Radioastronomy interest group

conclusion plenary

F.Bonnarel (CDS) - M.Kettenis (JIVE)



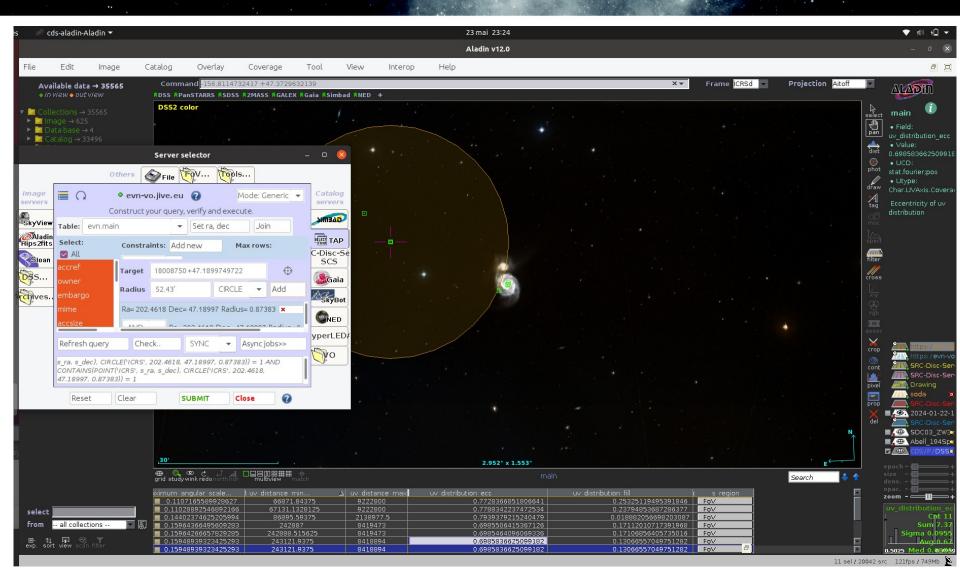
CSP session: radio astronomy special giant projects

- DSA-2000 (Gregory Dubois-Felsmann)
 - •2000 5M dishes, peta bytes of data to store, visibilities kept
- ASKAP, CASDA et al (Min Huynh)
 - •25 TB a day of processed data. Raw data kept. Vo services
- •SKA, SRCnet (Jesus Salgado)
 - •Peta bytes of prcessed data per day . TB of processed data per day ; Science paltforms. SRCnet. VO inside
- •Pannel discussion + radio IG :
 - Interest for ObsCore + extension
 - •DataLink + HIPS + SODA + TAP
 - Tackling huge datasets issue :
 - Code to the data? Platforms? Notebooks
 - •SODA?
 - Cube HiPS

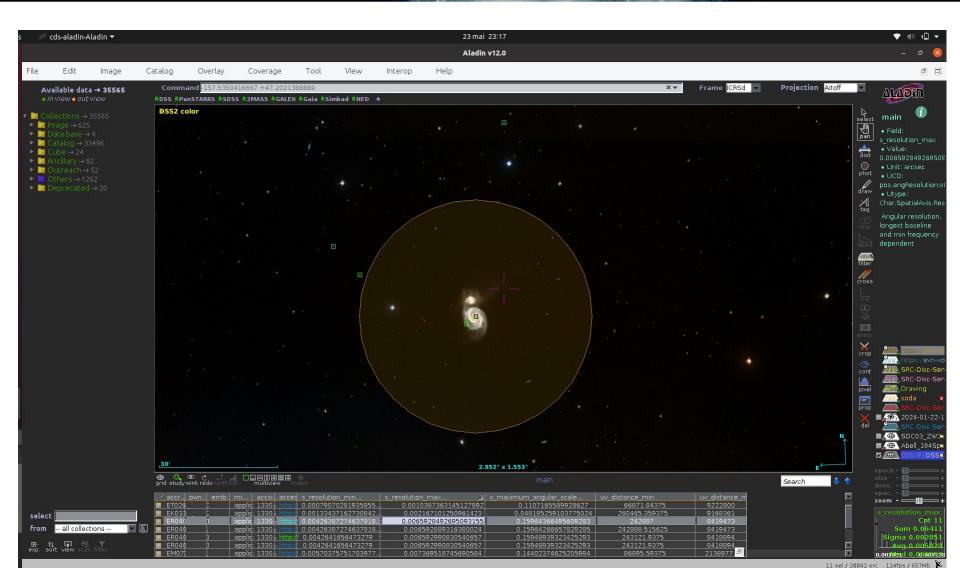
Radio IG presentations during this interop

- Session: Tuesday Mays 21st 4:00PM-5:30PM
 - ObsCore extension for radio data
 - CDS demonstrating prototype (in the context of SRCnet work)
 - JIVE reference implementation
 - Is on line !!! (see next slides)
 - Has min/max on s_fov and s_resolution, and f_resolution but no f_min/f_max
 - has the 4 uv plane characterisation parameters
 - Instrumental parameters not there at the moment
 - CASDA (James) made a check on new parameters:
 - Resolution min/max and scale are missing as well as uv characterisation
 - Instrumental parameters : are they general enough (or only for a telescope)
 - Few are there

European VLBI network (JIVE) ObsCore + extension service!



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Radio IG presentations during this interop

- Session: Tuesday Mays 21st 4:00PM-5:30PM
 - Remaining issues:
 - science cases, resolution and fov min/max are there as well as uv characterisation and maximum scale
 - Still open on instrumental parameters : could be useful for quality of data but need more use cases
 - Need for sensitivity
 - spectral quantity: (f min/f max)
 - Many people want to drop that due to danger of error in conversion
 - Showing and querying frequencies is a job for client (or udf?)
 - How to discover that and how to manage several extensions
 - Several Extension tables in the same schema with ObsCore-main. Foreign key / primary key provided
 - Set the standard on the schema
 - Join tables MAY be computed (but not mandatory)
 - Define profiles ?

Radio astronomy in the VO: other stuff

• Apps-monday 4 PM), M.Baumann: Feedbacks on the

implementation of VO standards for Aladin Lite in the frame of SKA

- HiPS selection by domain
- Interface to ObsCore, DataLink, SODA
- Dataset FOV overlay
- Support for acces to « cube HiPS » (on the fly cube HiPS)
- Lobby discussion (FB+ Pat Dowler):
 - how to map the Radio extension parameters onto CAOM
- How to hook the ObsCore extensions in the IVOA DM landscape
- Little progress made in follow up discussion for Pulsar radio data discovery.

That was my last presentation at Interop

But not the first one ..

- I gave a total of presentations in 22 years
- From 45 Interop so far I missed only two
 - 2nd one in Baltimore and 6th in Pune (2004)
- TCG member during 9 years only (in two periods)
- I was there at the Garching bei Munchen kick off meeting
- So, it was really important in my life to work with you

IVOA: a human and scientific adventure

- Science need sharing data
- If you share data and knowledge, you don't lose anything.
 Everybody get richer!
- New knowledge or new data are not additive.
 - It's a multiplication, because you reduce ignorance:
 - you suddenly suppres a large amount of false paths in the possible solutions to your problems.
- To share data you have to share ideas, collaborate, organize collective life. I liked this.
- That was great! Thank you all.