

Searching and selecting GHRSSST data with Opensearch

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Opensearch

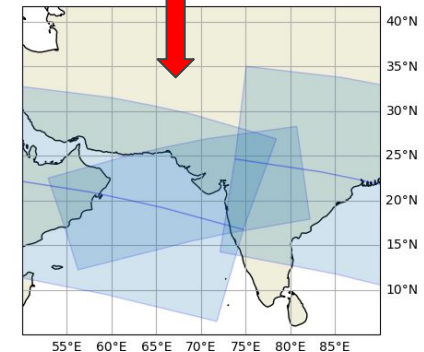
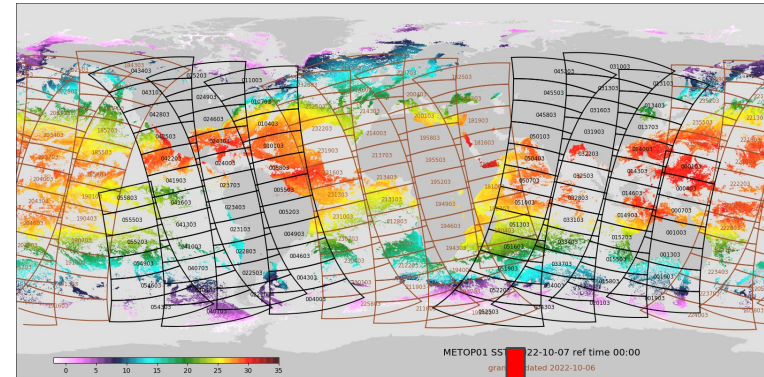
goal: selecting the relevant files intersecting
an area and period of interest

as a web service

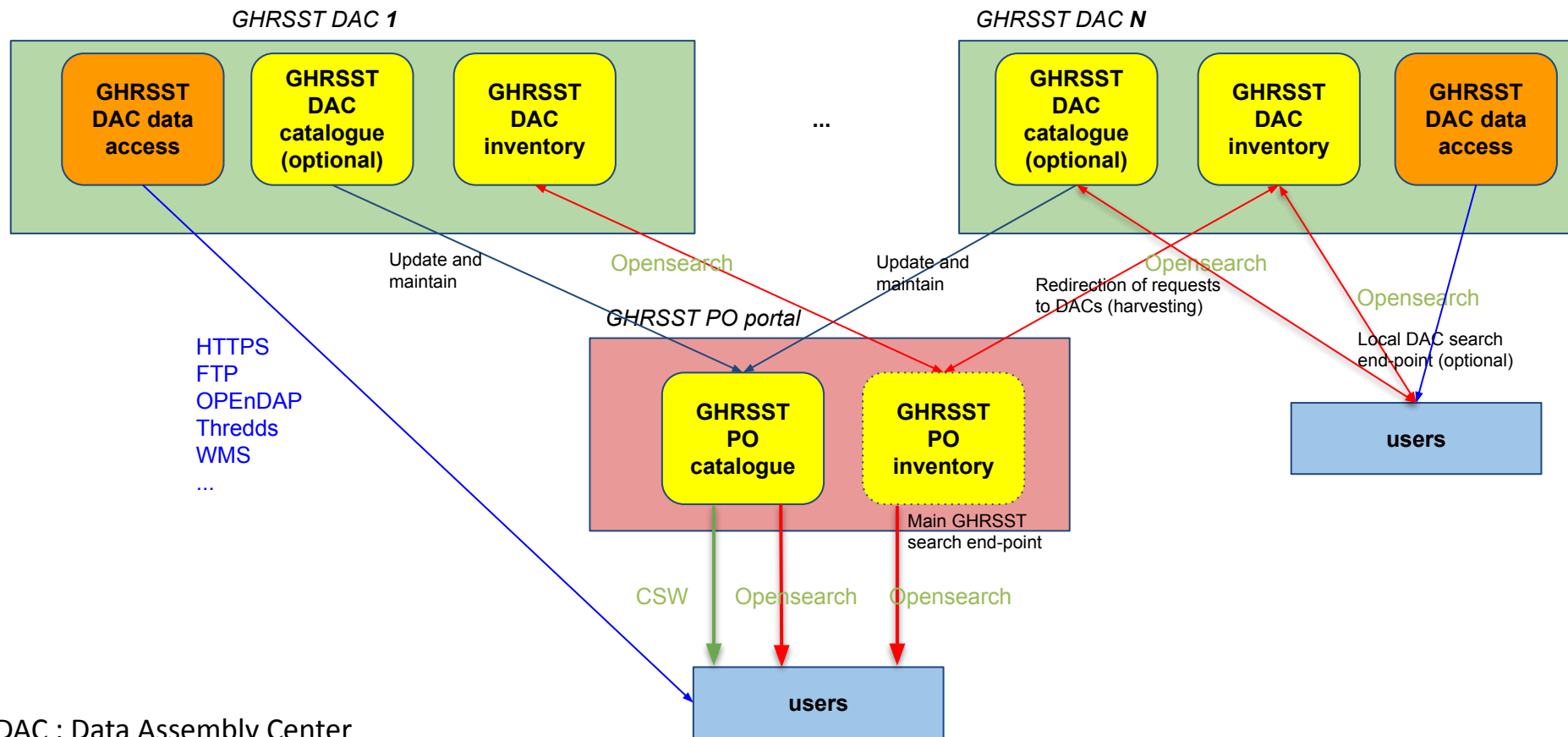
opensearch is a standard for search over
the internet

supported by many space agencies for their
product selection

selected by GHRSSST as common protocol
for each *data assembly center* (DAC)



GHRSSST R/G TS evolved data discovery, search and access system



GHRSSST central Opensearch end-point

https://opensearch-ghrsst.ifremer.fr/granules.raw?datasetId=AVHRR_SST_METOP_B-OSISAF-L2P-v1.0&startPage=0&count=100&timeStart=2020-01-01T00:00:00Z&timeEnd=2020-01-01T23:59:59Z&geoBox=-180.0,-90.0,180.0,90.0

- No assumption on where the data are served (in this example both at PO.DAAC and Ifremer)
- Single access point for users, unique syntax and response format
- Results from all DACs are returned at once
- results as XML or JSON

Tutorial



<https://github.com/GHRSSST/ghrsst-opensearch/>