**Brief Notes from OSG Council Meeting, Mar 26-27/2015:**

Present: David Swanson (MC), Frank, Miron, Lothar, Rob G, Rob Q, Bill Barnett, Mark Neubauer, Jim Bottum, Barr Von Oehsen, Don Kreiger, Horst Severini, Michael Ernst, Ken Bloom, Panagiotis Spentzouris

Regrets: Greg Bell, Chander Sehgal, Steve Tuecke, Jarek Nabrzyski

*AHM:*

* Very good location and logistics and excellent job by the local organizing committee.
* Discussion of value of the science presentations? Skinny on the computational part. Give the speakers pointers related to the technology bent of the audience. Find a way to talk more about the computational part and less the science part. Talk about what people can learn about your computing experience. Here are the things that would enable me to do even more. Instructions for the program committee.
* Bioinformatics workshop was good quality. Good to repeat next year. Are there any other domains that are active enough to also have such a workshop? Perhaps invite representatives of the Digital Humanities next year; perhaps paired – one person from center and one from domain with a tag team talk.
* Panel session was useful. Perhaps again next year with more representation and on the Plenary day.
* Since initial on-boarding of Syracuse this site has been giving significant opportunistic cycles with almost 0 support load. Is this a model we can replicate? Many times?

*Discussion of synergy and developing relationship, interfaces, collaboration between ACI-REF and OSG*

* Rob G will present OSG Connect at regional meeting in Atlanta organized by Clemson. Potential to demonstrate OSG Connect with SSH login to each campus “on the fly”.
* What kind of organization and governance structure for a sustained ACI-REF activity makes sense and how do this and the OSG work together for the short, medium, long term.
  + E.g. Consortium Open Science/Research Support Consortium where membership will be at the academic institution level.
  + Quarterly meetings of some subset of representatives.
  + Meetings/Workshops of mutual education.
  + OSG would participate in workshops to expose community of facilitators on a national basis (cf. AAAS).
  + National organization of research facilitators? (attractive to NVidia as much as OSG).
  + Not technical meeting.
  + Adopt/adapt <http://casc.org/> Coalition for Academic Scientific Computation
* Infrastructure costs for aci-ref. Business model of the organization. OSG understand what our role in participating is. e.g.
  + What is the effort and activities needed.
  + Help ACI-ref promote DHTC.
  + Educate the facilitators to facilitate needed capabilities - Independent of OSG/XSEDE – agnostic.
  + Next 6 months opened up the lines of communication from facilitators to other universities.
  + Collaborate on documenting and communicating.
  + … other specifics.
  + Build out vision of the OSG is much broader than the OSG cycles. Moving DHTC thinking in to the thinking of the reseearchers.

*General:*

* The Council unanimously expressed its deep appreciation for the extremely successful and productive project work done by Chander Sehgal as User Support Area Coordinator for the past few years. The accomplishments have been significant - including support for the OSG-XD allocations and users, the instantiation of OSG-Direct, and the continuous ramp up of use of opportunistic cycles across the Open Facility.
* The Council reviewed, and expressed its thanks to the user support area for, the work on the OSG SU conversion factor in XDMOD.
* The Council expressed its appreciation to the Clemson leaders of ACI-REF for making the investment to attend the OSG meeting and engage with the Consortium, Project and Council

Report from “Evaluation of OSG Blast database distribution service and, separately, OSG supported Galaxy interface to for Blast jobs: NCGAS/IU VO + Notre Dame:

1. Enough demand for the tools? Blast – yes.
2. Does IU want to offload more of the Blast activity to OSG.
3. Separate Blast from Galaxy.
4. Big Customers? 1, 10,1000
5. Need Total Blast usage and to understand the potential market? Demand quantification.
6. ? Have Council members gather local information about potential Blast users/usage.
7. Educational usage in addition/different from Research – do they have a common UI. Genomics subway.
8. Technology impedance/mismatch between galaxy and OSG. Galaxy assumes a shared file system. Anything with galaxy requires modifying the tools to move the data with them for computation. Blast and Bowtie. Does not make sense to take something that runs for 3 minutes and run on OSG.
9. CS Rosetta 12 m hours, 6%, total 1.5 m hours on OSG. How much effort are we prepared to put in for 6%.

*Current status of “Evaluation of OSG Blast database distribution service and, separately, OSG supported Galaxy interface to for Blast jobs: NCGAS/IU VO + Notre Dame:*

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*Update on Existing Action Items:*

Most items closed or dropped with change in Executive Director.

Maintain:

145. Report on experience with using GPU for SBGrid - Brian, Piotr

* Report from Mick Timony at the Marc Council meeting. SBGrid updating their software. Will be some time before results. Council and project are interested in them.[https://docs.google.com/presentation/d/1nlWDr7sg764PP-TsFFSAGyou7HdMKCXqXLFgMBy397M/edit?usp=sharing](https://docs.google.com/presentation/d/1nlWDr7sg764PP-TsFFSAGyou7HdMKCXqXLFgMBy397M/edit?usp=sharing" \t "_top)

141. Answer what is demand limited and what is limited by availability of resources - Bo.

* Report from GlideinWMS of load they can see in the queue Condor can see this load. Not what they did.
* OSG GlideinWMS Factory Operations for a Time History of a stacked plot of all the front end requests stacked. Condor, OSGVO and compare and overlay the stacks. And how many jobs are running for next Council meeting – Jeff will help.
* Jan through Mar 2015 report.
* Other potential bottleneck/throttling/scalability issues:
  + GlideinWMS policies – exposed and explained.
  + Resource does not let a particular VO (e.g.Glow) run
  + Something hidden something in the Factory

*AOB: Any communities we could go back and revisit??*

* KBASE –Frank not a no brainer
* Brain researchers – Miron. Statistics, phenotypes.
* Harvard – free surfer. 20hours on a single processor. Multi-threaded. 6 processors. 7 hours. Package is large. Ported to the OSG - Don
* Human Brain Initiative – lot of image processing. See if we can reach out to one of the key people – Don, Frank
* Harvard ACi-REF – Frank contact James Cuff when Frank is in Boston
* Columbia U – any non-physics contacts – Frank
* Brown is top college for software engineering – what connections might we have? - Miron

*New Action Items:*

151. Report back to Council on explanation for daily variations/swings in OSG-XD usage as displayed on the XDMOD daily plots - Bo, Mats

150. Subgroup to discuss with Jim Bottum and Barr Von Oehsen relationship opportunities and strategies between ACI-REF and OSG. (XSEDE – proposal by end of June; ACI-REF – 6-9 months, OSG – 18 months)

* Present status/results of the work at each Quarterly Council meeting - David Swanson (Chair), Frank, Rob Garner, Mark Neubuaer

149. Present to Council 1 page document on "Enabling Campus Resource Sharing and use of remote OSG resources in 15 minutes - Rob Gardner, Frank

148. Report back to the Council when an understanding of the constraints of Glow submissions to OSG (10K jobs in parallel?) are understood – Bo

147. Present a report at each Council meeting of list of individuals using OSG outside of ATLAS/CMS. – instrument all schedds to report this; Bo, Tanya

146. End to end test of using GPU resources through OSG. - Rob Quick, Brian Bockelman

*Next Meeting:*

Phone meeting Week of June 22th or 29th : 29th is Atlas s/w week; Bill at a conference on 22nd. Ken@CERN whole period

(e.g. HPDC  June 15-19, 2015)

Focus Topic: Bioinformatics, Brain research – campus use

Bill Barnett is the “volunteer” helping the Council Chair