

## Interoperability of the CDPP tools and databases through the EPN-TAP protocol

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### Abstract

The French Plasma Physics Data Center (CDPP, <http://cdpp.eu>) distributes and valorizes natural plasma data for nearly 20 years. The CDPP is involved for many years in the definition and implementation of interoperability standards like SPASE, IVOA and IPDA. In the frame of the VESPA work package of EuroPlaNet RI (H2020), the CDPP has developed an EPN-TAP compatible server, using the DaCHS software distribution, which provides observational time series from the AMDA database, illumination maps from the 67P comets, as well as simulation results from the IPIM model. These services are available through the VESPA portal (<http://vespa.obspm.fr>). EPN-TAP compatible interfaces were also added in AMDA (<http://amda.cdpp.eu>), 3DView (<http://3dview.cdpp.eu>) and the PropagationTool (<http://propagationtool.cdpp.eu/>). These interfaces, also called “EPN-TAP clients” are freely available in Java and Javascript. The Java implementation is used by 3DView, the Propagation Tool and Cassis (<http://cassis.irap.omp.eu>), a free interactive spectrum analyser developed by IRAP, whereas the Javascript version is used by AMDA.

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### References

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