STAR VO thoughts and vision for the OSG

Why OSG is important to me
STAR has been part of the OSG since its forming and we view this participation as an essential and an integral part of our Physics program, commonly developing & using tools and ideals to share software stack and infrastructure and form an aggregation of our resources. We have leveraged and integrated the paradigm of Grid (&Cloud) as new ways for data processing, data distribution and even sing the OSG infrastructure for code and library deployment and validation (as well as quality assurance). OSG represents for us a unique environment of collaborative work where we can express, exchange and share ideas and create mutually beneficial opportunities for moving technologies and the distributed computing vision into the future.
The realities of mixed models (a.k.a. Cloud and Grids or perhaps Grid+VM) and the ability to merge the two worlds has been a keen interest and it is with hopes and satisfaction that we have seen many contributions and attempts to merge work-flows between Grid & Clouds at this OSG-AHM. We have advocated and will continue to advocate and investigate ways to use virtualization as an essential component to homogenize resources and platforms across sites as a way to reach truly opportunistic resource sharing.
We hope that at some stage, the *Infrastructure Strategy for DOE Cloud* project (Irmo) we are a participant off, would be able to join as a satellite [the initial attempt was not all successful as the intent was "late" - the decision to join is pending while the project gets organized and narrow down its path].
A side note that the *Elastic Colony Manager* presentation (David Champion) certainly reminded us the Magellan "Ant Colony" idea we had – the Elastic Colony idea seemed like a very advanced thought and we would imagine we would benefit from having a closer look (and discussion) hence another area where ideas can be shared and consolidated.

How I plan to help the Campus Program
For the Campus Program, while we hold a few US universities as member of the collaboration, we have no mechanism to encourage the forming of a resource as envisioned by this effort. However, we were interested in BOSCO and shall an opportunity appear, we would certainly suggest our constituent to at least look in the proper direction.

OSG evangelization/ambassador efforts
We prefer the term of "ambassador effort".

While our effort level is sparse – the leave of Doug Olson (left for retirement) as an additional ambassador, coordinator and proxy has left a hole not refilled – collateral benefits continues and our ambassador effort remains strong. This could be seen through:

- Financial support of the OSG by the agency, however modest from the agency, was advocated by STAR. As far as STAR remains an OSG member, we will continue to advocate for financial support for the OSG and our common benefits.

    ○ Note: The NPP office approach remains to consult with their stakeholders.

- We have spread the good word and this could be seen by the OSG having requests from the Electron Ion Collider [EIC] (Thomas Ullrich is a STAR member and was a suggestion we made in the past for him being a member of the OSG Advisory Board, a suggestion aimed at a future outcome for EIC with an early exposure to the OSG ideals) – local LSST members were also advised to look in the OSG direction (but my guess is that the LSST effort Chander noted did not come from our side of advocacy, unlike the EIC)
- Our intent is to continue to persuade sites such as KISTI to lease our spare/unused cycle to

targeted OSG communities (Engage VO, …) upon mutual agreements.

- ○ Note: we understand there are divergence of opinions as per whether the OSG should serve the global world with software stack and acknowledge as well as appreciate the (growth and sustainability) concerns.

- We will continue to make our current resources available to the Engage VO and respect our agreement made at a past council meeting with the representative – this would include other Tier1 centers (as agreement is reached). We will continue to listen to other council members who would approach us with requests to have our resources opened for their use (we similarly allowed LIGO upon a discussion and agreement reached via discussion at council level)

- We will continue to explicitly, and in a nominative manner, acknowledge the help and support of the OSG on our Physics published papers (along with Tier0/Tier1 center facilities) and make no distinctions of benefits (the OSG infrastructure is viewed like another kind of "Tier" site).

What staff I am contributing and would like to contribute to the OSG activities
What I want/plan to do over the next two years to lead - ensuring the success of the OSG
STAR does not have any direct funding from the agency to sustain OSG/Grid activities apart from the funding provided to the OSG (as noted by Lothar slide 12). However

- STAR invests some of its FTE to sustain and maintain the (shared) infrastructure.
- STAR feels (or imagine) the future for a sharing of technology and ideas as well as defining common work is bright in the area of "*Virtualized-Grids*" (apart from the talks already mentioned, very much appreciated Shawn McKee's thoughts on Grid&Clouds). The Cloud area is an area we feel that an enthusiastic contribution is likely.
  - ○ We strongly feel the *Infrastructure Strategy for DOE Cloud* proposal ideas and/or products and/or built knowledge would be a good entry point for collaborative work as it matures
- Personal note 1: I am also intrigued with BOSCO and feel that if there are room for help (testing?), we (STAR) could contribute but this product is not well known in our ranks (yet).
- Personal note 2: Where I feel I can contribute (although not leveraged as often as I feel could be done) is the participation in OSG sub-committees (I have an opinion on about everything :-)).