



# Applications Working Group

## Opening Session

### IVOA Interop, Groningen, October 2019

Chair: Tom Donaldson

Vice Chair: Raffaele D'Abrusco



## Applications Working Group Overview

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- Focused primarily on the software that Astronomers use to access VO data
- Communication
  - Mail list: [apps@ivoa.net](mailto:apps@ivoa.net)
    - Subscribe at <http://mail.ivoa.net/mailman/listinfo/apps>
  - Slack channel: [#applications](https://ivoa.slack.com)
  - Github...
    - Please attend 9AM session Sunday for process/tool discussion and hands-on examples



## Documents We're Responsible For

(From <http://www.ivoa.net/documents/index.html> ):

### Technical Specifications

Group	Title	Most stable	In progress	Version history
App	SAMP - Simple Application Messaging Protocol	1.3		1.3 1.3 1.3 1.3 1.3 1.2 1.2 1.2 1.11 1.11 1.10 1.00
	VOTable - VOTable Format Definition	1.3	RFC	1.4 1.4 1.4 1.4 1.4 1.3 1.3 1.3 1.2 1.2 1.2 1.20 1.20 1.10 1.00
	MOC - HEALPix Multi-Order Coverage Map	1.0	RFC	1.1 1.1 1.1 1.1 1.0 1.0 1.0 1.0 1.0
	HiPS - Hierarchical Progressive Survey	1.0		1.0 1.0 1.0 1.0 1.0 1.0

\*\* Thanks to everyone for their reviews, comments, etc.!

- Special thanks to Markus Demleitner, Mark Taylor and Pierre Fernique for doing most of the work!!
  - Content, implementations, validators



## Apps Program – Apps and DAL

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### Apps & DAL joint session

Data Access Implementations			
Friday October 11, 15:30-17:00, DOT			
Speaker	Title	Time	Material
William W. (Trey) Roby	TAP and Datalink features in Firefly	20'	<a href="#">pdf</a> / <a href="#">key</a>
Simon O'Toole	The Data Central Cone Search Service, powered by pyVO and SCS	15'	
Tamara Civera & Javier Hernández	VO implementation at Observatorio Astrofísico de Javalambre	15'	
François Bonnarel	ProvTAP & ProvHiPS	20'	
Ole Streicher	<a href="#">ProvSAP</a> and <a href="#">W3C</a> compatibility	15'	
	discussion buffer	5'	



## Apps Program - 1

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Apps 1			
Saturday, October 12, 11:00--12:30, DOT			
Speaker	Title	Materials	Time
Jean-Michel Glorian	CASSIS, functionalities and evolution plan		15
Mattias Wångblad	pyESASky - bidirectional communication in Jupyter Lab		10
Fabrizio Giordano	Embedding and controlling ESASky in your app with an iframe + TAP interoperability		10
Sweta Singh	Building and Using <a href="#">HiPS</a> in Distributed Data Storage		15
Rees Williams	Visualising Virtual Observatory Data in Digital Planetaria: the theory and the practice		30



## Apps Program - 2

Apps 2			
Saturday, October 12, 15:30--17:00, DOT			
Speaker	Title	Materials	Time
Mark Taylor	Discussion on Web SAMP and HTTPS		15
Pierre Fernique	<a href="#">HiPS</a> : 2 years after the IVOA standard		15
Thomas Boch	<i>hips2fits</i> , CDS effort to create a service generating FITS cutouts from <a href="#">HiPS</a> tiles		12
Matthieu Baumann	Recent STMOC developments at CDS: support in MOCPy, STMOC for <a href="#">VizieR</a> tables		12
Pierre Fernique, Ada Nebot	ST-MOC Discussion		8
Tom Donaldson	Apps Standards Documents: Status, Plans and Process		15

Notes to speakers, please:

- Keep to allotted time (which includes question time)
- Upload your slides to the program page (see me for help)
- See me prior to session if you need to use your own computer



Thank You!