

VOfacilities

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and the IVOA Semantic working group

Sydney Interop Meeting,

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A controlled vocabulary

For designation of

1. Telescope name
2. Observatory name
3. Space-mission
4. Spacecraft
5. Instrument name

A large variety in Planetary and solar science

Existing lists

AAS list

ESO list of observatories and instruments

Heasarc

NSSDC

SPASE

....

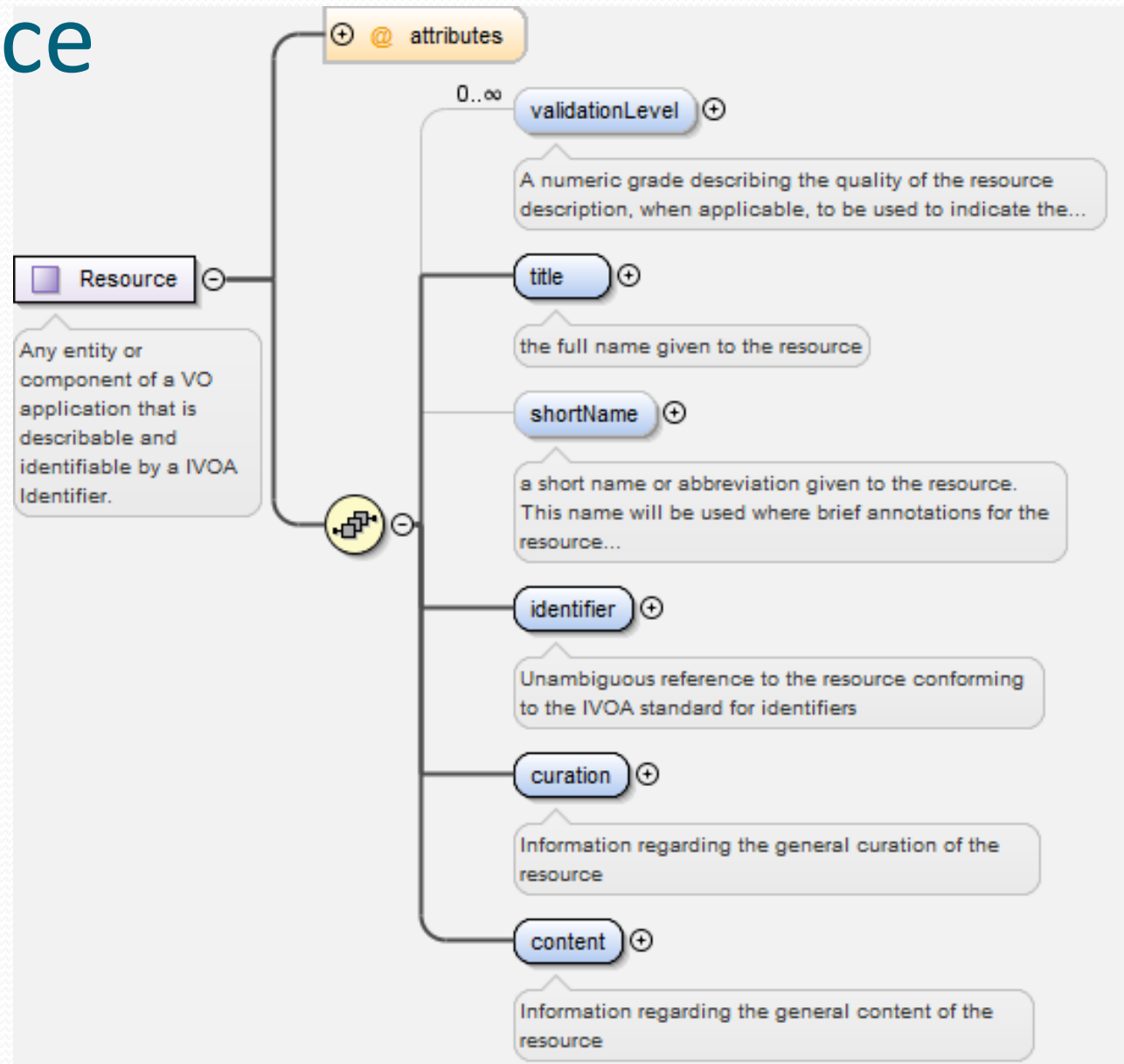
Librarian lists @ various bibliographic data centers

