



# THEORY INTEREST GROUP

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Closing session

2010 December 11



## Simulation Data Model (SimDM) → DM WG

- Fine tuning of the model during the first session
  - all comments received so far have been discussed
  - may change a little after further discussions
- Note is being turned into WD
  - many editing issues (action: GL and HW)
  - homogeneous name: Simulation Data Model (also for filenames)
- Implementation note with more than two examples needed
  - examples of XML files
- Vocabularies almost ready (7 !)
  - One vocabulary by SKOS concept in the SimDM.

# SimDM Roadmap

- DM WG (and TIG) discussions until end of Dec
- RFC in Jan 2011
- TCG RFC in Feb 2011
- PR in March 2011
- REC in April 2011

ivoa.net / IvoaTheory / IVOA.IVOAThorySimDMspec

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- WebChanges
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- WebStatistics

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- IVOA
- Know
- Sandbox
- Twiki
- Trash
- Twiki intro
- Twiki tutorial
- User registration
- Notify me

**W/I GROUPS**

- Data Access
- Data Model
- GWS
- Query Language
- Registry
- Stds&Procs
- Semantics
- VOEvent
- VOTable
- Applications
- Astro-RG
- Data Curation
- Theory


### Simulation Data Model specification

This page collects all the URLs of the documents forming the specification of SimDB/DM, the so-called Simulation Data model. This specification being still in development, most URLs point to the Volute GoogleCode project at <http://code.google.com/p/volute/source/browse/trunk/projects/theory/snapdm/specification/>. But, as soon as SimDB/DM is recommended, it will contain all the files.

#### SimDM documents

File	Purpose	URLs
SimDB-DataModel.doc	Note explaining the genesis of the model and the philosophy of the main features	<a href="http://volute.googlecode.com/svn/trunk/projects/theory/snapdm/specification/SimDB-DataModel.doc">http://volute.googlecode.com/svn/trunk/projects/theory/snapdm/specification/SimDB-DataModel.doc</a>
SimDB-DataModel_Appendix.doc	Appendix of the Note	<a href="http://volute.googlecode.com/svn/trunk/projects/theory/snapdm/specification/SimDB-DataModel_Appendix.doc">http://volute.googlecode.com/svn/trunk/projects/theory/snapdm/specification/SimDB-DataModel_Appendix.doc</a>
SimDB.html	Specification of the model	<a href="http://volute.googlecode.com/svn/trunk/projects/theory/snapdm/specification/html/SimDB.html">http://volute.googlecode.com/svn/trunk/projects/theory/snapdm/specification/html/SimDB.html</a>
SimDB_DM.png	Graphic view of the whole model (large image)	<a href="http://volute.googlecode.com/svn/trunk/projects/theory/snapdm/specification/uml/SimDB_DM.png">http://volute.googlecode.com/svn/trunk/projects/theory/snapdm/specification/uml/SimDB_DM.png</a>
SimDB_DM.xml	MagicDraw UML diagram serialised to XMI	<a href="http://volute.googlecode.com/svn/trunk/projects/theory/snapdm/specification/uml/SimDB_DM.xml">http://volute.googlecode.com/svn/trunk/projects/theory/snapdm/specification/uml/SimDB_DM.xml</a>
SimDB_INTERMEDIATE.xml	Intermediate representation of the model: a (generated) XML document representing the complete model in more readable format than XMI	<a href="http://volute.googlecode.com/svn/trunk/projects/theory/snapdm/specification/uml/SimDB_INTERMEDIATE.xml">http://volute.googlecode.com/svn/trunk/projects/theory/snapdm/specification/uml/SimDB_INTERMEDIATE.xml</a>
intermediateModel.xsd	XML schema document for intermediate representation's XML format	<a href="http://volute.googlecode.com/svn/trunk/projects/theory/snapdm/specification/uml/intermediateModel.xsd">http://volute.googlecode.com/svn/trunk/projects/theory/snapdm/specification/uml/intermediateModel.xsd</a>
xsd/	XML schema documents (generated) representing mapping of UML to XSD	<a href="http://volute.googlecode.com/svn/trunk/projects/theory/snapdm/specification/xsd/">http://volute.googlecode.com/svn/trunk/projects/theory/snapdm/specification/xsd/</a>
NoteImplementationSimDB_3.pdf	Implementation Note (examples)	pdf file

-- HerveWozniak - 12 Nov 2010

Attachment	Action	Size	Date	Uploaded by	Comment
 NoteImplementationSimDB_3.pdf	manage	2284.0 K	09 Dec 2010 - 00:39	HerveWozniak	Implementation note

- <http://www.ivoa.net/cgi-bin/twiki/bin/view/IVOA/IVOAThorySimDMspec>



## Rest of the Sim\* family (common DAL/Reg/Th session)

- SimDAL
  - unique access to ‘theoretical’ data after Victoria Interop
  - start some discussions in **Theory/DAL/Registry session this week**
  - need additional work/discussions on several parts
    - “simple access” vs “TAP access” (both? MAY?)
    - a TAP interface needs specification of a “minimal” TAP\_SCHEMA
  - many other points not yet fully addressed:
    - should include VOSI services (near to REC)
    - define mandatory/optional services (download, cutout, preview, custom...)
    - sync/async access
- SimDB (Simulation Data Base)
  - resume work one SimDM is on the way to recommendation
  - note in preparation



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