

Applications Working Group Closing remarks

Chair: Pierre Fernique
Vice-chair: Tom Donaldson

IVOA Interop meeting - Sesto - June 2015



4 Application sessions

Apps I -Monday 14:00–15:30 - Großer Saal

Speaker	Title	Duration	Materials
Jiri Nadvornik	Photometric Surveys: Catalog generation with HEALPix and VO	15' + 3'	pdf
Thomas Boch	MOCPy , a Python library to parse and manipulate MOC	15' + 3'	pdf
Ivan Zolotukhin	Advanced web application for X-ray research with the XMM-Newton	15' + 3'	pdf
Nicolas Moreau	The new VAMDC portal for atomic and molecular data : simplified search interface and asynchronous requests using PDL	15' + 3'	pdf
Santosh Jagade	AstroStat - Statistical Analysis for Virtual Observatory, and PyMorph	15' + 3'	pdf

Apps II - Wednesday 11:00–12:30 - Großer Saal

Speaker	Title	Duration	Materials
Laurent Michel	Taphandle status & prospec	15' + 3'	pdf
Anaïs Oberto	SIMBAD TAP service is evolving to simplify the usage for all users.	15' + 3'	pdf
Mark Taylor	TOPCAT TAP client improvements	15' + 3'	pdf
Gregory Mantelet	New release of the CDS/ARI libraries	15' + 3'	pdf
Baptiste Cecconi	RadioJOVE : Citizen science in scientific research using the VO	15' + 3'	pdf



Apps III- Wednesday 14:50– 15:30 - Großer Saal

Speaker	Title	Duration	Materials
Ivan Zolotukhin	VO-powered publication in Science magazine: discovery of the runaway mini-galaxies	12' + 3'	pdf
Omar Laurino	The new Iris release	12' + 3'	html md
Laurent Michel, Andre Schaaff	ArchesWalker	12' + 3'	Screenshot of the mobile application - Slides

Apps IV - Thursday 9:00–10:30 - Großer Saal

Speaker	Title	Duration	Materials
Carlos Rodrigo	VOSA, VO SED Analyzer: new features and new architecture	15' + 3'	pdf
Petr Skoda	Distributed data mining of spectra archives using VO standards	15' + 3'	pdf
Yaye Awa Ba	Spectcol improved with VO-Table and SAMP support	15' + 3'	pdf
David Languignon	Software architectures for modern data in the VO	15' + 3'	pdf
Sara Nieto	ESAC VOSpace implementation	15' + 3'	



We've seen...

- Images, Catalogs, Spectra, Atomic DB... (but no 3D data, nor time series)
- VO protocols & standards
- VO to publication



Sesto fore-front standards

- **MOC :**

- New librairies : MOCpy (& pyMOC)
- New server : MocServer
- Now published in VO registry via Urls (at least for Vizier catalogs)
- Roadmap for usage in VO registry

- **TAP :**

- Tool releases : TAPHandle, Simbad, TOPcat suite
- Librairie release : ARI/CDS
- Feedbacks : TAP works, but... (it is no Simple, still marginal usage at this stage)



VODML/VOTable mapping

- Splinter session on Wednesday :
 - Reviewed: purpose, project status, some concrete syntax examples
 - Renewed call for feedback on current draft of mapping document
- Brief DM session on Thursday :
 - Established roadmap (list of tasks) for further progress



HiPS

- Splinter session on Wednesday :
 - Status report: 200+ HiPS, 6 producers, 4 clients
 - Reviewed : demo, new developements, mirroring, registry
- Open question : HiPS and VO
 - HiPS in the registry → Yes
 - Maybe an HiPS IVOA note...



App WG Roadmap

- Evolution of the standards
 - VOTable 1.4 => awaiting VODML serialization decision before starting a new cycle => call to read and comment the VODML mapping document
- JSAMP
 - Support for https → try and see if a few standard adjustments will be required
- HiPS
 - Study a new capability entry in the registry ?

