



THEORY/DAL SESSION

2011 Oct 18



Agenda

- DAL/Theory session: Tuesday 16:30 - 18:00 Bhaskara 3

Goals

- explore the current ideas on what SimDAL must/should do to allow discovery and access all theoretical data
- discuss which part of the SimDM could be registered
- discuss the specific way TAP could be implemented in SimDAL and which tables has to be provided

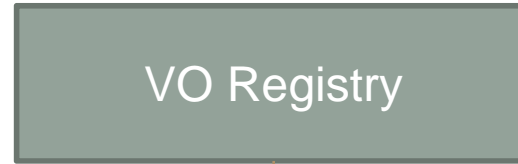
- Talks/Discussions:

- Hervé Wozniak: review of current ideas on SimDAL and SimDB
- David Languignon: SimDAL
- Discussion



SIMDAL / SIMDB

Synchro mechanism for metadata



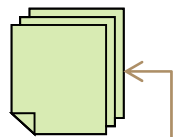
metadata synchro

very complex queries

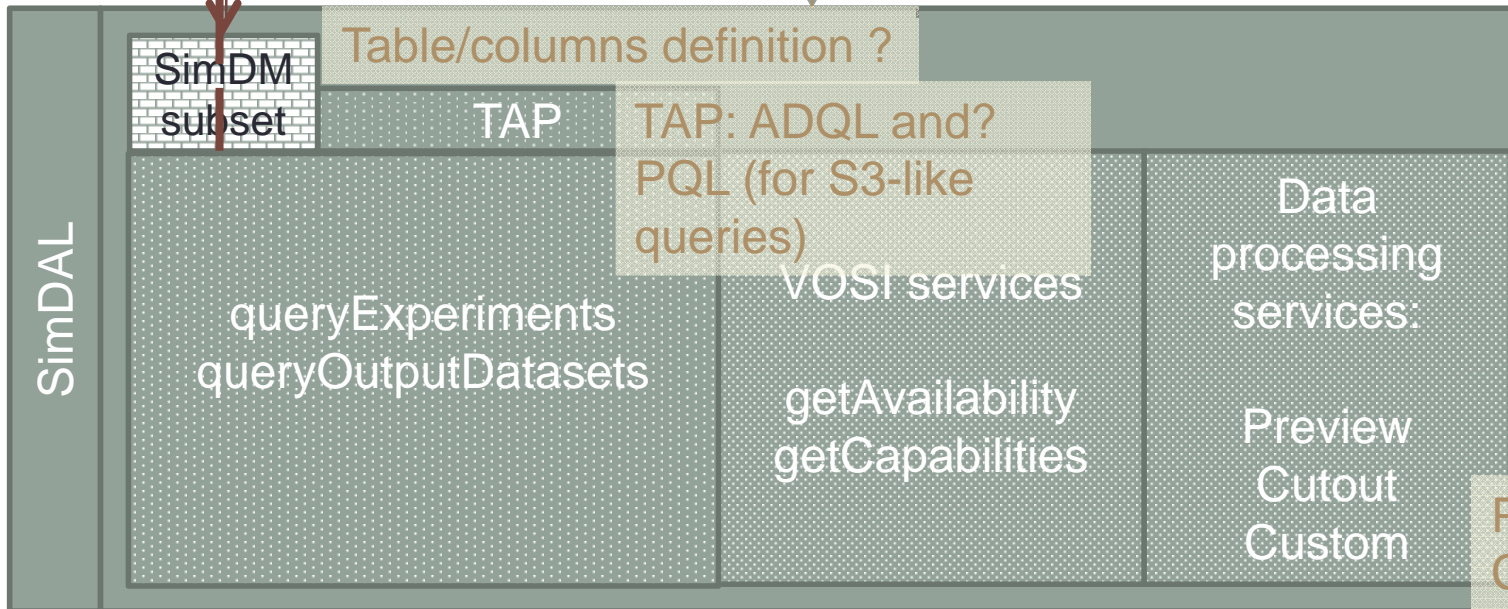
SimDB?

protocols?, webapps? SimDAL? etc...