Heterogeneous and different granularities

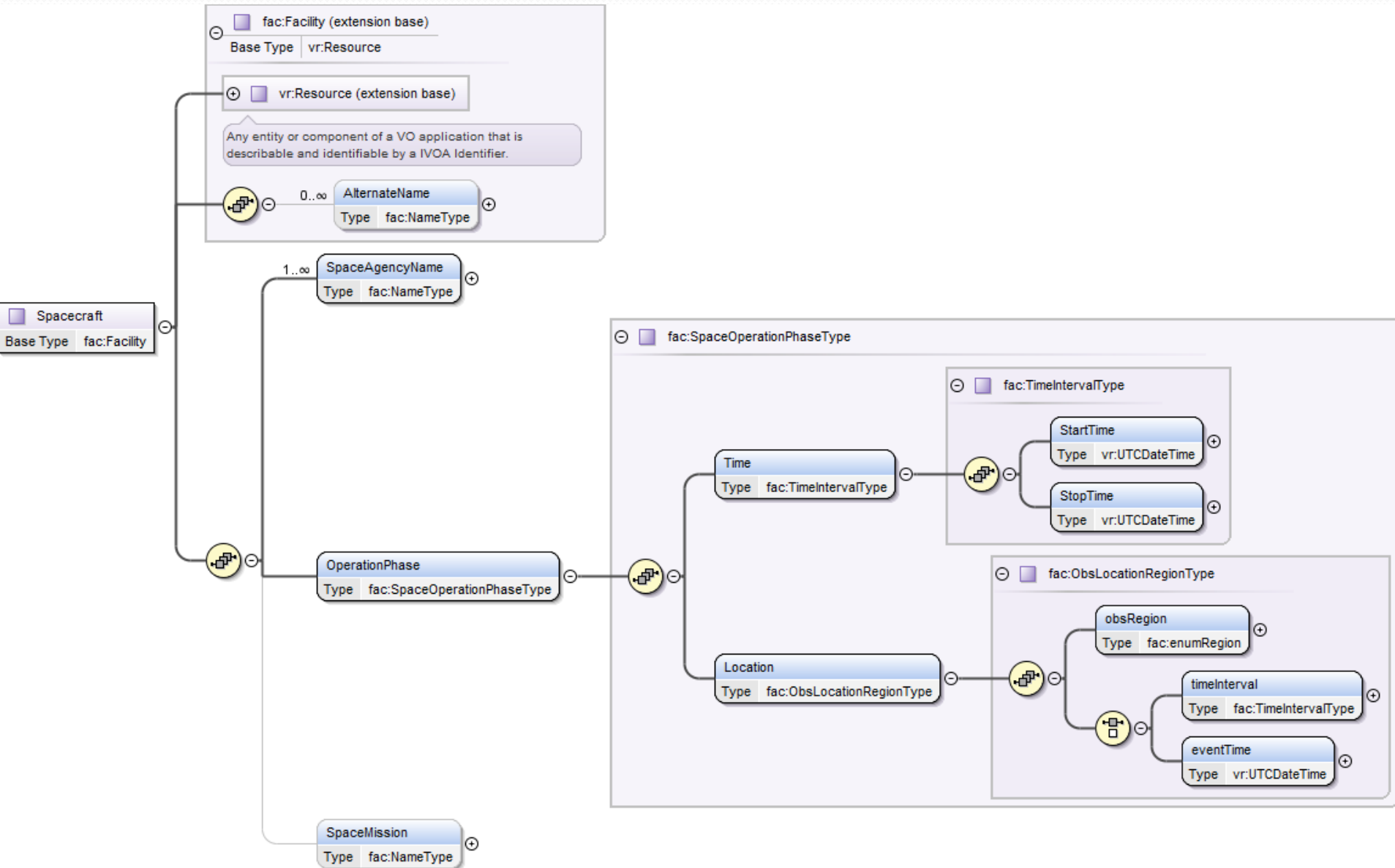
Metadata for a Facility

- A proposal at last Interop meeting in Sesto
- Based on a VOResource record
- XML format or others

