



Australia's National Science Agency

Data Access Layer WG – Closing

IVOA Northern Spring 2024 Interoperability Meeting

James Dempsey & Grégory Mantelet | 24 May 2024





DAL 1

- François Bonnarel - ProvTAP
 - Restart after 2 years using MIVOT
 - First working draft post interoper
- Pat Dowler - TAP Next
 - User defined tables – current usage is very large catalogs
 - Protocol enhancement following P3T work
- Grégory Mantelet - Status of ADQL's PEG grammar
 - Machine readable representation of ADQL
 - Described in Ford PEG grammar but have converters
 - Tested generation of parsers



DAL 1 continued

- STC-S – or how to represent shapes
 - Serialization of regions/shapes is being defined in DALI
 - We should use the DALI serialization in all DAL standards (e.g. ADQL, TAP) + Obscore
 - Polygons
 - Effort to fix and complete the definition of a polygon in DALI
 - Multi polygons are in WD and can be discussed there
 - Limited need for intersection
 - MOCs will be a better approach for more complex use cases
 - Multiple intervals, and circles are/could be defined



DAP and SODA Splinter

- SIA2/DAP
 - Discussion on 1-shot cutout
 - FORMAT parameter
- SODA
 - MOC parameter to be removed
 - PIXEL cutout format
 - How to support a wider range of functions



Protocol Transition Tiger Team (P3T)

- Improve compatibility of standards with modern web development tools
- Use machine readable Open API specifications to define much of a standard
- Phase 1 - Pilot project - deliver TAP, UWS WDs
- Report back in Malta in Nov



P3T Team Members

- Adrian Damian
- Brian Major
- Dave Morris
- Gregory Dubois-Felsmann
- Grégory Mantelet
- James Dempsey
- Janet Evans
- Jesus Salgado
- Joshua Fraustro
- Kim Gillies
- Marco Molinaro
- Pat Dowler
- Paul Harrison
- Rick Ebert
- Russ Allbery
- Sara Bertocco
- Theresa Dower
- Tom Donaldson

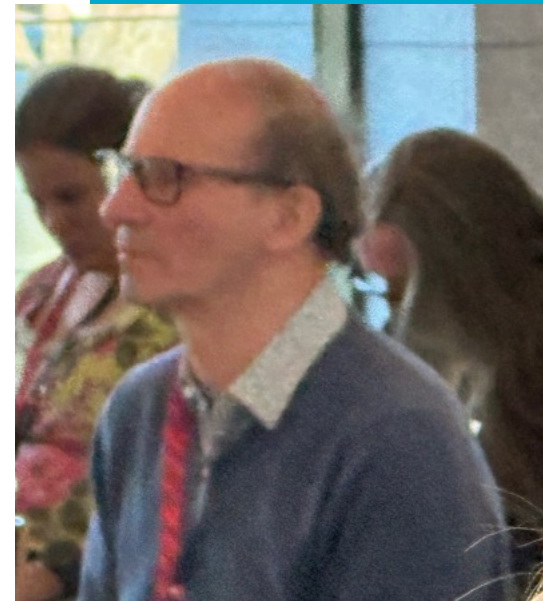
Other Highlights

- Joint DM/DAL/Apps Session
 - Start of discussion on how to manage base models for DAL protocols
- DM 2
 - "MANGO, a Model for Annotating Generic Objects" by Laurent Michel
 - "A data model that is intended for use in conjunction with MIVOT to annotate DAL query responses"
- Apps 2
 - "ESA TAP+/Datalink Updates" by Jose Osinde
 - Have upgraded to ADQL-2.1, DALI-1.1
 - Improve implementation of ObsCore (ObsTAP)
 - Adapt implementation so that being able to use OpenAPI
 - ADQL with MOC ; HEALPix functions from the EN - UDF Catalogue



François Bonnarel Retirement

- Stalwart of the DAL landscape for many years
- Editor for 7 standards!
- SIA2 and SODA in particular
- Thank-you!





Farewell

- End of my term as chair
- Thanks to Marco and Grégory in particular
- Excellent chair and co-chair to follow