DS4

Cycle 03 CDS plans

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Outline – list of topics

- Improved cross-match tool
- Interfacing tools
- Evaluation/Implementation of DAL standards
- Development of the positional index in VizieR
- Astrometry in tools
- IAU demos @Prague

Improved xmatch tool (follow-up)

- Collect feedback from users

Interfacing tools

- Study and evaluation of low level interfaces
  - VOApp, PLASTIC, IDL Java Bridge, …
    --> different levels of interconnexion
  - Evaluate proper usage for each level
  - Should we offer low level interface to access Aladin objects ?

- Development of a prototype application using the Aladin/IDL interface
  - In collaboration with Bernd Vollmer and Laurent Cambrésy
  - Follow-up

Evaluation/Implementation of DAL standards

- **Follow-up** of Simple footprint description
  - Critical point : updating the documentation and writing of an IVOA note
  - Presentation at Interop meeting @Victoria
  - Development of a FOV library ?
  - Collaboration with ESO
- Manipulation of cubes and FITS extensions in Aladin
  - Potential collaboration with ESO
  - Cross-DS work (DS6)

Development of the new positional index for VizieR

- 1 FTE to be hired during cycle 3
- Needed for
  - Efficient cross-match between VizieR tables
  - Building of density maps
- Follow-up of the architecture study lead during cycle 2

Astrometry in tools

- Study the possibility of writing WCS information in JPEG headers
  - Suggested by Daniel Durand (CADC)
- Study an automatical astrometric calibration tool

Demos for IAU@Prague (August '06)

- Demos focused on VOTech developments
- Involve CDS scientists in the loop
- Important point for cycle 3

Wrap-up

- Open to suggestions, especially from the Science Team
- Consolidation phase needed before the TAP