

Talks related to ASTERICS WP4 Data Access, Discovery and Interoperability presented at the IVOA Interoperability meeting held in Victoria (Canada), 28 May – 1 June 2018

Opening and closing Plenaries

P. Fabbiano (CfA)	State of the IVOA (mentions ASTERICS activities)
B. Merin (ESA)	Science priorities for the VO

Application Working Group

A. Micol (ESO)	The new ESO Archive Science Portal and VO Interfaces
Wang Jie, L. Michel (Strasbourg Observatory), T. Boch (CDS)	ALiX : An advanced search interface for Aladin Lite
T. Boch (CDS)	Feedback on generating very large HiPS for PanSTARRS and HiPS from Gaia DR2 catalogue
A. Schaaff, T. Boch, S. Derriere, A. Guyot (CDS)	Chatting with the services. VO standards and Natural Language Processing
M. Taylor (Bristol University)	DataLink and Activation in TOPCAT
D. Durand (CADC), P. Fernique, T. Boch (CDS), A. Micol (ESO)	HiPS Progenitors - Small HiPS Variation to trace provenance
M. Demleitner (UHEI)	Compare identifiers in the VO

Data Access Layer Working Group

New protocols and new protocol versions/TAP implementations

M. Demleitner (UHEI)	ADQL 2.1 implementation and critique
N. Moreau (Paris Observatory)	SLAP evolution
F. Bonnarel, M. Louys (CDS), M. Sanguillon (LUPM)	ProvTAP (and PROVDAL) status report
J. Salgado et al (ESA)	Visibility Service and Observation Locator: Planning future observations
M. Molinaro, S. Zorba (INAF)	TASMAN (TApSchemaMANager)

DAL feedback and other DAL service implementations

A. Micol (ESO)	Interoperable Polygons
F. Bonnarel (CDS)	DataLink, SIAv2, SODA feedback
M. Taylor (University Bristol)	Data Link implementation feedback
C. Rodrigo Blanco, E. Solano (INTA)	DataLink – Feedback from implementation for stellar libraries
M. Servillat, C. Boisson (LUTH)	Data Access in the context of the CTA Observatory

Data Model Working Group

F. Bonnarel (CDS)	VO-DML, vodataservice tablesets description for VOTables and utypes
M. Servillat (LUTH) & Provenance Team	Provenance
Kay Polsterer (HITS)	Annotation of explorative data analysis results

Grid and Web Services Working Group

Storage and A&A

G. Taffoni, M. Molinaro, S. Bertocco (INAF)	VOspace and storage at OATS/INAF
S. Bertocco, G. Taffoni, M. Molinaro, F. Pasian (INAF)	Standard authorization based on groups and group membership
C.-M. Zwölf (Paris Observatory)	Authentication and Authorization in the Research Data Alliance
C.-M. Zwölf (Paris Observatory)	Transparent Authentication on TAP, UWS at Paris Observatory/VAMDC

Science Platforms

A. Schaaff, T. Boch, P. Fernique (CDS)	Feedback about last experiments: HiPS and AWS, X-Match & Spark
--	--

Registry Working Group

Towards VODataService 2.0

M. Demleitner (UHEI)	STC in the Registry
M. Demleitner (UHEI)	VODataService 1.2: From VOSI to DataCollection

Registry operations

C. Vrioni, C. Arviset, J. Gonzales (ESA)	Euro-VO Registry ecosystem weather report
M. Demleitner (UHEI)	RegTAP 1.1 implementation feedback from GAVO
M. Demleitner (UHEI)	DOIs for registry records: voidoi

Semantics Working Group

M. Louys (CDS)	Vocabularies in the VO
M. Louys (CDS), B. Cecconi (Paris Observatory)	Solar and Planetary requirements for UCD tags/ status
A. Schaaff, T. Boch, S. Derriere, A. Guyot (CDS)	Querying in Natural Language on the semantics side
B. Cecconi (Paris Observatory)	Observatories, Instruments/Facilities – an update
C.-M. Zwölf (Paris Observatory)	Modeling data with semantics: from Astronomy to Ethnography
S. Derriere (CDS)	Using the UAT Thesaurus to annotate catalog description in the Vizier archive

