

Theory I.G.

Closing session

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Theory sessions

Theory session on Monday

- presentation of SimDAL W.D. (D. Languignon)
- discussion

DAL Session

presentation of SimDAL W.D. (D. Languignon)

SimDAL

- approved as a W.D. of the DAL W.G.
- suggestions during discussions
 - need examples in the Data Access part

Next steps:

- update the W.D.
- reference implementations & validator
- implementation note with precise examples

Plan for coming months

Reference implementations

- Madrid (Carlos)
- Paris (David)
- Trieste if possible (Marco)
- maybe Gerard

Client / Validator

Paris + others

Implementation note

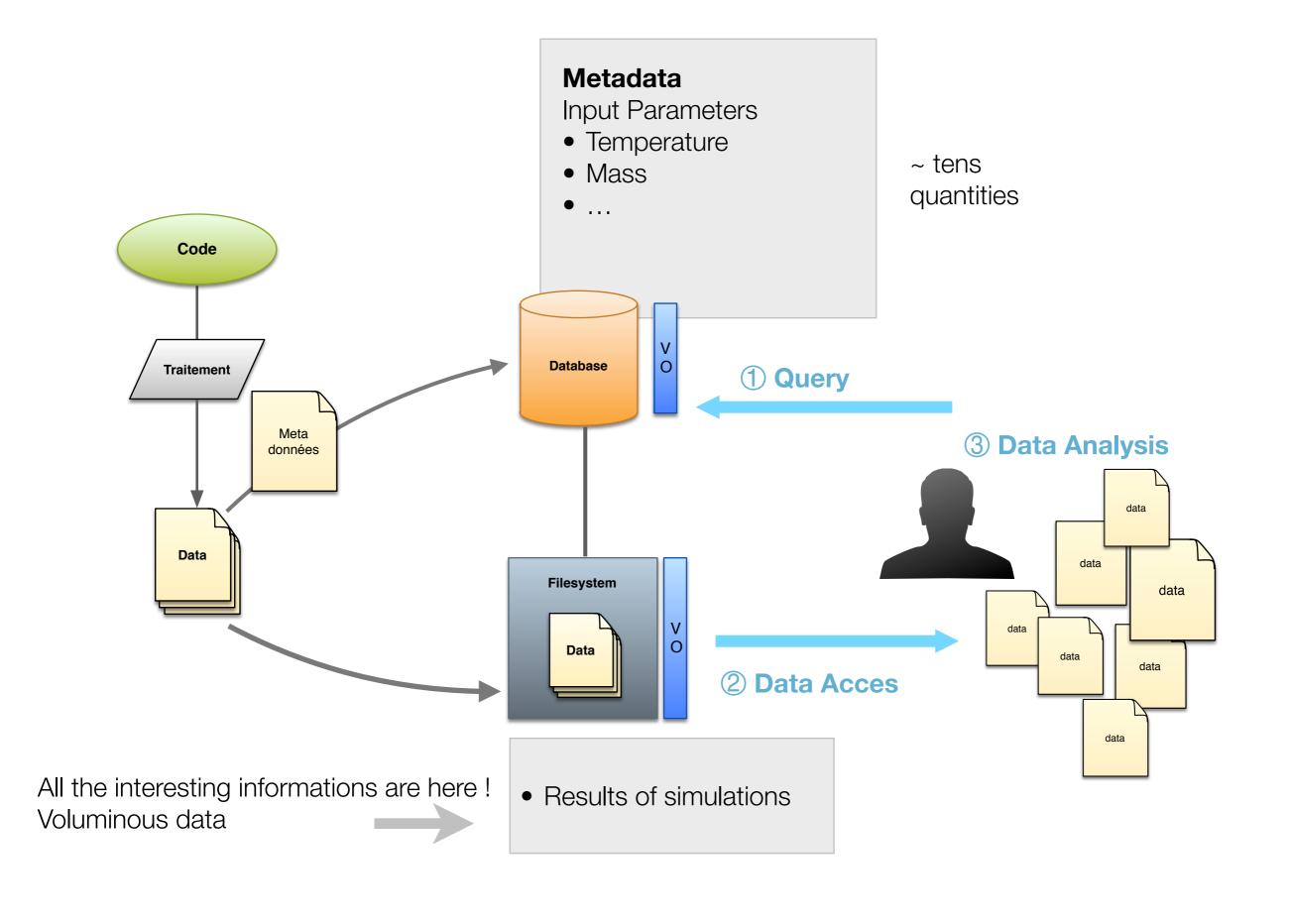
Goal: RFC end of 2015

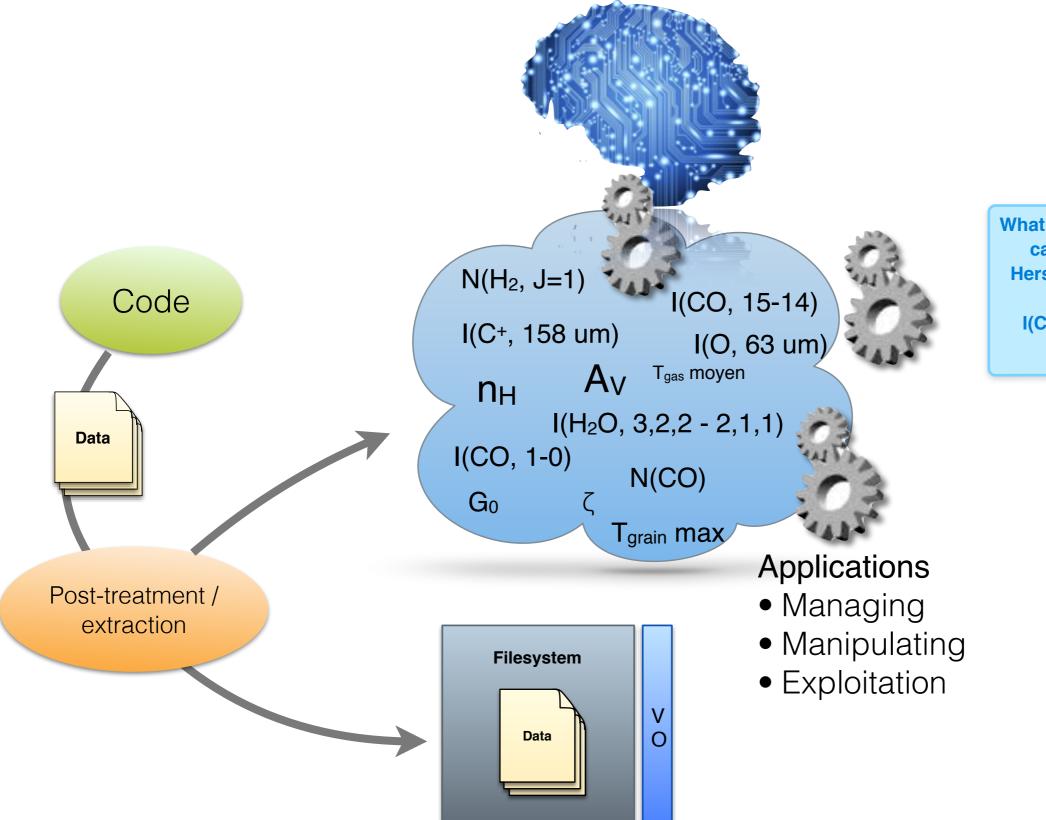
Why it has been so long

- Simulations are as heterogenous than observations (even more ...)
- A Standard designed for the future:

Massive Data

- => lot of R&D have been necessary to find solutions for some Big Data issues
- => SimDAL designed after this R&D to be sure the standard would be compatible





What are the models that can reproduce my
Herschel observations
where
I(CO 19-18) ~ 7E-9 ?



- 10 queriable quantities
- thousands models
- tens thousands to quantities

- hundred thousands queriable quantities



- thousand models
- millions / billions quantities

High dimensionality databases

In SimDAL:

- TAP-like but not TAP / ADQL
 - => do not imply the use of relational databases
 - Ex: not adapted for large number of heterogeneous columns (high dim. databases)
- Pagination / streaming to transfer informations