

Applications WG Summary

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Standards

SAMP v1.2

- Minor update to v1.11
- No disagreements (actually, no comments) in promotion process
 - ▷ is the process heavyweight for minor changes?
- Near to REC 😊

SAMP Web Profile

- Proposed solution to issue of getting web pages to talk SAMP
- Positive response during session
- Work towards SAMP v1.3 (?)
- Go ahead with implementations
 - ▷ Volunteers: WWT, VizieR, SAMPy, others
- Revise draft specification in light of implementation experience
- Expect good progress first half of next year
- Discussions to continue on apps-samp@ivoa.net (*please subscribe if interested*)

SED Tools

Contributions:

- Jesus Salgado: VOSpec and photometry in the VO
- Raúl Gutiérrez: VO SED
- Milvia Capalbi: ASDC SED builder
- Igor Chilingarian: Constructing SEDs from SDSS, GaEx & UKIDSS
- Sébastien Derriere: SED building at CDS
- Janet Evans: VOS SED design and plans

Some highlights:

- VizieR photometry metadata in place
- Detailed requirements document from VAO
- VO-driven SED science is already possible

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Conclusions:

- Lots of effort, lots of expertise, lots of motivation, from lots of projects, to move ahead
- Many pieces in place, but others are still required (especially photometry DM/DAL)
- Situation is encouraging, but much still to do
- It will be a challenge to ensure that coordination is maintained, and standards that emerge are *both good and* acceptable to all participating projects
 - ▷ that's what the IVOA is for!
- Apps WG rôle:
 - ▷ Not leading or coordinating the effort (that's the CSP)
 - ▷ But act as a forum for monitoring progress; success will be judged by whether working tools emerge

Other Tools

VO standards in use:

- Thomas Boch: UWS crossmatch
 - ▷ *Very fast*
- Pedro Osuna: VOScript
 - ▷ Scriptable VOSpec
 - ▷ User demand for scriptability means people are using it for science
 - ▷ Multiple JVM-friendly scripting environments allowed — Rexx anyone?
- Omar Laurino: VO-DANCE
 - ▷ DAL publishing toolkit
- Vivekananda Moosani: PyMorph
 - ▷ Parametric fitting of galaxy morphology
 - ▷ (SExtractor, Galfit) + (SIA, VOspace) + more
- Keith Noddle: Distributed crossmatch
 - ▷ OGSA-DAI used to aggregate multiple TAPs → TAP