

DS4

Stage 05 CDS plans

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On behalf of CDS DS4 team

Outline

- Sky indexing and cross-match (follow-up)
 - Positional index in VizieR
 - Cross-match Web service
- Simple Footprint Description (follow-up)
- DS4 Study Report
- Aladin plugins

Sky indexing and cross-match (follow-up)

- Positional index for VizieR
 - High priority
 - First implementation and performance tests during stage 5
- Cross-match Web Service
 - Distribute task on a cluster of PCs to improve scalability and performances
 - Follow *UWS for REST* document
 - Provide a SOAP layer to submit a xmatch job and retrieve the results
 - Implement xmatch with error ellipses
 - Better documentation, better error reporting

Simple footprint description (follow-up)

- Good progress during the Hackathon session
- Roadmap (in collaboration with ESO)
 - Publication of the IVOA note *April*
 - Presentation at next Interop meeting *May*
 - Tutorial at Euro-VO Workshop at ESAC *End of June*
 - Development of the footprint graphical editor
 - ◆ Facilitate take-up of standard at the IVOA level

DS4 Study Report (follow-up)

- Contribute to existing draft with CDS developments and studies for DS4
- Deadline : June '07

Aladin plugins

- Study the possibility of writing Aladin plugins in IDL
 - Test and report on IDL Export bridge (allows to expose IDL objects to Java applications)
 - Requested by scientists after a demo of Aladin plugin mechanism
- Develop plugins for
 - Querying any VizieR table with a list of positions
 - Querying Simbad with a list of position
 - ◆ (were available in AVO prototype)
 - (Semi-)automatically calibrating image astrometry
(follow-up)