

# Application Working group

## Closing remarks

IVOA Interop Santiago Oct 2017

Chair: Pierre Fernique  
Vice-chair: Tom Donaldson



# 2 sessions

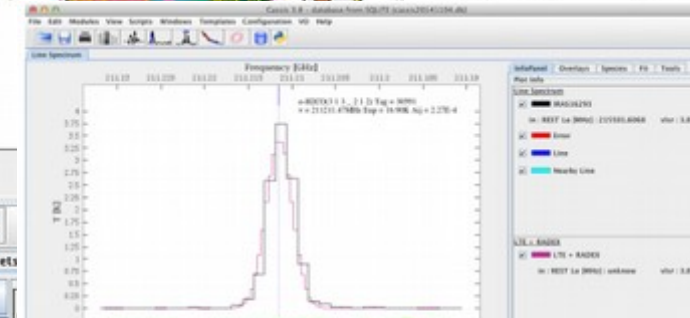
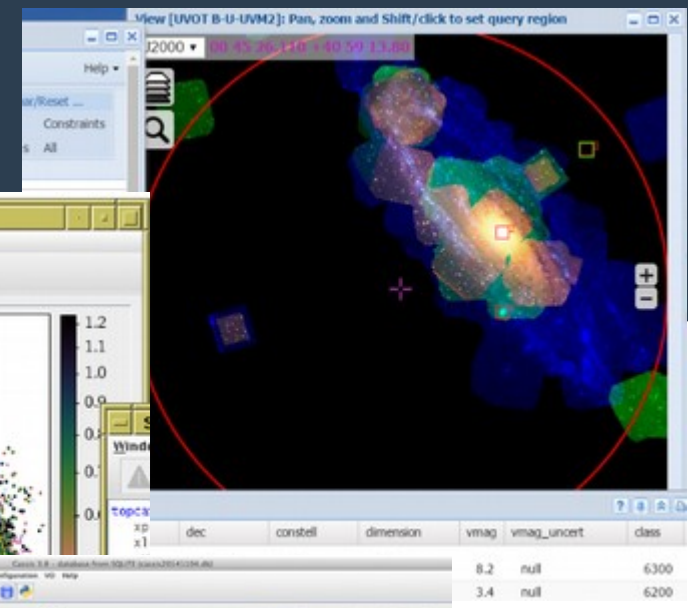
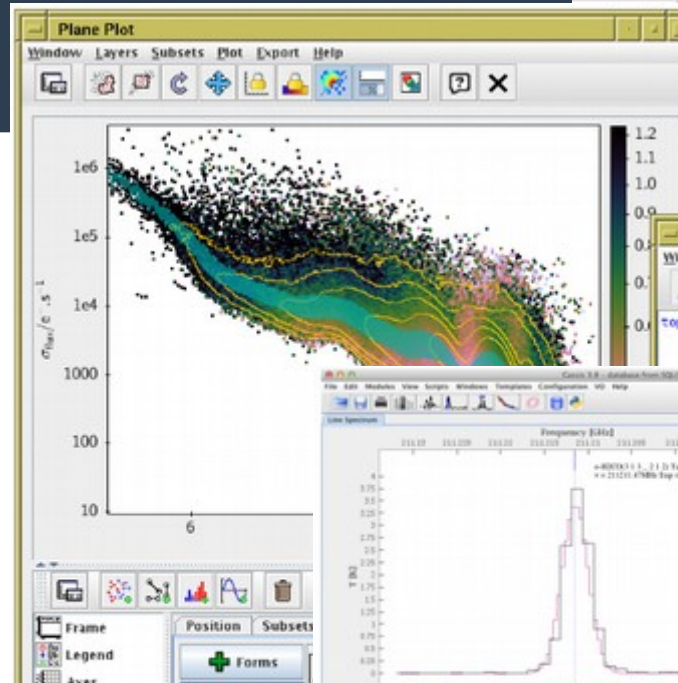
Speaker	Title	Duration
Alberto Micol	VO-protocol based access to the ESO Science Archive Facility (release 1)	16'+3'
Mathieu Servillat	Tracking provenance information with the OPUS job controller	16'+3'
Tom <a href="#">McGlynn</a>	Experiences Implementing <a href="#">HiPS</a> and MOC within the HEASARC	16'+3'
Thomas Boch	hipspy and ipyaladin, new tools for the <a href="#">HiPS</a> ecosystem.	16'+3'
Markus Demleitner	VOTable arraysize=1 discussion	14'

Speaker	Title	Duration
Mark Taylor	TOPCAT: Latest improvements	16'+3'
André Schaaff	3D-Visualization of large datasets in a Web browser ?	16'+3'
Bruno Merín	ESASky v2.0: spectroscopy, solar system objects and more	16'+3'
Jean-Michel Glorian	News of CASSIS	16'+3'
Pierre Fernique	Consolidate the <a href="#">HiPS</a> network	11'+3'



# Tools, tools, tools ...

- Aladin lite
- Aladin v10
- ESAsky 2
- TOPcat
- CASSIS
- ..



