

VOTECH TAP #4

CDS

Goals for Stage04

DS3 (1)

- Contact person at CDS: A. Schaaff
- Standards
 - VOA WS Basic Profile
 - New version and on-line checking tool presented at Moscow Interop
 - Ready to go further in the standardisation process as soon as VO Support Interface is at the proper stage

DS3 (2)

- Prototypes

Implementation and tests of VO tools and standards in the CDS context. Implementation feedback will be provided

- VizieR SkyNode

Participation to the VOQL redefinition team (FO); further implementation at CDS pending, waiting for progress in the new ADQL/TAP standard definition

- VOSpace

Implementation at CDS; assessment of usage (in particular for data replication, ...); feedback will be provided

- UWS

Implementation at CDS for different use cases (e.g. image processing); feedback will be provided

DS3 (3)

- Production components

- JLow evolution and support

- The ‘light’ graphical interface to workflows is maintained and CDS is ready to support VO-TECH partners for implementation and usage, and to envisage evolutions if required

- Several use cases: visualisation/management of image processing modules; visualisation/management of s/w modules in Aladin

- Studies

- Workflow, Grids

- Use cases, demonstrations, links with the FVO Working Groups

DS4 (1)

- Contact person at CDS: T. Boch
- Positional cross-match in VizieR
 - Still on-going (some time needed from FO)
- X-Match tool
 - Available in Aladin, increased capacities
 - Goal is to offer it as a separated Web Service

DS4 (2)

- Managing data staging in Aladin
 - Support for asynchronous services in Aladin (data staging capability, shopping basket functionality, VOSpace interface)
- WCS information in JPEG headers
 - Implementation in Aladin
- (Semi-)automatic astrometric (re)calibration

DS4 (3)

- Simple footprint description (with ESO)
Also collab. STScI
Was ~ready for an IVOA note but additional requirements from ESO. May have to be split into two parts (separating ‘rendering’) to keep the momentum
- CDS ready to participate in the User tool study report: contact person at CDS is T. Boch

DS5 (1)

- Contact person at CDS and DS lead: S. Derriere
- UCD-based registry query
 - Locate relevant resources in the VO Registry using UCDs (upgrade to UCD1+)
- Homogenized data retrieval
 - Tests, documentation and release
 - Cross-DS with DS6: ‘characterisation’ management

DS5 (2)

- SED construction from homogenized data retrieval
 - Generalization of the homogenized data retrieval beyond the radio domain (what are the required elements)
 - Cross-DS with DS4 and IVOA Source Catalogue Data Model
 - Object name recognition
 - On-going: handling of special cases, extraction improvement, tests (completeness/reliability)
- Ontology of astronomical object type (led by INAF)

DS6 (1)

- Contact person at CDS: F. Bonnarel
- Standards
 - DAL
 - Extension mechanism Appendix
 - AccessAndViews DM note (lower priority)
 - Test implementations
 - Cross-DS with DS 4: publish FoV Note
 - DM

WD published since Moscow. Aim is to accelerate progress towards Recommendation, including reference implementations (DS5, others)

DS6 (2)

- Standards (contd.)
 - PLASTIC: contact person at CDS T. Boch
Active participation in collab. with J. Taylor
(Edinburgh) et al.
IDL/PLASTIC interface
- Participation to the DS6 Study/Report as required
- K-d tree indexing: keep in touch