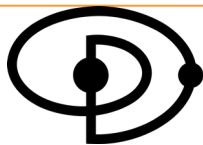




Evolution on spatial search using MOC

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Moc in EPN-TAP

Coverage is a separate parameter that appear together with s_region and use MOC 2.0.

First prototype

- 1) Start with the classic selection criteria for metadata.
- 2) Use a designated area on the planet to define the area of interest.

Use Mocpy to select the results

Limited to 10,000 results on the first selection due to processing time.

<https://voparis-explore.obspm.fr>



Improve moc selection

Make a binary MOC for each data collection

Make union of all the binaries MOC

Use of CDS library Mocset for intersection.

Almost real time for 800 000 MOC on Mars !!

Change in selection strategy for data selection.

I can be the base for selection

Use of classical criterion for selection



Demo

<http://voparis-elasticsearch.obspm.fr/dev3>

<https://padc-findme.obspm.fr>



Next step

<https://padc-findme.obspm.fr>

Use the Spatial selection to MOC inside the very last version of Aladin Lite