REQUEST=?



data delivery



queryExperiments
queryOutputDatasets

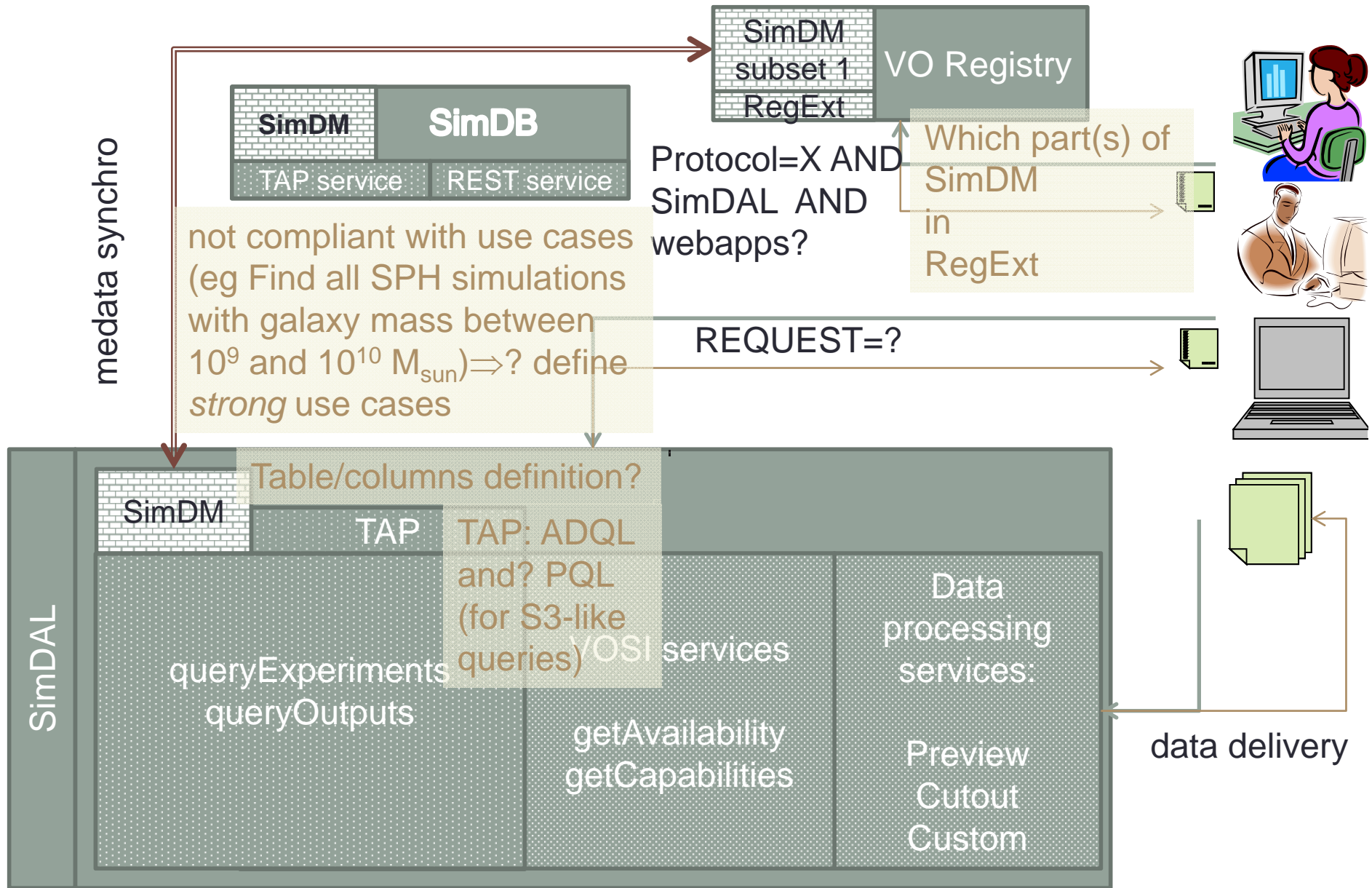
TAP: ADQL and?
PQL (for S3-like queries)

VOSI services
getAvailability
getCapabilities

Data processing services:

Preview
Cutout
Custom

Preview?
Cutout?





