

General comments related to monitoring from the WLCG workshop

- VO monitoring tools are very important for site admins. However sometime they are either not well advertised or have a restricted access. No complains about ATLAS and CMS.
- Sites would like to know asap when they are banned by the experiment , and if it the case – then to know why they are banned. Ideally with a pointer to a corresponding tracking system
- Lack of access to job status information makes user support at the site very difficult (LHCb and ALICE). Example : Undetected LHCb upload failures at some UK sites for months.
- Aggregation of monitoring information for the LHC experiments?

The tools which aggregate LHC monitoring information do exist

- SiteView was developed for site admins at sites which serve several LHC VOs and is up and running for a year or so. It aggregates results of VO specific SAM tests, status and some quantities for data transfer and job processing for all 4 LHC VO for a particular site. Provides navigation to primary information sources.
- However according to our web monitoring the application is not used by many people.
- Our experience in CMS shows that only tools which are used both by the experiment community (computing shifters, members of various computing projects) from one side and site admins from other side are becoming popular and are used as a communication channel between experiments and sites.
- Examples of such tools are Site Status Board and Site Usability application based on the results of the VO-specific SAM tests.

The tools which aggregate LHC monitoring information do exist

- Site Usability monitoring application is already used by all 4 LHC experiments, but the information content is limited to the results of the SAM tests . Site usability is calculated based on these results.
- SSB is set up for all 4 experiments. Currently is used by CMS, ATLAS and LHCb. For CMS it is used as a main instrument for computing shifts for monitoring of the distributed sites. Positive feedback from the site admins at the WLCG workshop. ATLAS is evaluating it now to be used the same way as CMS does.
- If SSB is actively used by all 4 experiments then the problem of aggregation of the LHC monitoring metrics and most important links to the tracking systems and primary information sources would be solved.
- **We can not enforce anything but we are trying to advertise it as much as we can and to provide all necessary support.**