

Fifth Euro-VO Technology Forum

WP6



Theory into the VO

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Summary of WP6-Theory



The following points are in phase of developing:

- during IVOA Garching Interop. November 2009:
 - move toward integration and homogenization of SimDB-TAP and other protocols (in particular S3);
 - Get to a conclusive version of the Simulation Data Model (SimDM) after two implementations of the model;
 - Get to a conclusive version of the Simulation Data Access Protocol (SimDAP). Specific subject of discussion: generalization, representation of results.
 - SVO developed the First Data Model for astroseismology data:
<http://svo.cab.inta-csic.es/theory/sisms3/concepts.php>
 - 17 star global properties.
 - 44 star shell variables.
 - 35 seismic properties.

Summary of WP6-Theory



- VisIVODesktop and VisIVOServer move to a more stable version before be SAMPifing;
- Currently INAF is tuning a scientific use case for Comparing BaSTI evolutionary star model simulations with observational data (presented at Garching Interop. meeting 2009);
- Inside the evolutionary stellar model BaSTI DB is included two new photometric systems:
 - **WCF2 HST** (*Wide Field Planetary Camera 2 system - on board of Hubble Space Telescope*);
 - **WCF3 (UVIS) HST** (*Wide Field Camera 3 (UVIS) system - on board of Hubble Space Telescope*);
 - soon will be add White Dwarf (WD) evolutionary models;