

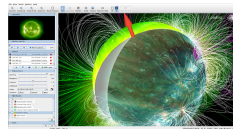
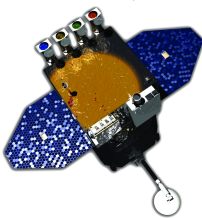
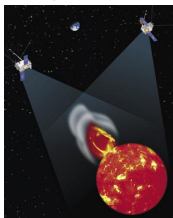
# *Space solar physics data and VO services at MEDOC*

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IHDEA meeting  
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- ▶ *Data archive and redistribution*: SoHO, STEREO/SECCHI, PICARD, SDO/AIA (1min), SDO/HMI (12min-cadence series)... about 600TB.
- ▶ *Processed and value-added data*: maps, model results, catalogues...
- ▶ *Tools for analysis and interpretation*: visualization (HelioViewer), numerical codes...
- ▶ *Operations*: SoHO/GOLF, Solar Orbiter/SPICE.



- ▶ CNES SiTools2: web interface + REST API; SiTools2 includes SIAP and ConeSearch.
- ▶ But *our solar data discovery+access not to VO standards*.
- ▶ Decision to *publish derived data* produced by MEDOC with *EPN-TAP*.

# EPN-TAP status at MEDOC (solar data)

- ▶ *DaCHS* server (now v2), also used by other services from other local teams (e.g. Mars Express/OMEGA)
- ▶ Dataset published using *CustomGrammar*: GAIA-DEM maps (+ in development: EUV synoptic maps).
- ▶ But updates would require daily re-ingestion of the database (10yr)
  - we are *trying to use OdbcGrammar*. for direct use of the underlying database
- ▶ Outlook: have the service available in *VESPA* and the *VSO*.

Enter a TAP service URL or a keyword

Tap Modes

- idoc-tap
- tap\_schema
- omega\_maps
- omega\_cubes
- gaia\_dem
- epn\_core
- Goodies (not used y)

idoc-tap>gaia\_dem>epn\_core>gLIVNb

Show 5 entries Showing 1 to 5 of 100 entries

time_min	measurement_type	access_url	file_name	thumbnail_url
2458529.5	phys.emissMeasure		DEM_aia_2019-02-15T00_0 ...	
2458529.5	phys.temperature.electr ...		DEM_aia_2019-02-15T00_0 ...	
2458529.5	phys.temperature.electr ...		DEM_aia_2019-02-15T00_0 ...	
2458529.5	stat.fit.chi2		DEM_aia_2019-02-15T00_0 ...	
2458529.5	phys.emissMeasure		DEM_aia_2019-02-15T00_3 ...	

Hide query

SUBMIT

Select What Where Position Plain Text Query Job Control

```
SELECT TOP 100 time_min, measurement_type, access_url, file_name, thumbnail_url
FROM gaia_dem.epn_core
```

Result Limit 100

Widgets do not reflect the query anymore after you modified it directly