



Applications Working Group – Closing Remarks

Virtual IVOA Interoperability Meeting, November 2020
Tom Donaldson (chair), Raffaele D'Abrusco (vice-chair)

Very successful meeting for the Applications WG!

Thanks to everyone for participating, with special thanks to the presenters, moderators, and notetakers for their efforts.

See the Apps Sessions page <https://wiki.ivoa.net/twiki/bin/view/IVOA/InterOpNov2020Apps>:

- Slides
- Notes
- Audio and video recordings



Session Summaries – Active Standards Development

Pierre Fernique - MOC 2.0 Status and Discussion

- Status
 - Defines spatial and temporal coverages
 - Implementations: Aladin, mocpy
 - Existing tools to help to community implement the protocol
- Roadmap
 - Adapt the 2 implementations to recent document modifications
 - In Working Draft, aimed for a RFC before next Interop meeting
 - ▶ Please read soon and comment on apps@ivoa.net

Tom Donaldson - VOTable issue review and planning

- Wide range of existing issues on github <https://github.com/ivoa-std/VOTable>
- Progress on issues ==> VOTable 1.5
- Please comment, discuss, and fix



Session summaries – Implementations (1)

Trey Roby - Implementing Service Descriptors in Firefly

- Great feedback from DataLink implementation experience
 - Conversation continued in DAL session 3.
 - Follow dal@ivoa.net and <https://github.com/ivoa-std/DataLink> for developments.

Peter K. G. Williams - Interoperability Developments in AAS WorldWide Telescope

- HiPS is coming to the WWT web engine
 - WWT on GitHub: github.com/WorldWideTelescope
 - Documentation: docs.worldwidetelescope.org
 - Newsletter signup: bit.ly/wwt-signup
 - WWT forum: wwt-forum.org



Session summaries – Implementations (2)

Mark Taylor - Web SAMP + HTTPS update

- Web SAMP working again in Firefox, Chrome/Chromium and Edge
- Worth considering adding it (back) to your web application.

Markus Demleitner - pgSphere: MOCs and Maintenance

- MOCs now implemented in pgSphere
 - <https://github.com/credativ/pgsphere/>
- But pgSphere organization is dormant
 - Proposed Users' Group to maintain the project (handle PRs, etc.)
 - If interested, contact Markus



Session summaries – Joint Session Edu/Apps/DAL/DM

Priya Hasan - VO Education in Covid Times

- Organized an impressive array of virtual classes in a very short time
- Project URL: <https://shristiastro.com/astronomy-from-archival-data/>
- Youtube channel: <https://www.youtube.com/c/shristiastronomy>
- More details about our activities: <https://www.shristiastro.com>

Gregory Dubois-Felsmann - Discussion: Protocols for file-oriented catalog data

- Generated lively and supportive discussion
- Clearly recognized as important for many projects moving forward
- Asking TCG for guidance on how to expedite this work

Note: Sessions demonstrated the ongoing interdependence among all the WG/IGs.

- For this meeting: especially Time Domain, Data Access Layer and Data Model
- Be sure to follow those group as well for full participation



Many Ways to Participate

Join discussions

- E-mail: apps@ivoa.net (subscribe at <http://mail.ivoa.net/mailman/listinfo/apps>)
- Slack channel: [#applications](https://ivoa.slack.com)
- VOTable standard on github: <https://github.com/ivoa-std/VOTable>
- MOC 2.0 comments and discussion apps@ivoa.net
 - Working Draft: <https://www.ivoa.net/documents/MOC/20201112/WD-MOC-2.0-20201112.pdf>

Implement code that uses VO standards

- Present your work, and feedback on standards, here
- Community efforts like Astropy are great way to make VO standards more accessible
 - **PyVO**: <https://github.com/astropy/pyvo>
 - **Astropy** io.votable: <https://github.com/astropy/astropy>
 - Please contribute your expertise!!
 - ▶ Issue and PR discussions
 - ▶ New fixes and features