

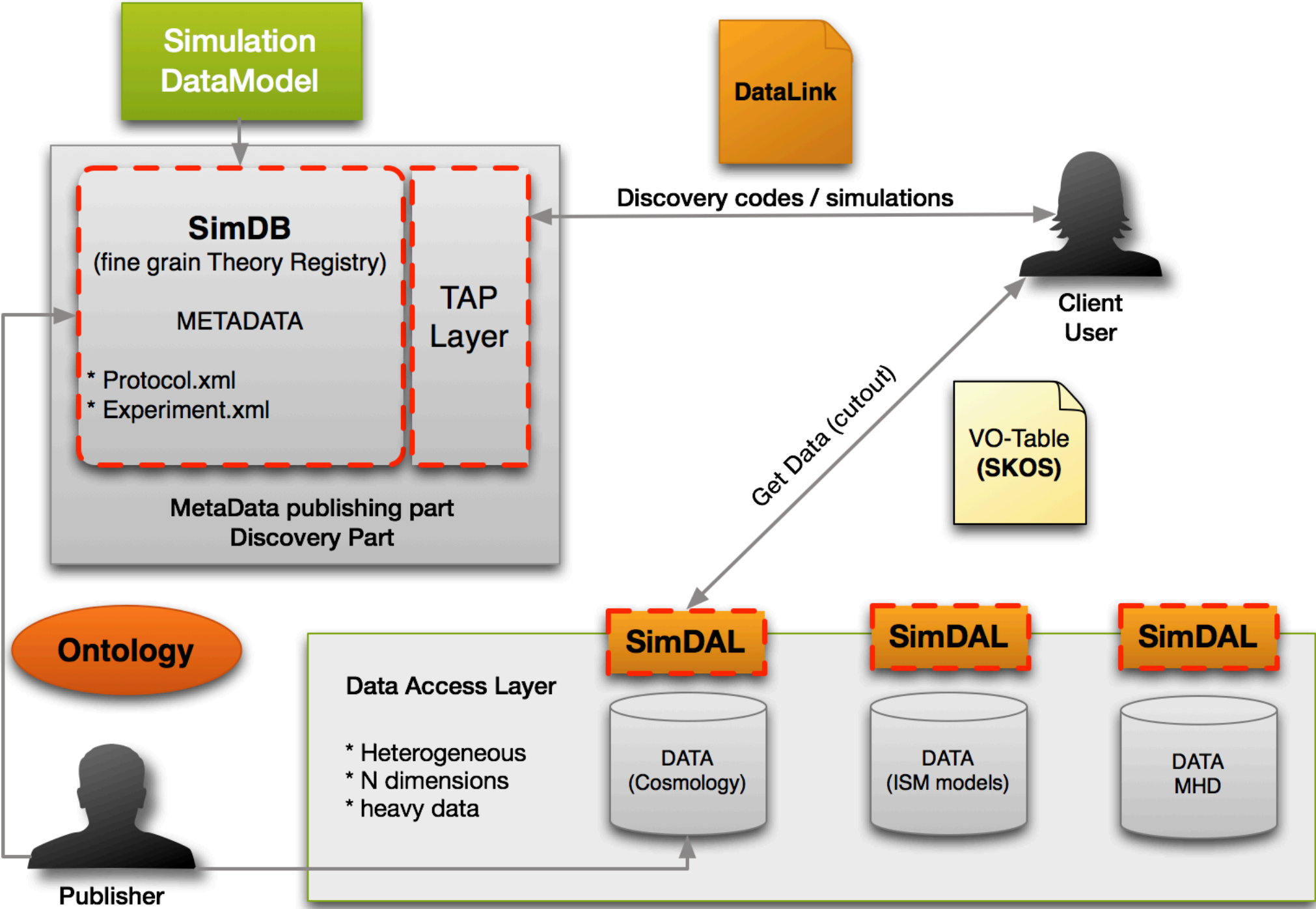


Theory I.G.

Closing session

Franck Le Petit

Conclusions



During this InterOp, progress on :

- SimDAL
- Semantics
- VO-Tables

Conclusions

1 - VO-Tables (App 1 session)

Need to tag FIELDS with SKOS concepts

Suggestion in the App 1 session :

- use LINK

=> **VO-Table 1.3 will fulfill Theory I.G. needs**

2 - SimDAL (wednesday)

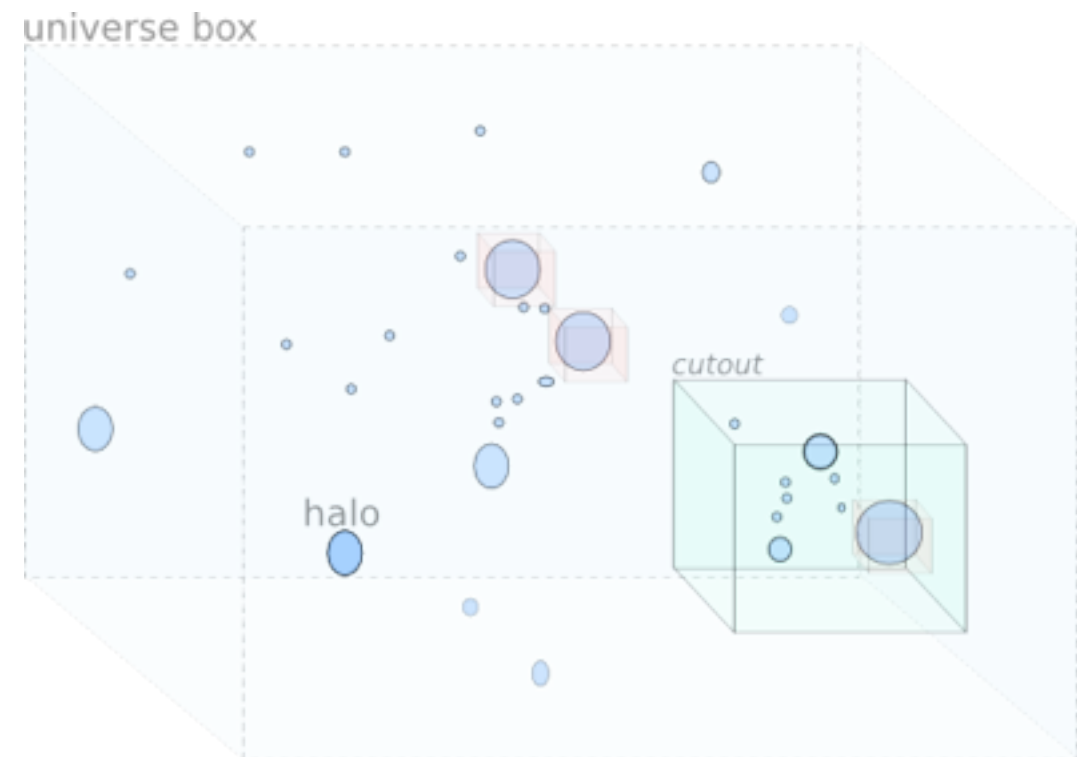
Status : proposition for a cutout method done by David Languignon

