ARTEMIX/YAFITS

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Abstract

The advent of ALMA and the upgrades of IRAM/NOEMA have more widely shown the strength and the great potential of mm and submm astronomy. The upcoming SKA telescope will shed a new light on the cm window, as already demonstrated by its pathfinders, ie LOFAR or NenuFAR. Radio-Astronomy is thus living a new golden-age, with data non longer restricted to expert users and massive amounts of observations are available to the community.

In this talk, I will focus on a pilot project which goal is to ease the best use of 2D and 3D archival data. Recent studies have shown that up to 36% of ESO publications are based on totally on partially non-PI data which emphasises the importance, if necessary, of datamining. The *ARTEMIX* (ALMA RemoTe MIning eXperiment) is a web service that provides a graphical query interface to ALMA science data. It is plugged to an interoperable remote 2D/3D FITS quick-look viewer. ARTEMIX/YAFITS demonstrates the strength of remote tools (client-server based) accessible from a simple web-browser for rapid navigation/selection and data inspection.

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