Vocabulary suggest Widgets from Registry

Sébastien Derriere

IVOA interoperability meeting
Nara, 2010 December 10

Resource metadata

- Help user fill-in the contents when creating Resources: *What am I supposed to type??*
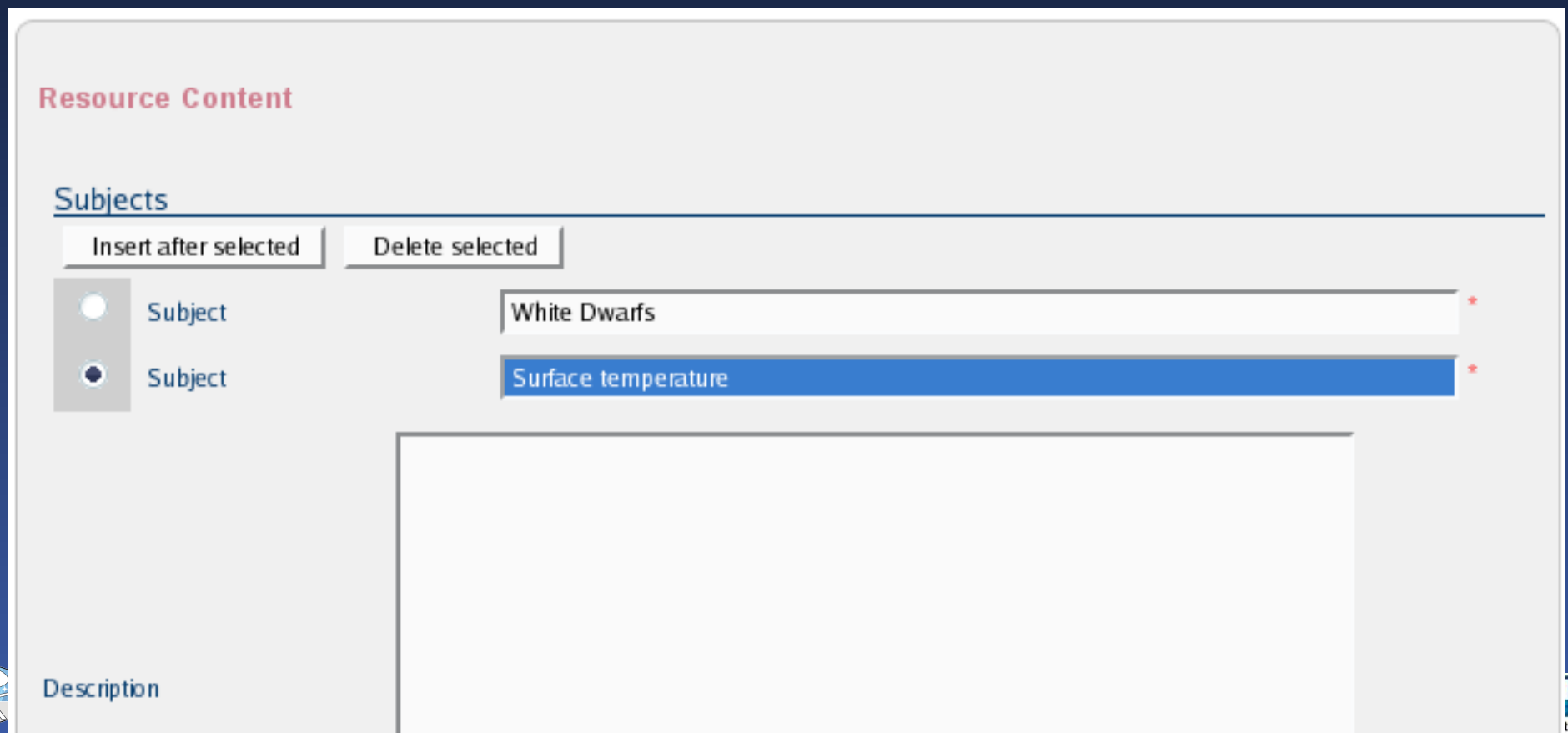
Resource metadata

- What do users do in practice?

