

Applications Working Group

Closing Session

Pierre Fernique - Chair
Tom Donaldson – Vice Chair

IVOA Interop, Northern Spring 2016, Cape Town

Core Themes

- VO used more and more for real science
- “Big Data”
 - Code/User to data
 - More dependence on shared infrastructure
 - Joint session w/GWS on SSO
 - Probably good idea to continue joint sessions with GWS
 - Data to Code/User
 - Bring useful subsets of the data to the user
 - Real uses of TAP in variety of situations
 - Data summaries, visualization
 - Indexing data for speedy discovery and subset selection
 - e.g., HiPS and MOC

Standards

- HIPS
 - 300+ surveys served by 12+ nodes
 - Heavy daily usage
 - Working draft of standards in progress
 - Ready for Trieste
 - Aladin Lite improvements in display accuracy
- SAMP
 - Possible updates needed to support https
- VO Table
 - Version 1.4 needed to support VODML object serialization
 - Proposals and discussion to be informed by VODML prototypes

Presentations (1)

- Thomas Boch - The new CDS portal, built on top of HiPS and MOC
 - Client for Discovery, Preview and Access of CDS resources
 - Public release this (northern) summer
- Michel Gangloff - IVOA Standards in IRAP tools (3DView, AMDA, CASSIS) in the framework of H2020/VESPA
 - TAP, SSAP and SAMP being used for planetary sciences
- Gilles Landais - Spectra & images in Vizier
 - Indexing and serving information about associated data
 - Client and server features and tools for utilizing VO techniques
- Baptiste Cecconi - Using IVOA tools to support the JUNO space mission
 - Versatility of TAP and SAMP shown in VESPA
- Petr Skoda - Overview of new features in SPLAT-VO
 - Unparalleled use of SAMP integrating applications to do real science
- Pierre Lesidaner - VOTable discussion: header schema indicator for validation
 - Discussion on specification of schema, and it's use in validation
 - Schema not commonly used dynamically during parsing process.

Presentations (2)

- Khadija EL Bouchefry - The use of Virtual Observatory tools: A Critical Review
 - Highlighted challenges for data providers in providing a reliable and predictable user experience
- Masatoshi Ohishi – ALMAWebQL
 - A great example of bringing useful subsets of data to the user
- Susana Sanchez Exposito - GUIpsy: a VO compliant tool for the kinematic analysis of datacubes
 - IVOA standards used in tying existing analysis package with new UI
 - SIA2 for cube data
- Daniel Durand, Thomas Boch - HiPS news: standardization process & Aladin Lite improvements
- Bruno Merin - ESAsky
 - Seamless and powerful interface for exploring a variety of VO data
 - Heavy use of TAP, HiPS and MOC