



# PLENARY OPENING SESSION

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2010 December 7

Theory Interest Group

# Status

- Simulation Data Model (SimDM)
  - draft Note + implementation Note + WD specification documents
  - under **DM WG** responsibility now
  - discussion opened on both DM and Theory mailing list until end of Dec
  - <http://www.ivoa.net/cgi-bin/twiki/bin/view/IVOA/IVOAThorySimDMspec>

ivoa.net / IvoaTheory / IVOA.IVOAThorySimDMspec

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## SimDB/DM 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.

### SimDB/DM 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	MagiDraw 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>

-- HerveWozniak - 12 Nov 2010



# Status

- SimDAL
  - specification document in preparation for discussion with DAL WG
  - very first specification draft distributed to core members on Oct 19
  - discussions with **DAL this week**
- SimDB/Services
  - note in preparation
  - need close interactions w/ **Registry and DAL**
- Vocabularies
  - needed by Simulation Data Model
  - under auspices of **Semantics** (G. Norman)
  - 4 vocabularies (algorithms, physics, representationobjecttype, target)
    - in progress



# Goals and agenda

- DM:
  - discuss comments received on the mailing lists
  - present the model in DM WG session
- vocabularies development and demo
  - Theory-1:Simulation Data Model and Semantics
    - Wednesday 8, 14:00-15:30, Room 3
  - DM-1: Thursday 9, 09:00-10:30, Room 3
    - G. Lemson, Simulation Data Model
- DAL/Registry :
  - discuss SimDAL and SimDB features
  - Theory-DAL-Registry common session
    - Friday 10, 16:00-17:30, Room 4 (check website)