Data Curation and Preservation Interest Group

F. Genova (CDS)	Information about the current RDA Working Groups and Interest groups and the Recommendations and outputs
A. Schaaff (CDS)	Report on RDA Berlin Plenary
C.-M. Zwölf, N. Moreau, Y.A. Ba (Paris Observatory)	Implementation of Dynamic Data Citation in VAMDC
C.-M. Zwölf (Paris Observatory)	Activities in RDA

Education Interest Group & Media Group

G. Iafrate (INAF)	Citizen science experiments in the classroom, in the framework of the Asterics project
D. Baines (ESA)	Teaching astronomy with ESASky

Knowledge Discovery in Databases

K. Polsterer (HITS)	Machine-Learning based, explorative web services
G. Taffoni, S. Bertocco (INAF)	HPDA: a storage view on deep learning, Data analytics etc.

Operations Interest Group

R. Savalle, P. Le Sidaner (Paris Observatory)	VO-Paris VO Weather Report
C. Arviset, C. Vrioni, J. Gonzalez (ESA)	Euro-VO Resouces Validation status
M. Taylor (Bristol University)	A DataLink validator
T. McGlynn (HEASARC), M. Taylor (Bristol University)	Revue of status of validators
B. Merin (ESA)	ESASky Updates and Operations
J. Salgado (ESA), T. Boch (CDS), G. Mantelet (UHEI)	GAIA Archive for DR2

Solar System Interest Group

S. Erard (Paris Observatory) et al.	VESPA: Recent progress & Shopping List
P. Fernique (CDS)	Planetary data in Aladin
J. Normand, J. Berthier (Paris Observatory)	Identification of Solar System objects
B. Cecconi (Paris Observatory) et al.	Low Frequency Radio Astronomy and the VO
B. Merin (ESA), S. Derriere, J.J. Kavellars (CADC)	Lessons learnt on assessing/implementing EPN/TAP ESA CDS
P. Le Sidaner, B. Cecconi, S. Erard, C. Chauvin (Paris Observatory)	Datalink in VESPA

L. Lamy, B. Cecconi (Paris Observatory) et al.	Enhancing APIS interface using TAP
--	--

Time Domain Interest group

Alerts

M. Gangloff, N. André, V. Génot (IRAP), B. Cecconi, P. Le Sidaner (Paris Observatory), M. Bouchemit, E. Budnik (IRAP)	VOEvent in the PSWS space weather alert architecture
B. Cecconi, P. Le Sidaner (Paris Observatory), C. Piker, J. Faden (Univ. Iowa)	Da2 server + Autoplot Client – Adaptive resolution access for Time Series

Joint session TDIG/Apps/DM/DAL

M. Louys, F. Bonnarel (CDS), L. Michel (Strasbourg Observatory), A. Nebot (CDS), M. Cresitello Dittmar (CfA), T. Boch, S. Derriere, G. Landais (CDS)	Building a Time Series Data Model
L. Michel (Strasbourg Observatory)	Time Domain Serialization: a lighter VODML approach
F. Bonnarel (CDS)	Time Series Data Serialization: full-utype approach
F. Bonnarel (CDS), M. Molinaro (INAF)	Time Series discovery and Access consequences
P. Fernique (CDS), D. Durand (CADAC), T. Boch, A. Nebot, F.-X. Pineau (CDS)	Temporal exploration in Aladin: Time Series and T-MOC
T. Boch, M. Baumann, P. Fernique (CDS)	Python library for T-MOC
M. Demleitner (UHEI)	Gaia DR2 time series at the GAVO data center
S. Derriere, G. Landais, A. Nebot (CDS), L. Michel (Strasbourg Observatory), F. Bonnarel, M. Louys, T. Boch (CDS)	Epoch description in VizieR catalogues