PLENARY CLOSING SESSION

2011 October 21

Theory Interest Group

SimDM

USERS

COMPUTERS

REC

InProgress

USER LAYER

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

USING

REGISTRY

VO Query Languages

Utypes

Units

UCD

Semantics

Vocabularies

VO CORE

Data Models

Formats

VOTable

SimDM

DATA ACCESS

PROTOCOLS

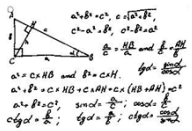
SimDAL

SHARING

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

RESOURCE LAYER

PROVIDERS



SimDM

- Monday (session 1):
  - Discussion on replies got during the RFC overtime
  - Minor changes in the appendix of the PR document
  - Ready for TCG review
- DM opened the TCG review yesterday
- End of TCG review: Nov 20th
- REC beginning 2012 ?

SimDAL

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REGISTR

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PQL

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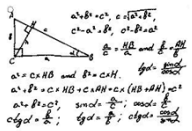

20110515
IVOA Architecture

SimDAL (1)

- Tuesday (session with DAL)
  - Status of various ideas on what the discovery part of SimDAL should be and its relationship with SimDB
  - Several important outcomes of the discussion:
    - TAP, being a self-describing protocol, is the easiest way to find out interesting Experiments and Results
    - we cannot fully specify the names of the columns
    - BUT: the SimDAL spec can specify the name of two mappings tables in TAP_SCHEMA.tables, allowing to
    - The name of the tables must be part of the SimDAL spec
    - One SimDAL service will be able to manage several Protocols
  - TAP/PQL also needed and promising trials (Pat)

SimDAL (2)

- Still to be worked out:
  - Preview, cutout : not so obvious even if they are not mandatory…
  - Download
  - File formats supported (no unique FITS format for simulations ☹)
- Action: update David's prototype

SimDAL roadmap

- From now to next interop
  - Progress on the WD
  - update David's prototype to check TAP implementation
- Beginning 2012: F2F meeting on SimDAL (date, location TBD)
- May 2012 (next interop)
  - Check David's prototype
  - Update WD accordingly

SimDB

- Theory services:
  - Numerous small services with many files setup by small research groups
  - AND
  - A few large services with huge simulations (e.g. numerical cosmology challenges)

- User requirement: find out the few good ‘providers’ with the minimum of queries and steps during the discovery phase.
- But: Registries are not sufficiently fine-grained ⇒ additional step in the discovery phase
- **SimDB = A DB of simulations metadata (SimDM) with a TAP interface for finding simulations of interest for the user**

SimDB roadmap

- SimDB relies on :
  - ✓SimDM ~ OK
  - ➢Which part of SimDM metadata must can go to Registries
    - ➢Depends on Registry capabilities
    - ➢Depends if a Registry TAP interface will allow for queries on SKOSConcept

- Next interop
  - Have to decide whether we push further SimDB
  - Depends strongly on the future of Registries
    - TAP interface on Registries
    - Queries on SKOSConcept ?
  - Joint Registry/Theory session?

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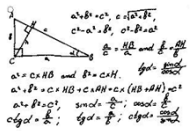

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