

Obscore Implementation in SPLAT

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- ▶ SPLAT-VO is a graphical tool for analysing astronomical spectra, originally with SSAP functionality
- ▶ New additions: DataLink and ObsCore support, new spectral analysis functions
- ▶ ObsCore implementation ongoing

Why implement Obscore?

- ▶ Because there are ObsCore services offering spectra.
- ▶ VO data centers are starting to offer ObsCore services, so more data can be discovered with SPLAT-VO and therefore used with it's spectral analysis functions.
- ▶ Less "simple" than SSAP => More powerful selection of spectra from the VO using ObsTAP.

- ▶ Discovery of ObsCore services using RegTap
 - ▶ provides more precise discovery results for ObsCore, restrict response to needed information (no need to parse long resource records)
 - ▶ Future port of all SPLAT-VO registry query to RegTap
- ▶ TAP: up to now Sync TAP implemented (using Starjava TapQuery library)
- ▶ parse DataLink input from services if necessary
- ▶ User Interface: ongoing work.
 - ▶ 1: Cone search similar to SSAP interface - automatically create ADQL query
 - ▶ 2: ADQL interface - user can write queries directly

Feedback to ObsCore services:

- ▶ Currently registry search returns ca. 8 OBSCore services
- ▶ Only few of them respond correctly
 - ▶ ivoa.ObsCore table missing, case matching (ObsCore/Obscore), no response, ...
 - ▶ contact persons will be notified

Where to get it

- ▶ Preliminary build of SPLAT-VO with ObsCore can be retrieved at **<http://www.g-vo.org/pmwiki/About/SPLAT>**
- ▶ After implementation and testing it will be incorporated into SPLAT-VO in a new release.

