

Talks related to ASTERICS WP4 Data Access, Discovery and Interoperability presented at the IVOA Interoperability meeting held in College Park, Maryland (USA) 8-10 November 2018

Opening and closing Plenaries

M. Allen (CDS)	State of the IVOA (Mark Allen is the current Chair of the IVOA Executive Board. ASTERICS DADI activities are presented, including the ASTERICS DADI representation at the IAU General Assembly and the VO training events)
M. Allen (CDS)	Closing Remarks

Applications Working Group

T. Boch (CDS)	On-the-fly generation of JPEG HiPS tiles
M. Baumann, T. Boch (CDS)	New Python and Javascript developments at CDS to query the MOCServer for quickly retrieving data collections of interest
M. Servillat (CNRS/LUTH)	OPUS: a provenance enhanced job controller - A reference implementation for the Provenance DM
L. Michel (Strasbourg Observatory)	Reading VODML annotations with model-independent Java code

Data Access Layer Working Group

Chaitra, T. Boch (CDS), L. Michel (Strasbourg Observatory), P. Fernique, F. Bonnarel (CDS)	HiPStoFITS prototype
J. Salgado (ESA)	Observatory services: Object Visibility and Observation locator protocols status
D. Morris (UEDIN)	ADQL Status Report: ADQL 2.1 Astronomy Data Query Language
J. Salgado (ESA)	GAIA TAP (TAP+ protocol)
M. Taylor (University Bristol)	TAP-1.1 authentication in TOPCAT/STILTS
N. Moreau (Paris Observatory)	SLAP-2.0 status report
M. Sanguillon (LUPM, Montpellier), K. Riebe (AIP, Potsdam)	ProvSAP prototypes
F. Bonnarel (CDS)	Towards DataLink 1.1

Data Model Working Group

F. Bonnarel (CDS)	Matching STC-2.0 transform model with various 2D polynomial image distortions
N. Moreau (Paris Observatory)	Simple Spectral Lines Data Model update
M. Servillat (CNRS/LUTH)	Provenance Data Model RFC status
M. Louys (CDS)	Triplestore implementation of the IVOA provenance data model
O. Streicher (AIP, Potsdam)	Provenance: An alternative point of view

Grid and Web Service Working Group

B. Major, P. Dowler (CADAC), G. Taffoni (INAF), A. Damian, S. Bertocco, M. Molinaro (INAF)	Group Membership Service Working Draft
S. Nieto (ESA)	Large Euclid data set analysis with Apache Spark

Semantics Working Group

F. Le Petit (Paris Observatory)	Publishing the SKOS vocabulary from Theory IG and linked services
M. Louys (CDS)	The IVOA Vocabulary web page (link to prototype page)
M. Louys (CDS)	Telescope and Instrument nomenclature: Documentalist Use cases for data ingestion

Registry / Applications joint WG session

P. Fernique (CDS)	MOC standard 1.1 extension / ASCII MOCs
H. Heintl for M. Demleitner (UHEI)	Progress towards a VODataService 1.2 WD
H. Heintl, S. Becker (UHEI)	Recent features implemented in PyVO

Data Curation and Preservation Interest Group

A. Schaaff (CDS), T. Jenness (LSST)	Data Curation and Preservation – welcome and introduction
G. Landais (CDS)	DOIs in Vizier
A. Schaaff (CDS)	DOIs in RDA

Operations Interest Group

P. Le Sidaner, R. Savalle (Paris Observatory)	VO-Paris VO Weather Report
C. Arviset (ESA)	Euro-VO Weather Report
T. McGlynn (HEASARC), M. Taylor (University Bristol)	Review of status of validators (wiki page)
A. Schaaff (CDS)	Implementing VO services in the commercial cloud
H. Heintl (UEDIN)	HTTPS in VO Services

Solar System Interest Group

S. Erard, B. Cecconi (Paris Observatory)	VESPA Status Update
B. Cecconi (Paris Observatory)	Bridging VESPA and NASA/PDS
C. Chauvin, P. Le Sidaner (Paris Observatory)	Discussion on client feature for EPN-TAP

Time Domain Interest Group

M. Louys (CDS)	Summary of Strasbourg Face-to-Face meeting on Time Series data Model
L. Michel (Strasbourg Observatory)	Time Series Serializations: Annotating GAIA Time Series with VO-DML
F. Bonnarel (CDS)	Time Series utypes
A. Nebot (CDS)	A proposal for a TIMESYS element in VOTable