

Observation Facilities an update

- Need for a standard nomenclature for observation facilities (observatories, spacecraft...) and instruments (telescopes, experiments, instruments).
- Use cases
 - data discovery (EPN-TAP, ObsTAP)
 - data Tagging (VizieR)
- Several lists identified (some are several hundred items). Merging is difficult by hand or programmatically.

PDS4 information model

- NASA/PDS v4 information model (IM) has conceptual elements and links for observation facilities and instruments, as part of their “Context Products” description
- NB: we used version 1.8.0.0 (current version is 1.10.0.0)
<https://pds.jpl.nasa.gov/datastandards/documents/im/>

14 Context Components

14.1 Airborne

14.2 Facility

14.3 Instrument

14.4 Instrument_Host

14.5 Investigation

14.6 Other

14.7 Resource

14.8 Target

14.9 Telescope

Fuzzy logic matching

- Developed by VESPA project in Graz (Austria)
CLI Python based.
- Dedicated for “observatory” level
- Tested with IAU, AAS and NAIF lists.
Improvements on going.
- Available online on GitHub:
<https://github.com/eprn-vespa/FacilityList>