PLENARY CLOSING SESSION

2012 May 25

Theory Interest Group

Report

Two sessions:

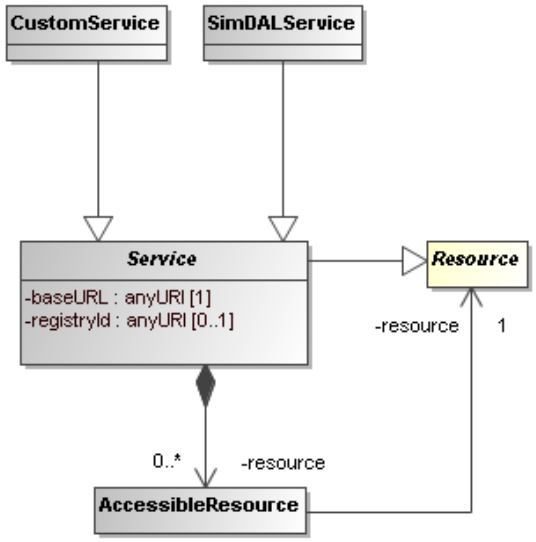
- Tuesday: mainly discussions/brainstorming that help to review / re-examine / evaluate the SimDAL proposal, its TAP implementation, the various options for TAP_SCHEMA, etc.
- Wednesday: common DAL/Theory/Registry session that has clarified
  - the efforts to be made
  - the directions that have to be followed.

Main agreements

- SimDAL (Simulation Data Access Layer):
  - Need to use the column 'ucd' in TAP_SCHEMA in order to store SKOSconcepts
  - Unclear need/no need to have a hierarchical grouping of Parameters
  - Strong interest in Datalink
  - Unclear need/no need to define a SimDALRegExt
  - Need to define the mapping SimDM <> SimDAL Tables/Columns or rules to name columns
  - Need to make queries as "give me all the SimDAL services dealing with 3D radiative transfer of ISM" for discovering the proper services; this cannot be handle at Registry level.
- Vocabularies:
  - Need to register VOcabularies in the Registry of references

Impacts on roadmap and other WGs

- Theory IG
  - Need for a DB ‘service’ containing very detailed informations on simulations (potentially full SimDM instances, TBC) ⇒ **SimDB proposal** to be brought back to life
  - Need to make SimDB a standard
  - Need to describe the mapping SimDM <> SimDAL DM ⇒ make explicit the Service class in SimDM ⇒ SimDM 1.1



- Application WG
  - Need to allow for SKOSconcept syntax in VOTable (UCD field): “ / “

Roadmap

SimDAL

- Led by: F. LePetit
- WD to be ready by next interop
- Test implementations to be modified during summer

SimDB

- Led by: G. Lemson
- WD to be started, date TBD
- (A note is already available since 2008)
- Current implementations have to be upgraded (all kind of simulations)

SimDM 1.1

- Lead by: G. Lemson
- Come up with SimDAL

SimDAL + SimDB

USERS

COMPUTERS

REC

InProgress

USER LAYER

Browser Based Apps | *Desktop Apps* | *Script Based Apps*

USING

REGISTRY

SimDB

UCD

Semantics

Vocabularies

VO Query Languages

STC

Utypes

VOUnits

VO CORE

Formats

VOTable

Data Models

SimDM

DATA ACCESS PROTOCOLS

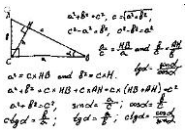
SimDAL

SHARING

Storage | *Data and Metadata Collection* | *Computation*

RESOURCE LAYER

PROVIDERS



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