	Luca Clementi	San Diego Supercomputer Center	Computer and Computation Research	12
TG-DMR130036	Emanuel Gull	University of Michigan	Materials Research	196,835
TG-DMR120085	Emanuel Gull	University of Michigan	Condensed Matter Physics	60,624
TG-MCB090163	Michael Hagan	Brandeis University	Biophysics	16,116
TG-MCB090174	Shantenu Jha	Rutgers, the State University of New Jersey	Molecular Biosciences	1,223
TG-IBN130001	Donald Krieger	University of Pittsburgh	Integrative Biology and Neuroscience	18,713,382
TG-CHE130103	Jeremy Moix	Massachusetts Institute of Technology	Chemistry	5,027
TG-PHY110015	Pran Nath	Northeastern University	Physics	1,004,429
TG-DMS120024	Benjamin Ong	Michigan State University	Mathematical Sciences	68,907
TG-MCB130072	Robert Quick	Indiana University	Molecular Biosciences	15
TG-TRA100004	Andrew Ruether	Swarthmore College	Training	444,374
TG-IBN130008	Jorden Schossau	Michigan State University	Integrative Biology and Neuroscience	4
TG-PHY120014	Qaisar Shafi	University of Delaware	Physics	403,126
TG-CHE130091	Paul Siders	University of Minnesota, Duluth	Chemistry	56,827
TG-STA110014S	Nancy Wilkins-Diehr	University of California-San Diego	Center Systems Staff	5
TG-STA120004	XD Staff	Various	Testing & Integration	14
XD Total				21,359,647



Researcher Enabled in 2013

OSG-VO Direct

Project Name	PI	University	Science Domain	Hours
Duke-QGP	Steffen A. Bass	Duke University	Nuclear Physics	2,237,773
SPLINTER	Robert Quick	Indiana University School of Medicine	Medicine	4,006,656
IU-GALAXY	Robert Quick	Indiana University	Bioinformatics	196,555
RIT	Alexander Arlange	Rochester Institute of Technology	Ramsey Numbers	836,826
Snowmass	Meenakshi Narain	Brown University	LPC group	9,972,492
ECFA	Meenakshi Narain	Brown University/LPC group	Particle Physics	1,744,646
SNOplus	Joshua R Klein	University of Pennsylvania	Physics - Neutrino	488
DetectorDesign	John Strologas	University of New Mexico	Medical Imaging	353,847
BNLPET	Martin Purschke	Brookhaven National Lab	Biomedical Imaging	22,453
UMich	Paul Wolberg	University of Michigan	Microbiology	793,091
EIC	Thomas Ullrich	Brookhaven National Lab	Particle Physics	231,815
UPRRP-MR	Steven Massey	Universidad de Puerto Rico, Rio Piedras (UPRRP)	Bioinformatics	41,183
TG-TRA120041				48
Unknown				4
OSG Total				20,437,882



Looking Forward

1. How do we identify more researchers who can benefit from access to OSG DHTC ?
2. How do we get access to more opportunistic cycles? (seem to have hit some sort of ceiling at ~15K cores)

What transformational changes do we need to make to achieve a 50% increase in US researchers using DHTC via OSG in 2014?