

Recent science developments of the French Plasma Physics Data Centre (CDPP)

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The French Plasma Physics Data Centre (CDPP, <http://www.cdpp.eu/>) addresses for nearly 20 years all issues pertaining to natural plasma data distribution and valorization. Initially established by CNES and CNRS on the ground of a solid data archive, CDPP activities diversified with the advent of broader networks and interoperability standards, and through fruitful collaborations (e.g. with NASA/PDS): providing access to remote data, designing and building science driven analysis tools then became at the forefront of CDPP development. Today the CDPP tool AMDA helps scientists all over the world accessing and analyzing data from ancient to very recent missions (from Voyager, Galileo, Giotto, ... to Maven, Rosetta, MMS, ...) as well as results from models and numerical simulations. Other tools like the Propagation Tool or 3DView allow users to put their data in context and interconnect with other databases (CDAWeb, MEDOC) and tools (Topcat). This presentation will briefly review this evolution and demonstrate technical and science use cases. The presentation will ultimately show how CDPP activities will serve future missions (BepiColombo, Solar Orbiter, THOR, ...).

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