# 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  | Duratio  | n 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         |
| lvan<br>Zolotukhin | Advanced web application for X-ray research with the XMM-Newton  | 15' + 3' | pdf         |
| Nicolas<br>Moreau  | The new VAMDC portal for atomic and molecular data : simplified search interface and asynchronous requests using PDL | 15' + 3' | pdf         |
| Santosh<br>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 Ceccon                                       | RadioJOVE: Citizen science in scientific research using the VO      | 15' + 3' | pdf       |

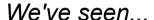


#### Apps III- Wednesday 14:50- 15:30 - Großer Saal

| Speaker                          | Title  | Duration | Materials                                     |
|----------------------------------|--|----------|---|
| lvan 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,<br>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' |           |



- 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 adjustements will be required
- HiPS
  - Study a new capability entry in the registry?

