Applications Working Group
Closing remarks

Chair: Pierre Fernique
Vice-chair: Tom Donaldson

IVOA Interop meeting - Banff - October 2014

Contributions

- 2 sessions : 11 contributions
  Thanks all speakers for the quality of their presentation

- Contents :

  - IVOA standards : SAMP, VOTable, MOC, TAP, ObsCore/TAP, VODML

  - Some private solutions : CDS/Xmatch API, HiPS, Cloud solutions

Applications session 1
Friday oct 10 / 11:00–12:30 (Summit)

- Mark Taylor - *Upload crossmatching from TOPCAT*

- Omar Laurino - *A Python implementation of VODML*

- Chenzhou Cui - *AstroCloud, a Whole Lifecycle Management Platform for Astronomical Data Based on Virtual Observatory and Cloud Computing*

- Matthieu Servillat - *VO diffusion for CTA*

- Gilles Landais - *Indexing VizieR associated data with ObsCore*

- François Bonnarel - *Aladin ObsTAP plugin*

Applications session 3
Sunday Oct 12 / 11:00–12:30 (Summit)

- Laurent Michel - *Querying by region: from the drawing to the SQL query*

- André Schaaff - *CMOC, a C library to handle MOCs*

- Régis Haigron - *SCubOX, a Spectral Cube Online EXplorer*

- Thomas Boch - *Experimenting dynamic generation of HiPS density maps for large data exploration*

- Hugo Buddelmeijer - *Request-based analysis of large datasets*

- Petr Skoda - *VO-Cloud for Machine Learning*

VOTable issues & proposals

- **Unicode** : Clear presentation of the issue (thanks Mark Taylor)
  => Conservative solution would be preferable
  => No decision, discussion should be achieved on mailing list

- **VODML** : 4 proposals (examples available on twiki thanks to Gerard Lemson)
  => The 4th solution (new XML tags dedicated to VODML serialization) gets the largest consensus

- **Coordinate specification** : state of the art... not so good
  The proposal (no vote)
  => fix the situation by un-deprecating the COOSYS method
  => deprecate the temporal STC note usage
  => use VODML serialization when it will be ready

Roadmap

3 VOTable actions :

- **Unicode issue** : Get a consensus (mailing list should be appropriate)

- **VODML serialization** : Collaborate with DM WG to propose a VOTable schema update to support VODML serialization based on new XML tags (proposal 4).

- **Coordinate specifications** : Clean the current bad situation by an announcement on the mailing list of the proposal 2+4 : un-deprecate COOSYS + Introduce VODML when it will be ready(deprecate STC note))