

Applications WG Closing Remarks

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Participation

Apps Apps Apps

- 3 sessions
- 15 presentations

One DM/DAL/Apps join session

Common theme: **collaboration**

Highlights Session 1

Web SAMP and Private Network Access (Mark Taylor)

- SAMP hub implementation changes to accommodate recent W3C security standards updates (JSAMP & Astropy)
- Migration from HTTP to HTTPS

CooSys using MIVOT (Laurent Michel)

- MANGO model and MIVOT annotations
- PyVO implementation example

MIVOT and MANGO in TOPCAT (Mark Taylor)

- Progress and implementation feedback

Highlights Session 1 (Cont)

Aladin Lite with SKA (Matthieu Baumann)

- Query SRCNet discovery service and use ObsCore and DataLink to access and visualise the results
- Problems encountered.

Fast STC-S queries using Boolean MOC (F-X Pineau)

- RUST implementation that uses B-MOCs and post filtering for geometrical complex operations

Spacial Search Using MOC (Regis Haigron and Pierre Le Sidaner)

- demo with *coverage* parameter (alongside *s_region*) that makes querying very fast

Highlights Session 1bis

When is 'Fair' F.A.I.R (Anne Raugh)

- Characterization of F.A.I.R.
- Role of DOI

Tools for Distributed Analysis of LSST-Scale Datasets (Mario Juric)

- Progress with a prototype format for efficient and queryable storage of large catalogs.
- LSDB Python framework

Representation of VOTable data as Parquet (Brigitta Sipőcz)

- Progress and implementation feedback

Highlights Session 2

ESA TAP+/Datalink Updates (Jose Osinde)

- Achievements + short and long term plans

Multiplicity and Recursiveness in VOTable (Marco Molinaro)

- different possible ways to implement multiplicity and recursiveness with resources and tables
- current client behaviour

Integration of ESASky in the ESA Science Archives (Rach Bhatawdekar)

- ESASky integrated with other other ESA Archives
- Plan to update to AladinLite3 for preview visualizations and other improvements

Highlights Session (Cont)

Jdaviz Visualization App (Duy Nguyen)

- great demo of visual tool that can be deployed in Jupiter notebooks
- welcome feedback (and contributions)

Euclid/Gaia VO Protocols (Sara Nieto)

- current status and challenges
- questions on evolution towards science platforms

PyVO Refresher (Brigitta Sipőcz)

- strong team of 5 administrators
- future plans and features
- downstream notebook testing

Complete Slides and Recordings

Thank you for all the presenters (local and remote) for very interesting content

Apps Presentations:

<https://wiki.ivoa.net/twiki/bin/view/IVOA/InterOpMay2024Apps>

Recordings for different sessions:

<https://wiki.ivoa.net/twiki/bin/view/IVOA/InterOpMay2024>

Hot Topics

- VOTable 1.5 RFC period ending June 6
- VOTable 1.6 (Parquet)?
- File formats for handling large catalog files
- MOC
- P3T prototype Apps support

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