



# Data Access Layer Working Group

## Closing

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# DAL 1 Session



## Joshua Fraustro - Python TAP implementation at MAST: Lessons Learned

- How do we make standards easier to implement for new data providers?
- Disagreements between standards – UWS – TAP – DALI
- Also echoed in OpS/Apps and GWS II discussion session

## Patrick Dowler - TAP-next: user-managed persistent tables

- User managed tables in TAP 1.2 – optional
- Metadata is important – need to guide users to providing good metadata

## Tamara Civera - ADQL vector functions implementation in the OAJ

- Arrays in ADQL – but slightly different to the proposal last year
- Enumerations in ADQL

## Grégory Mantelet - ADQL-next

- Backlog of issues now that ADQL 2.1 in RFC
- Priorities: PEG, INTERVAL support, MOC support, Array support, string functions, OFFSET



# ConeSearch Splinter



## Where to next for ConeSearch

- Postponed some current work to later version (e.g. 2.0)
  - Time search
  - Full DALI compatibility (e.g. capabilities)
- Restart v1.1 with minor amendments
  - RESPONSEFORMAT, MAXREC
  - Allow services to reject unknown parameters
  - Modernize required UCDs (UCD 1.0-> UCD 1+)





## Petr Skoda - Echelle spectra and the ways toward their VO interoperability

- Order is critical for echelle spectra
- Needs to be considered in SSA-> DAP transition

## Margarida Castro Neves - LineTAP implementation in SPLAT-VO

- SPLAT-VO – calling LineTAP services to display theoretical lines
- Would be useful to have curated LineTAP services for specific object types

## Patrick Dowler – DALI

- Lot of new xtypes
- PR is close ~weeks

## François Bonnarel - SIA2/DAP + SODA

- SIA2-> DAP to support all data product types
- SODA to return extended metadata e.g. WCS
- Support for new transformation types

## Grégory Mantelet - Simbad's Cone Search implementation

- Faster, multiple outputs
- Sort by most references
- Includes conesearch v1.1 changes



# Other Sessions



## All

- “we should update this in DALI”
  - Data origin (Gilles)
  - CORS support (Thomas)

## Science Platforms

- DAL standards underpinning many of these to allow working close to data
- NAVO adding cloud functions on top of datalink
- SKA SRC – Expanding SODA to provide more user requested functions

## GWS

- How to evolve standards to modern web practices
- Open API for web service standards? Machine readable – allows code generation



# Next Steps



## Two standards in RFC

- ADQL 2.1 (15 years in the making)
- Datalink 1.1

## Soon to come:

- DALI 1.2 PR

## Experiments

- OpenAPI for TAP 1.2 changes

## Get Involved

- Raise issues on GitHub
- Contribute fixes on GitHub



# Follow & Connect to DAL



## Connect to DAL

- mailing list: <http://mail.ivoa.net/mailman/listinfo/dal> → subscribe! [dal@ivoa.net](mailto:dal@ivoa.net)
- wiki: <https://wiki.ivoa.net/twiki/bin/view/IVOA/IvoaDAL>
- github: <https://github.com/ivoa-std/{DOCNAME}>
- slack: [#dal channel](https://join.slack.com/t/ivoa/shared_invite/zt-r22e0ir4-KMOQXzAMmKzcUXWOjrJSZQ)
- running meetings: [https://wiki.ivoa.net/twiki/bin/view/IVOA/IvoaDAL\\_RunningMeetings](https://wiki.ivoa.net/twiki/bin/view/IVOA/IvoaDAL_RunningMeetings)

## Contact the DAL coordination:

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*Thanks!*

