

# Closing Session: Semantics

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Some highlights...

# Reality Check

Mark in Ops:

Almost a million good UCDs in Registry-registered tables.

200'000 columns without UCDs.

50'000 columns with bad UCDs.

480'000 columns with interoperable VOUnits.

200'000 columns with non-interoperable VOUnits.

Check your data!

# Product Types

Expect a re-make of the obscure terms in SKOS soon.

Think about what new terms in addition to dynamical-spectrum you need *at this point*.

To be reviewed together with Datalink.

# Facilities

Baptiste reported on past and future attempts to make facilities and instruments “meaningful” to computers.

Different use cases require different description depth: vocabulary vs. complex data model (cf. ProposalDM).

Main problem in any case: Maintenance.

Lots of lesser problems, e.g., instruments moving through facilities, granularity...

Paris will have dedicated staff to improve the situation soon!

# Object Types

Simbad's (future) object taxonomy is now preliminarily translated to an IVOA vocabulary.

This may need complements on the solar system and extragalactic end.

Please contribute to upcoming discussions on the semantics list.

# The Road Ahead

- New UCDs (skewness, kurtosis): UCDList 1.5 coming up.
- SSAP/SLAP UCDs: Errata coming up.
- Please review <http://www.ivoa.net/rdf/refframe> (for SimpleDALRegExt and Coords)
- <http://www.ivoa.net/rdf/product-type> coming up
- <http://www.ivoa.net/rdf/object-type> being developed
- There's still the UAT adoption EN

And: If you're missing terms on any of <https://ivoa.net/rdf>, consider a VEP. [semantics@ivoa.net](mailto:semantics@ivoa.net) is there to help you!