TAP in SimDAL proposals

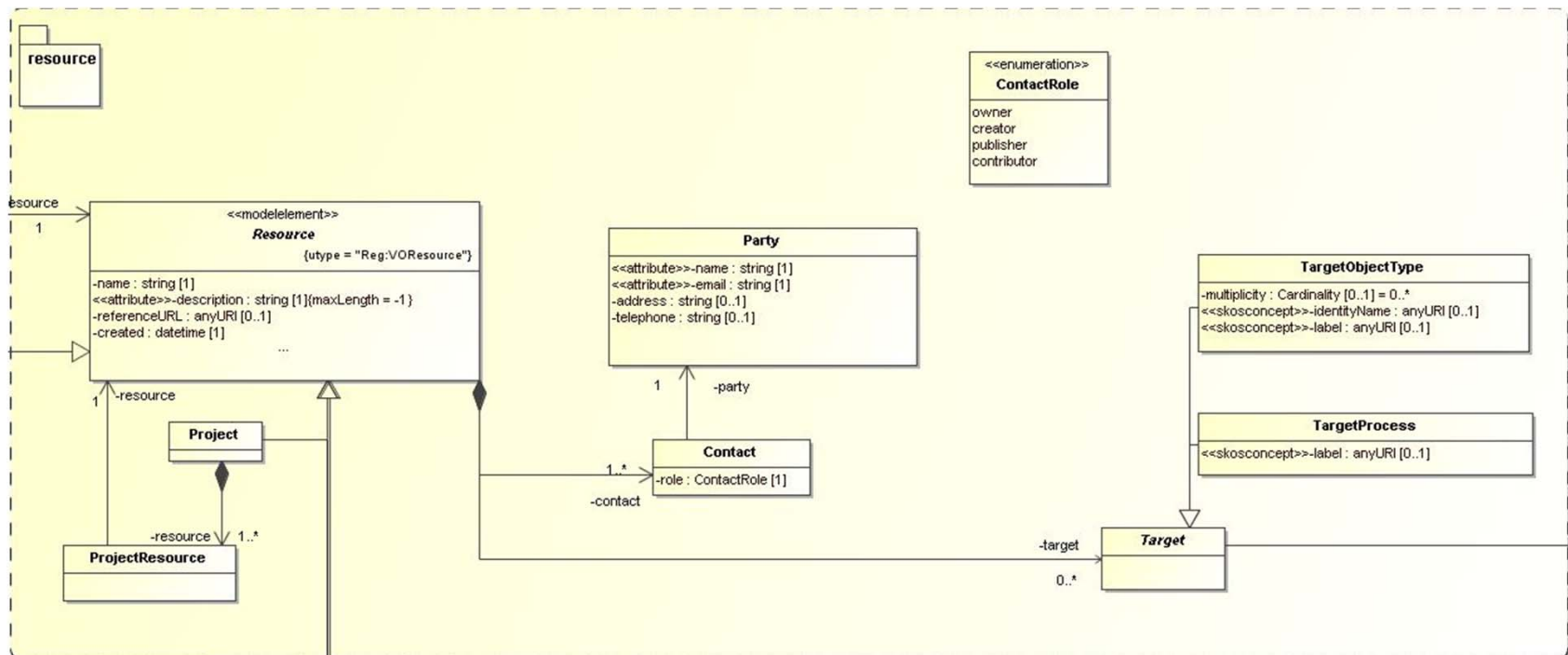
- create one SimTAP schema per Protocol (G. Lemson, Nara Dec'10)
 - each schema contains tables: 1 Experiment, ≥ 1 Product (OutputDataset) + ...
 - differences in columns \Rightarrow needs many SimTAP schema \Rightarrow let their definition outside SimDAL spec?
 - how to standardize SimTAP schemas alone ?
- specify 4 tables in TAP_SCHEMA.tables (Experiment + OutputDataset + 2 tables for mappings) allowing to discover almost 80% of use cases (D. Languignon, this meeting)
 - which ones are mandatory ?
 - TAP_SCHEMA.columns not specified apart from protocol_id, experiment_id
 - can we forget the remaining 20%?
- one SimDAL by Protocol, full TAP implementation + 2 (or more) mandatory Tables (names fixed by SimDAL : Experiments, OutputDatasets)
 - But a Project may contain several instances of Protocol



ISSUES WITH VO REGISTRY

Issues

- How much of SimDM in Registries (via RegExt)?
 - Are Registry clients able to make complex queries
 - No \Rightarrow SimDB proposal
 - Yes in case of SKOSConcepts use in Registries?
 - SimDM/resource seems mandatory



Issues

- How much of SimDM in Registries (via RegExt)?
 - Part of SimDM/protocol
 - Protocol = OK?
 - What about Physics and Algorithm?
 - What else?

