



Open Science Grid News

FEBRUARY/MARCH 2008

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Upcoming OSG Events

[PRAGMA14](#) ([More Information](#))
March 11-12, 2008
Taichung, Taiwan

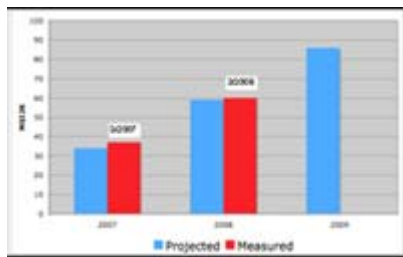
[International Symposium on Grid Computing](#)
Taipei, Taiwan
April 7-11, 2008

[Georgetown Grid School](#)
Washington, DC
April 15-17, 2008

- [OSG CALENDAR](#)
- [EVENTS OUTSIDE OF OSG](#)

OSG Metric

Measurement of MSI2K Accessible to the OSG Infrastructure February 2008



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The graph above shows the total Million SPECint 2000 (MSI2K)* accessible to the OSG infrastructure as proposed in the initial project execution plan and as measured in March 2007 and February 2008.

The 2007 measurement was made through a manual survey of processing resources. Only 40% of the sites responded and a projection to 100% was then made. (This report was sent to the JOT and Council last year and is available on request from osg-webmaster@opensciencegrid.org. The 2008 measurement was made based on the number reported by the OSG Information Service (Generic Information Provider). 63 resources (~85%) reported and 3 by-hand corrections had to be made. To-date, we haven't independently validated the result. We know that the number fluctuates for specific activities, for example, for the ATLAS analysis challenges and through guaranteed

From the Executive Director

We held our annual [All Hands Consortium Meeting](#), followed by the semi-annual Council meeting, earlier this month. At the end of his two year term, Bill Kramer stepped down as Chair of the Council. We have greatly benefited from his wise and experienced leadership during the past two years and look forward to his continuing involvement in the work and direction of the consortium.

We are further fortunate that Paul Avery and Kent Blackburn stepped forward and were elected as the new Council co-Chairs.

At the [All Hands](#) itself, there was lively discussion throughout and the exchange of a lot of information and ideas for the future. I really wish we had recorded at least the plenary sessions so we could share this with the rest of you!

There was a whirlwind of activity throughout the meeting: We held a Biology Applications Workshop, a Campus Infrastructure workshop, the next in our series of Site Administrators meetings and ATLAS and CMS co-located meetings. There were discussions from our science users, briefings on OSG's status and reports of worldwide cyberinfrastructure, outreach and education. Even at the end of three long days people listened to three alumni from our grid schools who gave us their feedback and explained their plans for using distributed computing in the future.

The first testing phase towards the release of the OSG 1.0 software has now started on the Validation Test Bed, with testing on the Integration Test Bed (ITB) to follow shortly.

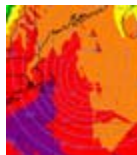
In this release of OSG, the VDT package will no longer include a version of OpenSSL. Instead, it will rely on the pre-installed version of OpenSSL on each site. We have done a lot of additional testing of the VDT with this change and will be working closely with the sites to ensure there are no unanticipated problems.

~ Ruth



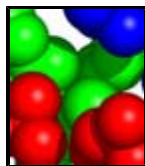
Ruth Pordes

New Research Highlights



[Stormy weather: grid computing powers fine-scale climate modeling](#)

Why run individual models when you can run them in combination? When it comes to climate modeling, 16 forecasts are better than one.



[Matchmaking for Science: RENC1 connects researchers with computing resources on the Open Science Grid](#)

Thousands of compute hours are needed to create modules of proteins that could lead to cures for many cancers.



[Computing the Unseen: The Search for Dark Matter](#)

Everything we can see and detect makes up only four percent of the universe. Physicists on the CDF experiment are conducting a search that could shed light on the universe's dark matter."

[View More Research Highlights...](#)

commitments during the 2007 D0 reprocessing effort.

Please note that this is the MS12K reported as accessible to the shared infrastructure on a particular day. Local policies govern the use of the resources, and only a percentage of the resources are usable by organizations other than those that own them.

The maximum current usage of OSG is 16,000 CPU Wall Clock Days/Day, with 80% of the sites reporting to the accounting system. The usage has dropped somewhat in the last week due to a hiatus in ATLAS event production and analysis.

~ OSG EB

* From the OSG Project Execution Plan:
"Conversion from MS12K is 1500-1700 SI2K/CPU in 2008."

OSG in iSGTW

[Resources - Getting started with grid computing: engage with OSG](#)
March 5th, 2008

[Evolving towards the future of science: genetic algorithms and grid computing](#)
February 27th, 2008

[Feature - Les Robertson: six years at the head of the LCG](#)
February 27th, 2008



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