

Theory Interest Group

(Closing session)

Chair: Carlos Rodrigo Blanco
Vice-chair: Gerard Lemson

IVOA Interoperability meeting
Paris, May 2019



- Gerard Lemson
 - SciServer support for theory data.
- Franck Le Petit
 - Semantics for theory.
- Olivia Tortosa
 - SimDAL implementation for the Pollux database.
- Discussion:
 - Semantics/Vocabularies.
 - SimDAL implementations.
 - Registering SimDAL services.
 - ...

Splinter meeting Semantics/Theory

- Drop “theory” in URL’s for theory official vocabularies:
 - <http://ivoa.net/rdf/theory/AstronomicalObjects>
⇒ <http://ivoa.net/rdf/AstronomicalObjects>
- Share these vocabularies with all IVOA groups.
 - vocabularies used by both theory AND observers, that allow to find and compare data products from the two domains.
- Once these vocabularies leave “Draft” status, they enter the normal maintenance procedure for IVOA vocabularies.
- SimDM:
 - change URL’s for vocabularies ⇒ ERRATUM.
 - v1.1: VO-DML
 - v2: simplify the model by using vocabularies more explicitly and make it easier to map the model onto SimDAL.

- Registering SimDAL services.
 - Possible to register services only in a “weak” way.
 - Capabilities are not recognized.
 - Need to add standard capabilities.
 - SimDAL capabilities crash with *caproles*?
- More SimDAL implementations/implementors needed.
 - Theoretical spectra/atmosphere models (Pollux).
 - Asteroseismology groups.
 - contact cosmological and instrument simulation groups (large surveys), and see where there might be opportunities for sharing simulation data and tools.
- Having SimDAL client/s would help a lot.