Registry publishing interface

- ivo-id ?
- AuthorityID ?
- Service? DataCollection?
- Capability ?
- Interface ?

Publish my new snapshots of planetary nebulae to the VO ?

Registry publishing interface

- Comparable for different registries

- Well documented

  - « wizard » approach with clear steps

  - registry jargon made comprehensible

  - no need to know the VOResource XML

- See NVO Universal Publishing Interface

  - http://trac.us-vo.org/nvo/wiki/UniversalPublishingInterface

Implementation

- Schema (incl. descriptions) -> (XSL) -> Xforms -> HTML form
    - Chiba, Orbeon, Xfaces
- When filling the form
    - Use reasonable default values
    - On-the-fly validation of values
        - AJAX ?
        - Check dates, num. values, regexpr...
    - (Semantic) suggestion mechanisms
        - pick from vocabularies: standardize metadata values

<subject>

- VizieR resources: values from controlled kwds

- Other resources:

75 Star	3 White dwarfs
52 Galaxy	3 galaxies
37 Stars	2 Comets
36 Galaxies	2 Cool stars
16 AGN	2 Extragalactic Source
12 Cluster of Galaxies	2 Extragalactic objects
12 Nebulae	2 Infrared: stars
11 Planets	2 Interstellar medium
10 GRB	2 QSO
10 Globular Clusters	2 QSOs
8 Star Cluster	2 SNR
7 Nebula	2 Variable Star
6 Variable stars	2 White Dwarf
5 Hot stars	2 clusters of galaxies
5 Pulsar	2 stars
4 supernova	1 Asteroids
3 Clusters of Galaxies	1 BL Lac
3 Infrared:stars	1 Be/X-ray binary stars
3 Quasars: general	1 Binary stars
3 Supernova	...

<subject>

- Important piece of metadata
  - Useful for searching !
- Need to take care in the publishing
  - Structure: possibly several <subject> per ressource
    - avoid multiple content like: Survey, Stars, Infrared
  - Different kinds of information
    - object types, measurements, data products, ...
  - « Standardization » with vocabularies
    - « suggest » services in registry publishing interface