



Interoperability of the analysis tools within the IMPEX project

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The growing amount of data in planetary sciences requires adequate tools for visualisation enabling in depth analysis. Within the FP7 IMPEX infrastructure data will originate from heterogeneous sources : large observational databases (CDAWeb, AMDA at CDPP, ...), simulation databases for hybrid and MHD codes (FMI, LATMOS), planetary magnetic field models database and online services (SINP). Together with the common "time series" visualisation functionality for both in-situ and modeled data (provided by AMDA and CLWeb tools), IMPEX will also provide immersion capabilities into the complex 3D data originating from models (provided by 3DView). The functionalities of these tools will be described. The emphasis will be put on how these tools 1/ can share information (for instance Time Tables or user composed parameters) and 2/ be operated synchronously via dynamic connections based on Virtual Observatory standards.