Applications Working Group Summary

Tom McGlynn: Chair

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SAMP

- Several alternate approaches for how Web Browser and other SAMP applications can communicate
  - Applets, Browser Plugins, Scripts
- Wrappers to enable use of non-SAMP applicatons
- Hub-Hub and distributed communications.
- SAMP, browsers and semantics: knowledge -> actions

- Relationship of SAMP process-process messaging and Web services.
- Possibility of new SAMP profile, IVOA note or revision of standard to regularize browser access.
  - Consider for Victoria.

Web Applications

- Using the public as a computing resource: analysis of temporal data
- Visualization/analysis of very large VO datasets including theory
- Putting science data in Google Sky and WWT: easy visualization by both public and scientists
- What's needed in VO to handle all-sky and tiered imaging and catalogs?
- ADQL interfaces to data.
- Easy ways of publishing catalogs that also allow for SAMP access.

TAP implementations

- TAP is for real.
- Several alternate implementations available
  - Significant holes remain
- Early discussion of implementations helpful

- PgSphere makes ADQL implementation easier for Postgres based DBs
  - Development to continue here (Demleitner,McGlynn)
  - Indexing
- Need to look further
  - Other packages (Q3C for large tables?)
  - How to go beyond Postgres
  - How to organize this activity