

Semantics WG - Roadmap

Chair : B Cecconi (ObsParis) ; Vice-chair : S Derriere (CDS)

- ObsFacility : vocabulary + IVOA Note
- EPNcore : List of terms in the standard => move to semantics
- Heliophysics Reference Frames (input from IHDEA)
- UCD RFM 1.6
- Exploration of linked-data/web-semantics
- Product-type vocabulary

Semantics WG – Goals and challenges

- What is a FAIR vocabulary?
 - Improve FAIRness of vocabs (e.g., better RDF compliance, more provenance, versions...)
- Build stronger semantic links with Heliophysics (IHDEA, <https://ihdea.net>), Planetary science (IPDA, <https://planetarydata.org>), Particle physics...
- Open up to the semantic web : use IVOA vocabularies (seen as ontologies) in linked-data applications
 - Joint study with Registry and DCP on mapping IVOA registry to DCAT
 - DCAT = W3C standard for Dataset and catalogue on the web, <https://www.w3.org/TR/vocab-dcat-3/>

Semantics WG – Session

- Thursday May 23rd 2024
 - 11:00-12:30 (Sydney) ; 03:00-04:30 (Paris)
- Status of vocabularies : EPNcore lists, ObsFacility, RefFrame...
- UCD 1.6 RFM Status
- How FAIR are our vocabularies?
- Exploring the semantic web (joint with Registry and DCP)