Using the UAT thesaurus to annotate catalogue descriptions in VizieR

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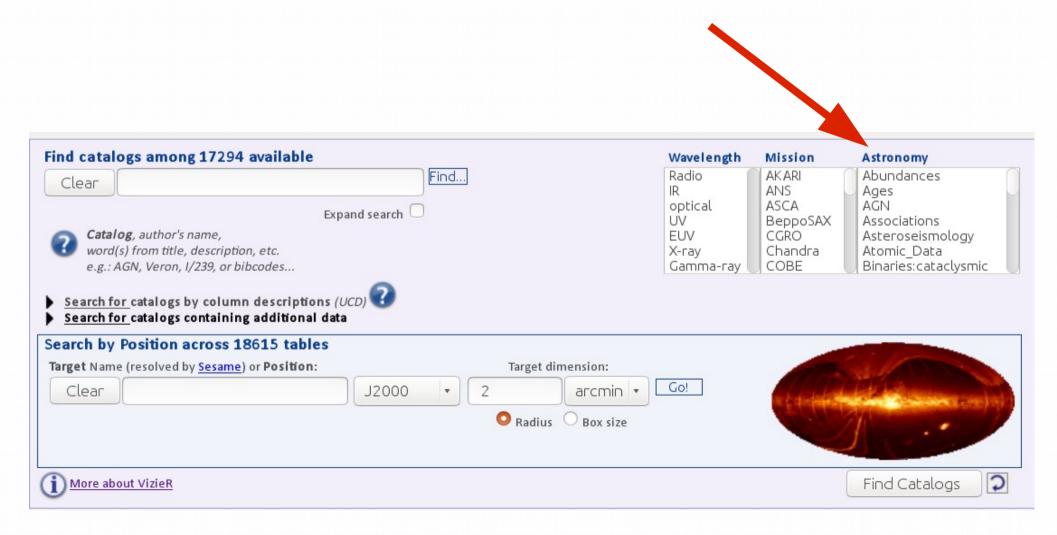
VizieR keywords

- Documentalists assign keywords to each VizieR catalogue (in ReadMe)
 - 305 ADC keywords
- These keywords are mapped in DB to a limited list of VizieR terms (76 terms for astronomy)

| Abundances |
|------------------------|
| |
| Abundances |
| Abundances |
| |
| AGN |
| Associations |
| Planets+Asteroids |
| |
| Positional_Data |
| |
| Atomic_Data |
| |
| BL_Lac_objects |
| Photometry:narrow-band |
| |
| Binaries:cataclysmic |
| sources |
| Binaries:cataclysmic |
| |

VizieR keywords search

Search by astronomy keyword



VizieR keywords in Registry

 The VizieR keywords are used in the VOResource <subject> elements

- Pro : homogeneous description across all resources
- Con: limited vocabulary

■ UAT : Unified Astronomy Thesaurus

- http://astrothesaurus.org/
- 2018ApJS..236...24F
- See A. Accomazzi's presentation (10/2016)
 - http://wiki.ivoa.net/internal/IVOA/InteropOct2016Semantics/UAT -Update2016.pdf
- Current version 2 (January 2017)
 - v3 of thesaurus in preparation (planned 09/2018)
- Usage is broadening
 - Collaboration with AAS, journal editors
 - Classification of HST & JWST proposals
 - Recommended terms for <subject> from VOResource 1.1

VizieR to UAT mapping

- Nearly all terms have proper correspondance
- Good idea to change all VizieR catalogue
 <subject> to UAT terms
 - But keywords could be more precise
- Use UAT terms from the beginning in VizieR?
 - Need to be integrated into ingestion pipeline
 - Training of VizieR documentalists