- Look at existing <subject> contents in registry

- Well... maybe some help is needed

75 Star	72 Observation
52 Galaxy	52 surveys
37 Stars	25 OpenSkyNode
36 Galaxies	24 virtual observatory
16 AGN	22 Images
12 Cluster of Galaxies	19 Photometry
12 Nebulae	19 Surveys
11 Planets	17 Catalogs
10 GRB	17 Optical Astronomy
10 Globular Clusters	15 spectroscopy
8 Star Cluster	13 Cosmology
7 Nebula	13 optical astronomy
6 Variable stars	[...]
5 Hot stars	7 Artificial Neural Networks - Classification and pattern recognition
5 Pulsar	7 Redshift
4 supernova	7 UV Astronomy
3 Clusters of Galaxies	7 XRB
3 Infrared:stars	7 digital libraries
3 Quasars: general	7 images
3 Supernova	7 stp
3 White dwarfs	6 NOT PROVIDED
3 galaxies	

2 6dF survey galaxy galaxies redshift redshifts 2MASS

2 Arecibo

2 Astronomical literature

2 Astrophotography

2 CV

2 Catalog of echelle spectra

2 Chianti Atomic Data

2 Computer Simulation

2 Cosmic Microwave Background

2 DES VTPRS Cluster Finding Service: a tool for calculating candidate clusters from galaxy catalogs

2 Digitised photographic Schmidt field test photometry astrometry

2 Digitised photographic optical all-sky photometric astrometric survey

2 Faint Images of the Radio Sky at Twenty-cm FIRST

2 GALEX

2 Galactic Legacy Infrared Mid-Plane Survey GLIMPSE

2 Hubble

2 IPHAS

2 Infrared Astronomy

2 Infrared all-sky survey

2 Infrared point-source survey

2 National Virtual Observatory

2 Photographic plate

2 ROSAT xray x-ray sources faint bright

Resource metadata

- Add suggestion mechanism using :
  - Vocabularies
  - AJAX
- Vocab service
  - publication
  - curation

Autosuggest / Autocomplete from SKOS vocabularies

Vocabulary to use | IVOA Thesaurus

Search string | planet | submit

- planet
- planet**ar**
- planetoid
- planetary
- protoplanet
- planetology
- planetarium
- planetesimal
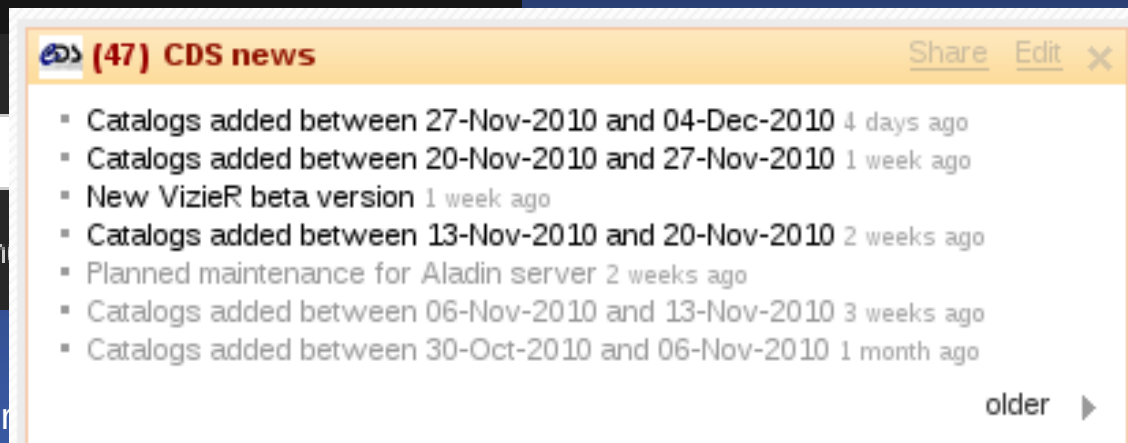
Widgets and VO

- ADASS 2010 presentation by Andrew Connolly
  - Modular Web Portal
  - Interacting Widgets
- Widgets for RSS feeds : NetVibes, iGoogle...

Add a feed

Enter a feed address or website URL for autodetection

http://cds.u-strasbg.fr/news/rss.php

OPML : Import Export If you add feeds regularly, try th...

(47) CDS news   Share Edit ✕

- Catalogs added between 27-Nov-2010 and 04-Dec-2010 4 days ago
- Catalogs added between 20-Nov-2010 and 27-Nov-2010 1 week ago
- New VizieR beta version 1 week ago
- Catalogs added between 13-Nov-2010 and 20-Nov-2010 2 weeks ago
- Planned maintenance for Aladin server 2 weeks ago
- Catalogs added between 06-Nov-2010 and 13-Nov-2010 3 weeks ago
- Catalogs added between 30-Oct-2010 and 06-Nov-2010 1 month ago

older ▶

Widgets from Registry

- Example : ConeSearch
  - widget with dedicated web form for one Resource

ivo://authority/service/ConeSearch

Fairly easy to do (for JS lovers)
UWA framework
It works !