Data models WG summary - Strasbourg Interop 2009 – M. Louys

Here is a list of the various work packages developed in the DM WG.
The very right column lists our expectations for this meeting.
Apologies for A. Richards, J. Mc Dowell, J. Santander who cannot attend.

WP Name	Goal	Domain	People Involved	Wish list for this meeting
Specifications				
Spectral Lines Data Models	Emission/ absorption lines in all wavelength-calibrated spectral data	Simple Spectral Line DM (observation) Atomic and Molecular physics (wide scope)	P.Osuna , Salgado /ESAC ML.Dubernet / Obs Paris	Discuss and validate The SSL data model. Discuss articulation with new EU project VAMDC.
Observation Provenance Characterisation	- Define metadata for advanced signal interpretation. -Provenance of an observation - Describe complex observations	Variability, sensitivity (visibility data , polarimetry)	F. Bonnarel / CDS Igor Chilingarian/Lerma Anita Richards/JB	Discuss schema update for Observation and Characterisation level4. Polarization draft to circulate
Photometry	Define a model for photometry calibration	Observations	P.Osuna, J.Salgado	Discuss scope and DM structure for re-usability
SimDB *from Theory IG*	Model metadata for numerical simulations	Theoretical data	G. Lemson / MPE	Presentation and validation within DM WG
Management		Description		
From UML to serialisation *Input from Theory IG*	define an automated process to produce DM products from UML: XML schema, utypes, data base bindings, documentation .	Rationalise and improve methods	Gerard Lemson, L. Bourges M.Louys	Endorse the process of Utypes generation. Road map for testing with Observation DM.
STC	Improve models uptake	Tutorials , on line doc	A.Rots/CFA	Presentation and discussion of STC Java library
Units	Define string syntax for VO context	Usage summary and 1st proposal for syntax rules	A.Richards…	Discuss preliminary draft v.0.2
Utypes syntax	Examine and define how to encode Utypes	Preliminary draft for Utype definition.	M.Louys	Discuss preliminary draft v.0.3
Utypes for STC	STC re-use for tabular data	Utypes serialization for re-use in other DM	?	Discuss how to publish STC re-usable Utypes