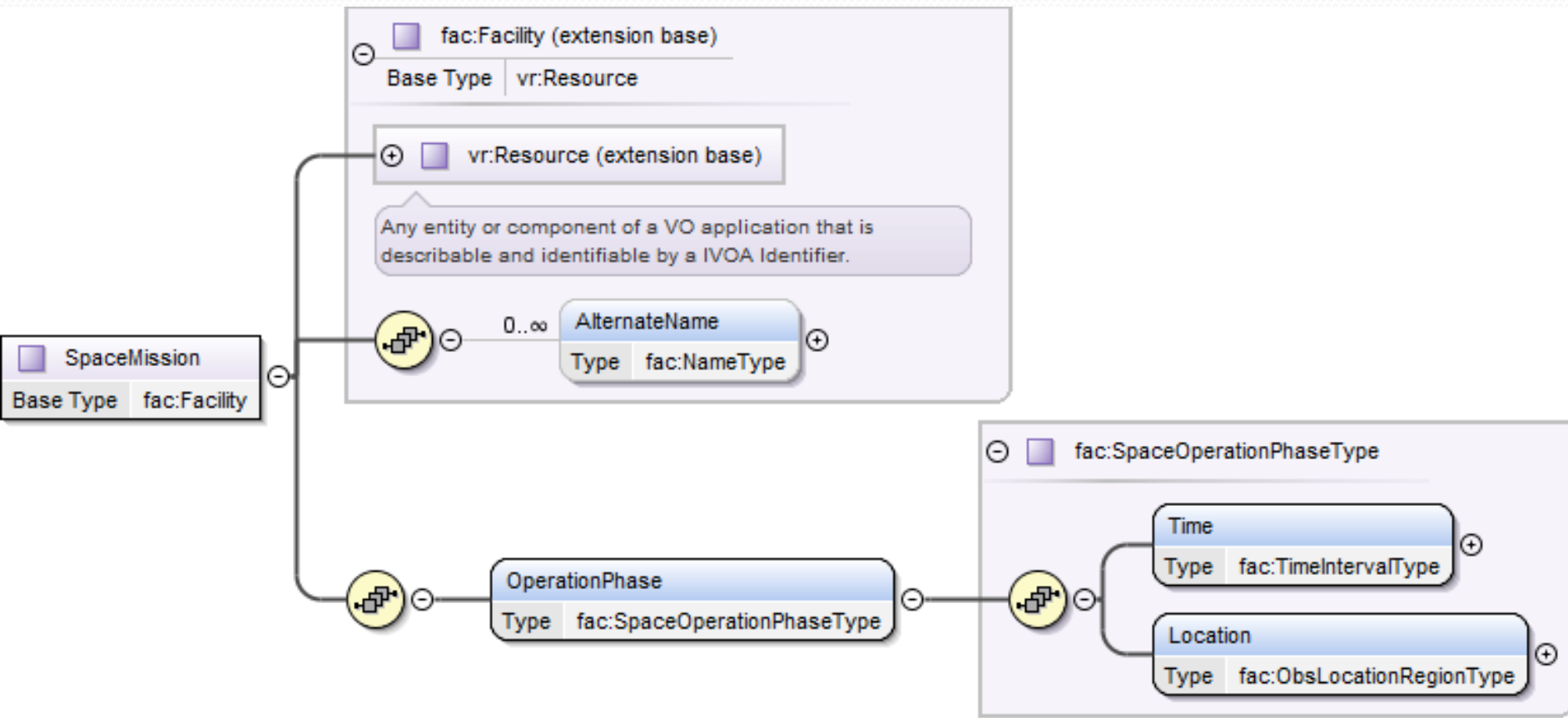
VOResource



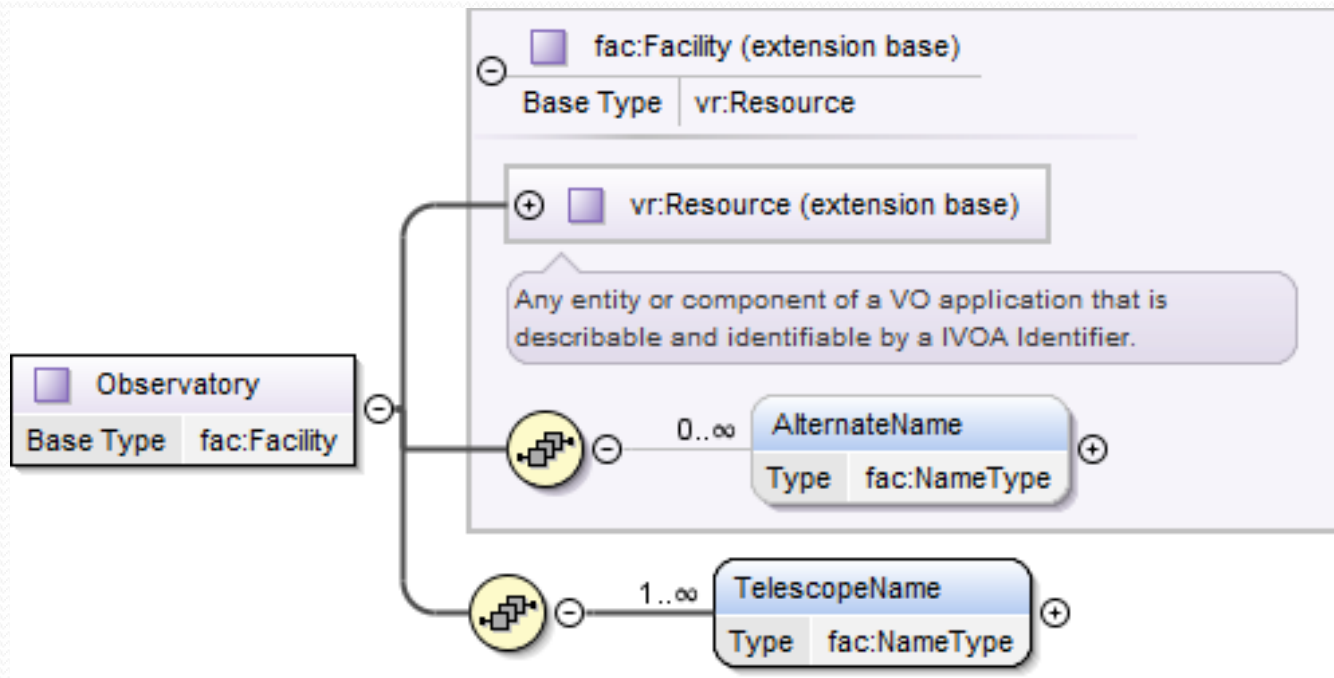
SpaceCraft



Space Mission



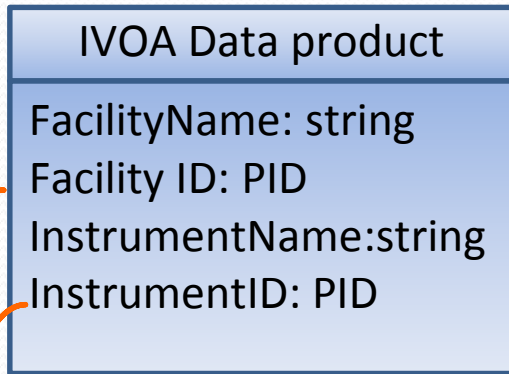
Telescope



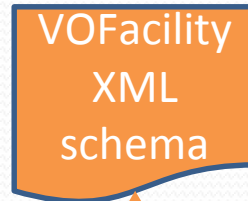
On going effort

- Captures alternate names
- Describes major features
- From VOResource
 - Has an identifier
 - Has a description page

VO Service



VO Registry

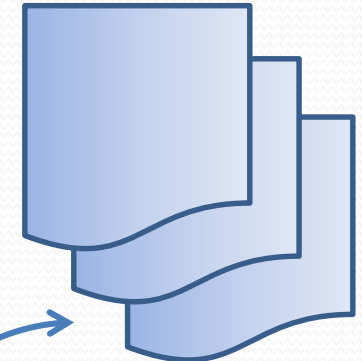


PID	Metadata description	Landing page URL
1.2.45	A12z5.xml	url



Resource Locator

Agencies



ESO
SPASE/SMWG
NSSDC
Heasarc
etc.



PID Resolver

Citations

- Bibliographics services also maintain such lists
- May want to cite facilities and instruments in papers
- PID definition would allow unique referencing
- DOIs?
- URI?
- IVOA Identifiers?

Curation

- Various parties involved with different goals
- Who would be responsible for long term curation ?
- Consistency between bibliographics services and such a VOFacility registry

- Still a nice to have service !!