Discussion with DAL (Pat)

Conclusions :

- SimDAL is close to DAL works concerning cutout
- Use of Datalink to describe services to retrieve data

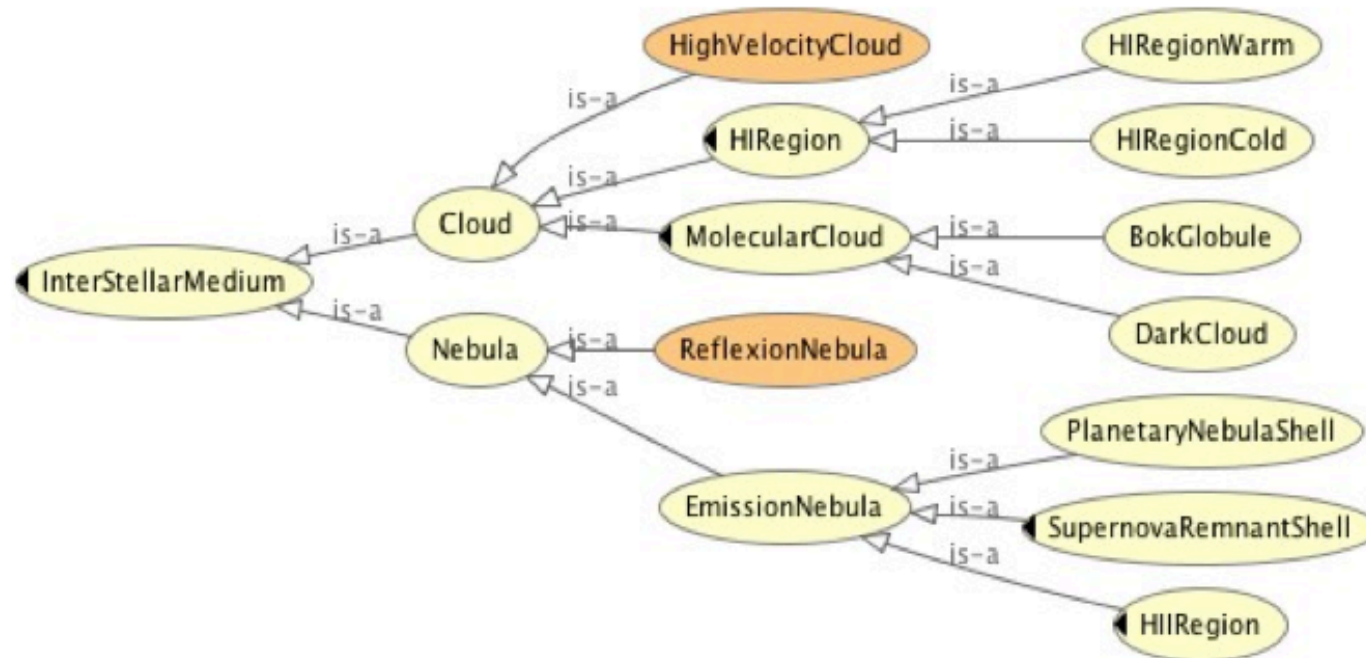
=> **SimDAL is in a good shape**



Conclusions

3 - Semantics (thursday)

Need to refine the ontology of Astronomical Objects



Need :

- Diffuse cloud
- PDR
- Star Forming Region
- Class 0, Class 1, Class 2, ...
- Damped Lyman alpha system
- ...

Decisions :

Since the ontology is a Technical Note, we can update it more frequently than UCDs

- Ontology of Astronomical Objects will be stored in a SVN repository (volute)
- Turtle + OWL
- Modification by members of the Semantics W.G. and Theory I.G.
- Publishers will have to ask modifications to members of these groups
- Checked by specialists if necessary

Roadmap

Two main objectives

- **SimDAL** (Resp : David & Franck)
 - W.D. for next InterOp
 - In the meantime discussions with :
 - Pat to be as close as possible to DAL cutout methods
 - François to use DataLink properly in SimDAL
- **SimDB** : (Resp : Gerard Lemson - Feedback on microphysics sim. : David + Franck)
 - Presentation and discussions at the next InterOp
 - Try to have a W.D.
 - Prototypes developed in Garching, Paris, San Diego (?)
- **Meeting of the VO-Theory I.G.** in Paris in January
- Extension on the fly of the **Ontology of Astronomical Objects**
 - Required to fill SimDB prototypes