

# Theory Interest Group Summary

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May 29, 2009

- Presentations:
  - P. Manzato: ITVO (BaSTI, VisIVO servers, portals)
  - C. Rodrigo Blanco: S3 description, implementations (SVO, BaSTI, VObs.it, etc.)
  - R. Wagner on SimDAP, and proposal to merge SimDAP/S3
- Viewpoints: S3 + standard operations, SimDAP + rich description of custom operations
- Important to have single response format for theory data services
- Decision to try to merge, until incompatibilities are discovered.
- Custom operations will be described in service metadata
- Agreement to keep discussions on mailing list, to avoid confusion or exclusion.

- Presentation by R. Wagner on simulation catalog
- Discussion of data model contents (groupings and parent/child relations)
- Decision to split SimDB into two specs:
  - Data model
  - TAP extension
- G. Lemson and R. Wagner to finish summary Note before Summer
- Note to then be split into separate data model and service specs

# VOTable Presentation

Feedback on using nested RESOURCE to describe internal structure of theory data files using VOTable.

Comments:

- Nested RESOURCE elements would be more complex
- Requires understanding of context by VOTable tools
- Preferred method would be a flat list of RESOURCES with related tables

Follow Up: R. Wagner and C. Gheller will prototype some VOTables, and test with VisIVO.

# To Do List

- SimDB:
  - TAP async required for SimDB
  - REST+XML, vocabulary
  - VO-URP in spec
  - Need comments on simulation data model from TIG to finalize it
- SimDAP/S3
  - Standard operation
  - Description of custom operations
  - Response format
  - Prototype services to test using service description for interface generation
  - Needs to pick a name
- Registry harvesting using VOSI GetCapabilities is critical for SimDAP/S3