Aladin v10.0 interface showing available data and a table of results. The interface includes a menu bar (File, Edit, Modules, View, Scripts, Windows, Templates, Configuration, Help) and a toolbar with various icons. The main window displays a multi-color astronomical image with a red circle highlighting a specific region. The interface includes a sidebar with a tree view of available data, a search bar, and a table of results.

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# Standards of the year

## 1. HiPS:

HEASARC, ESO, Chinese OpenWWT initiative,  
ESAC, CDS, ...

2. Datalink : ESO, CADDC, GAVO, ...

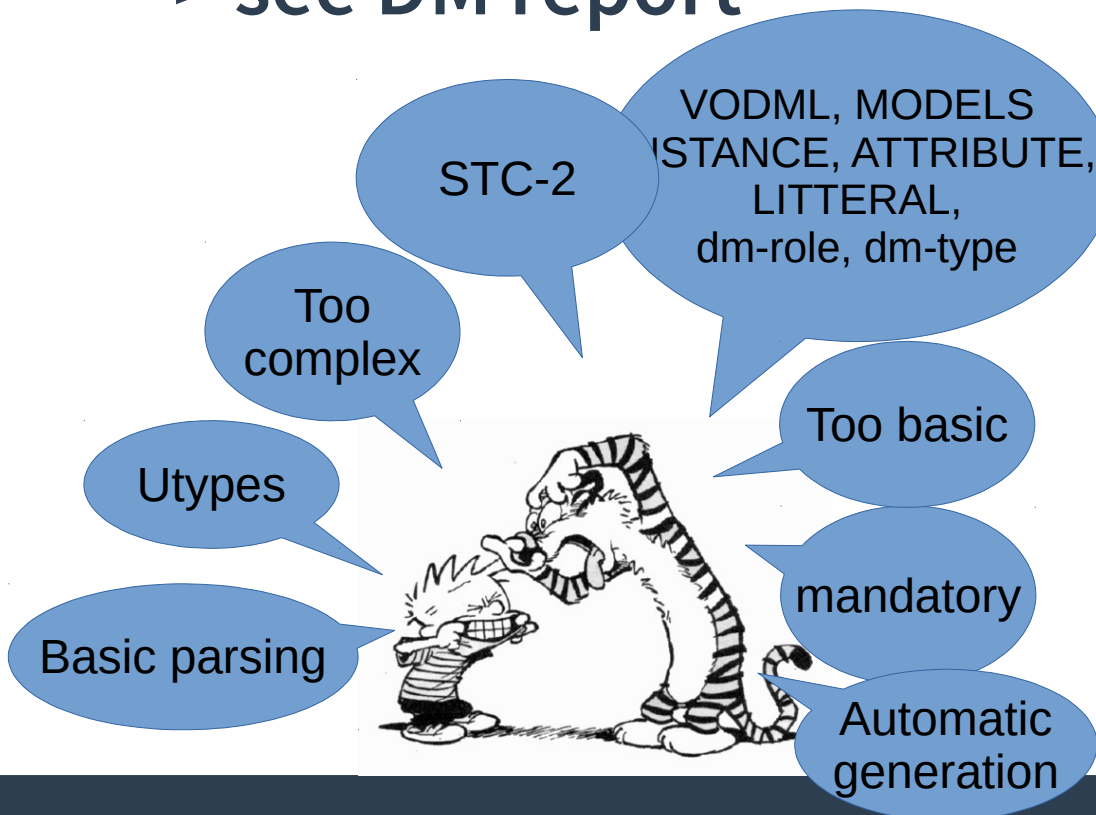
3. SIAv2 : CADDC, GAVO, IRAS, ...

and a challenger : Python (astropy, jupyter...)



# Open questions

- Define a mime type for HiPS (datalink context)
- VODML mapping in VOTable  
=> see DM report



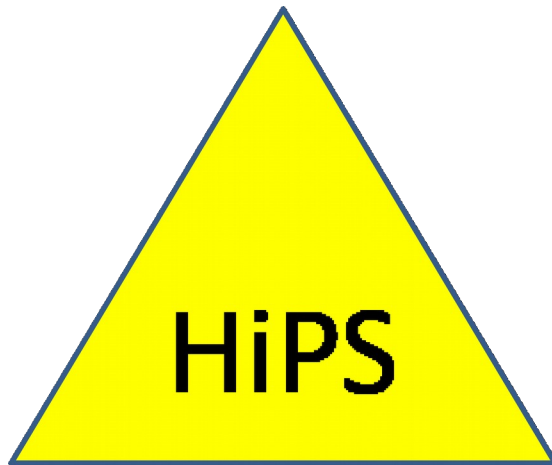
# Discussion: VOTable arraysize=1

- **Problem:**
  - A scalar or an array of one element ?
- **Actions:**
  - Remove systematical arraysize=1 from TAP lib for regular scalar
  - Extend VOTable validator for warning



# HiPS you can

- Already two US candidates



you can...

