

Applications Working Group

Closing Remarks

Chair: Pierre Fernique

Vice-chair: Tom Donaldson

IVOA Interop Meeting – Sydney – October, 2015

Applications Sessions

Apps 1- Fri Oct 30 - 11:00-12:30 - Seminar Room

Speaker	Title	Duration	Materials
Kai Polsterer	Virtual Observatory Virtual Reality	12'+5'	
Andreas Wicenec	RASVAMT, the Radio Astronomy Survey Visualisation and Monitoring Tool	12'+5'	
Sebastien Derriere	HiPS for the ASTRODEEP portal	12'+5'	pdf
Bruno Merin	ESA sky: a new astronomy multi-mission interface	12'+5'	pdf
Pierre Fernique	HiPS - State of the art	12'	pdf
	=> HiPS discussion	10'	

Apps 2 - Sat Oct 31 - 16:00-17:30 - Seminar Room

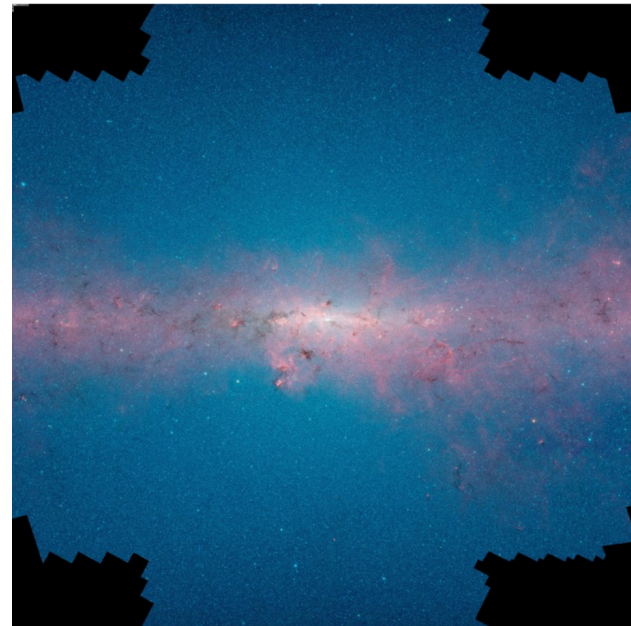
Speaker	Title	Duration	Materials
Petr Skoda	Exploring the handling of light curves in VO tools	15'+5'	pdf
Mickael Boiziot	VO technologies in CASSIS	15'+5'	
Regis Haigron	Connecting GIRAFFE archive to VO tools	15'+5'	
Mark Taylor	Web SAMP over HTTPS: Impossible?	12'	pdf

New Uses of VO in Apps

- Extending VO into mobile and Virtual Reality
- Spectrum analysis in CASSIS
- GIRAFFE archive's multi-object IFU observations
- Linking multiple apps for Time Series analysis
 - Standalone time series apps not here yet.

Increasing Use of HIPS

- Many exciting demos
 - Multi-waveband data discovery (ESA Sky)
 - Monitoring survey operations (RASVAMT)
 - Creating large (beautiful) pictures (ASTRODEEP)
- Many new surveys



Increasing Use of HiPS (2)

- Consensus to "promote" HiPS note as a Working Draft towards a future IVOA recommendation
- Some potential small impacts on other standards have been already noted:
 - Registry => need to adapt capabilities for HiPS node registration (server) and individual HiPS (surveys)
 - DAL => study required about the impact for possibly adapting HiPS progenitor index with Datalink
- Some issues to resolve and/or clarify
 - Distortion effects
 - Expected precision

WebSAMP vs. https

- Mark Taylor presented detailed analysis
- Https currently winning
- Experiments to continue (Mark, Tom, others?)



Roadmap to South Africa

- HiPS working draft
 - Pierre, Tom, et al.
- VODML in VOTABLE
 - DM Group
 - Polish primary document
 - Update mapping document
 - Tom and others
 - Prototype provider and consumer implementations