



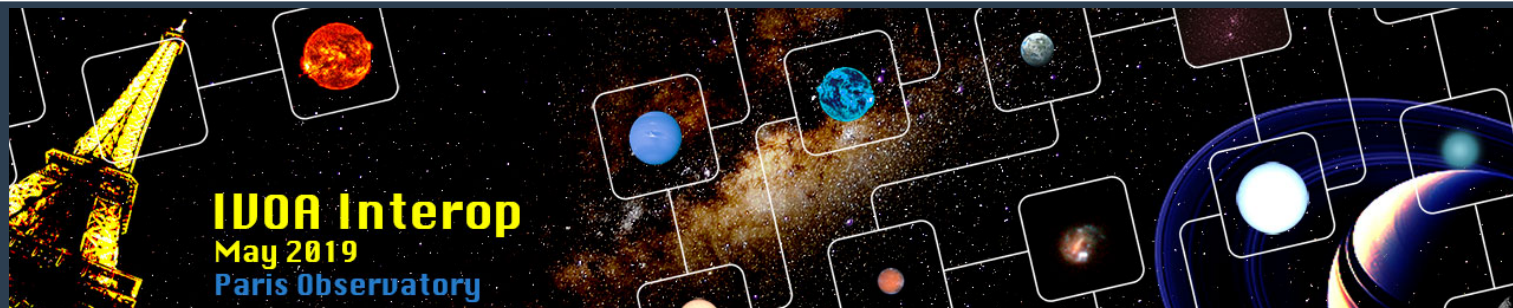
Data Access Layer

Working Group

Opening Plenary

Marco Molinaro & James Dempsey

12 May 2019



- DAL WG is the place where the standards for (remotely) getting astrophysical data are discussed and defined
 - Data providers implement these standards (protocols).
 - The resulting data services are made visible through resource registration [**Registry WG**]
 - Client data analysis software [**Apps WG**] will use these services to let researchers get to the information relevant for their research
 - Network technical interfacing and servicing solutions (like user spaces and authentication, authorization) are taken from **GWS WG**
 - All of the above makes use of the **Semantics and Data Model WG** standardization efforts to provide interoperability above the technical/syntactical level
 - Everything starts from requirements gathered from the community, expressed through **IG-s, committees** or at WG-s level directly

Current activities



- **SODA-1.0 Erratum 1: approved! (yesterday)**
 - UCD update for ID parameter: meta.id;meta.dataset
- **Documents released since College Park**
 - TAP-1.1 (PR, see later)
 - SLAP-2.0 (WD)
 - ObsLocTAP-0.4 (WD) & ObjVisSAP-0.5 (WD)
 - ProvTAP (internal WD, available through TWiki)
- **Developments in progress**
 - DataLink-1.1 revision within editor/authors
 - DALI-1.2 (ADQL geometry support)
 - PEG grammar for ADQL-2.2+

Table Access Protocol – version 1.1



- **PR-TAP-1.1-20190420 has been released**
 - Authentication-aware capabilities dominate discussion
 - Multiple security methods...
 - ... in one Interface
 - otherwise agreed and ready for REC
- **Issue**
 - Further reference implementations of authenticated endpoints are requested

TAP-fostered Authentication in the Client-Server scenario

Speaker	Title
Brian Major	Context & History
Pat Dowler	TAP 1.1 (wide interest)
Mark Taylor	TOPCAT support to authentication in TAP-1.1
Markus Demleitner	Registry perspective

DAL/GWS/Apps/Registry
Wednesday 15 14:00-15:30
“Le Verrier”

Standards: revision & updates

Speaker	Title
Richard Saxton	ObsLocTAP and ObjVisSAP status update
Menelaos Perdikeas	SAO/CfA implementation of ObjVisSAP and ObsLocTAP
François Bonnarel	SIAP & SODA Next
Kenny Lo	Implementing SODA Image Cutout Service for LSST in Python
Pat Dowler	DALI-1.1

- **SLAP-2.0** (see SSLDM-2.0) & ProvTAP will be reported in the DM sessions
- **DataLink-1.1** revision will be discussed in a splinter session

DAL session 1
Wednesday 15 11:00-12:30
“Le Verrier”

DAL feedback & ADQL

Speaker	Title
Marco Molinaro	IA2 VO service/resource rebuild overview
Bruce Berriman	A TAP Server at NExSci : A Progress Report
Grégory Mantelet	Evolutions of TAP-Lib & Co
Jon Juaristi Campillo	Proposal for a machine-verifiable version of the ADQL grammar: a case for PEG
Dave Morris	ADQL v2.1 update

DAL session 2
Thursday 15 11:00-12:30
“Le Verrier”

Thank you for your attention!



Looking forward to seeing you in the DAL audience!

DAL collaborative pages

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

DAL mailing list

- dal@ivoa.net
- <http://mail.ivoa.net/mailman/listinfo/dal>

