

Applications WG Summary

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Summary

- Sessions

- Web applications
- Local applications
- “Outside the Astronomy box”

- Standards Activity

- SAMP

Web Applications

- Applications:

- SkyAlert: VOEvent distribution machinery
- SAI OCL: Interactive catalogue publication on the web
- VOTA, VOSA: SED construction, asteroseismology
- Vodka: updating service
- Ravioli: VOExplorer-Lite

- Infrastructure:

- VOView: VOTable rendering (XSLT)
- WebSampConnector: SAMP from web pages

- Web 2.0

- CDS annotations service
- VOEvent on iGoogle? VOEvent on iPhone? VOEvent as Art?

Local Applications

- Applications:

- Sherpa: modelling and fitting; use of SAMP for VO access
- Periodograms: opportunities for VO-isation
- FITS Manager: file/desktop management; can complement existing tools via SAMP
- Aladin: all sky via hierarchical image formats (HEALPix) — new registry resource type?

- New library support:

- libVOTable, libSAMP, libVOEvent
- SAMP4IDL

Outside the Astronomy Box

- Comparison with non-astro software, non-astro communities
 - Smart bio applications (Matthew Graham)
 - ▷ Semantics, X-informatics, smart querying
 - Social networking (Dean Hinshaw)
 - ▷ Software available — feasible? desirable?
 - ImageJ (Tom McGlynn)
 - ▷ Very popular/successful contributed software project for medical imaging
 - ▷ Could/should we do something similar?
 - WWT (Jonathan Fay)
 - ▷ Lilacs and Earthquakes
- Keep an eye on other areas?

SAMP

- Continues to be popular
 - ▷ Data interface for existing tools (e.g. Sherpa SSAP via TOPCAT)
 - ▷ File/Desktop organisation enhancement (FITS Manager)
- Toolkit implementations:
 - ▷ C implementation (Mike Fitzpatrick)
 - ▷ IDL implementation (Thomas Boch)
 - toolkits now exist for all(?) important environments
- SAMP from web pages (common requirement)
 - ▷ WebSampConnector (VO-Paris) — signed applet
 - Demonstrated in several products (SAI OCL, Ravioli)
 - Seems to work well . . .
 - . . . but still a few issues
 - ▷ Keep an eye on other (complementary) possible solutions
- Standard revisions:
 - ▷ Minor change to hub discovery in Standard Profile
 - Will implement in JSAMP and SAMPy
 - Then Note or SAMP v1.2
 - ▷ Otherwise: not broke, don't fix it

Other Standards Activity

None.