



Sharing Planetary Radio Emission Dataset in the Virtual Observatory

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In the double frame of the preparation of the ESA-led JUICE mission and the development of a planetary sciences virtual observatory (VO), we are proposing a new set of tools directed to data providers as well as users, in order to ease data sharing and discovery. We will focus on ground based planetary radio observations (thus mainly Jupiter radio emissions), trying for instance to enhance the temporal coverage of jovian decametric emission.

The data service we will be using is EPN-TAP, a planetary science data access protocol developed by Europlanet/IDIS (Integrated and Distributed Information Service). This protocol is derived from IVOA (International Virtual Observatory Alliance) standards. The Jupiter Routine Observations from the Nançay Decameter Array are already shared on the planetary science VO using this protocol.

We will first introduce the VO tools and concepts of interest for the planetary radioastronomy community. We will then present the various data formats now used for such data services, as well as their associated metadata. We will finally show various prototypical tools that make use of this shared datasets.