

Radio astronomy interest group closing remarks



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Radio astronomy sessions ?



Radio astronomy sessions :

**STACK
OVERFLOW !!!**



Radio astronomy sessions :

- 2 main sessions
 - } Radio IG Tuesday 25th 2200 UTC
 - } DAL/radio Friday 28th 500 UTC
- + One talk in DAL/DM
- Total amount of 10 presentations
- Thanks DAL and DM chairs/vice-chairs for having hosted us !!!



Operating VO services

- VO implementation at JIVE : ObsTAP for visibility data, pulsar data, etc..
 - uv-plane characterization study with Astron
- Fast Radio Bursts in the VO (Astron)
 - Apertif FRB catalogs in the TAP service
- LOFAR and APERTIF VO services (catalogs , images) at Astron in action (H. Heintz)
- Radio Astronomy projects in the Spanish VO
 - SiO Maser catalog in SVOcat service, MADCUBA project with datacubes



Data archives on the way to VO

- Single dish radio data in the VO and SDFITS
 - Still active field :a lot of archives/telescopes
 - SDFITS format : completion and promotion as a standard in VO services
- The Arecibo Observatory Archives: A 305m wide data management effort
 - Arecibo telescope failure strong motivation for distributing huge amounts of legacy data
 - VO interfacing under study



Standardization projects

- TFCat - Time-Frequency Catalogue
 - Drawing features contours on dynamical spectra
 - No actual VO standard currently fits. Idea is to propose a TFCat model
- Study of provenance data for the SKA Science Data processor
 - Workflows and processing to trace
 - Various specs checked against project requirements including IVOA prov DM
- Radio data and interferometry ObsCore extension proposal
 - New ObsCore-like attributes proposed
 - Draft spec to be proposed soon



Implementation Note

- First draft note published a week ago
- Still missing working services and work in progress description → please send us
- Push onto github next week for issues/PR
- To be completed by the fall interop

