

# Applications WG

Chair: Mark Taylor  
Vice-Chair: Pierre Fernique

IVOA Interop Meeting  
Heidelberg  
May 2013

`$Id: apps-review.tex,v 1.5 2013/05/17 06:58:50 mbt Exp $`

# Show and Tell

## Presentations (Apps 1, 2, 3):

- New work on old favourites:
  - ▷ SPLAT, Iris, Specview, VOPlot, TOPCAT
- Web clients, HTML5:
  - ▷ Aladin Lite, WFAU query/plot GUI, TAPReg interface, ALMA cube viewer
- New(-ish) problem domains:
  - ▷ Cubes, time domain, heliophysics, planetary science
- Infrastructure:
  - ▷ TAPVizieR, CDS X-match API, TAP federation, PDL client/server
- Putting it all together:
  - ▷ HST archives, POMME light curves, Planetary science

## Buzzword bingo:

- TAP, (Web) SAMP, ObsCore, VOTable, SSA, ADQL, SLAP, SIA, RegTAP, UCD, STC, Char, VOSpace, DALI, Registry, PDL, MOC, DataLink, VO-DML, PhotDM, ...

# MOC

## Multi-Order Coverage maps

- MOCs in use already
  - Tools: Aladin, MIZAR/SiTools, TOPCAT, STILTS
  - Archives: VizieR, WFAU
- WD fairly stable
  - Minor issues: additional FITS metadata keywords, JSON y/n?
- New SAMP MType `sky.coverage.moc.load??`

## MOC in Registry

- Reg WG agree: Reference MOC services from VODataService `<Coverage>` element
- Populate registry with MOC services (VizieR at least)
- Write clients to acquire/consume MOCs from registry

## Utilities:

- Position list → MOC — *Available (STILTS, MOC lib)*
- FITS image/WCS header list → MOC — *Available since Wednesday (Aladin)*
- FOV list → MOC — *soon? (STILTS)*
- (simple) STC-S coverage list → MOC — *soon? (Aladin)*

# Roadmap

## VOTable 1.3:

- In TCG review now
- REC very soon

## MOC 1.0:

- We have two interoperating implementations (Java MOC lib, JavaScript MIZAR/SiTools)
- Review further implementation experience at Hawaii
- PR after Hawaii?