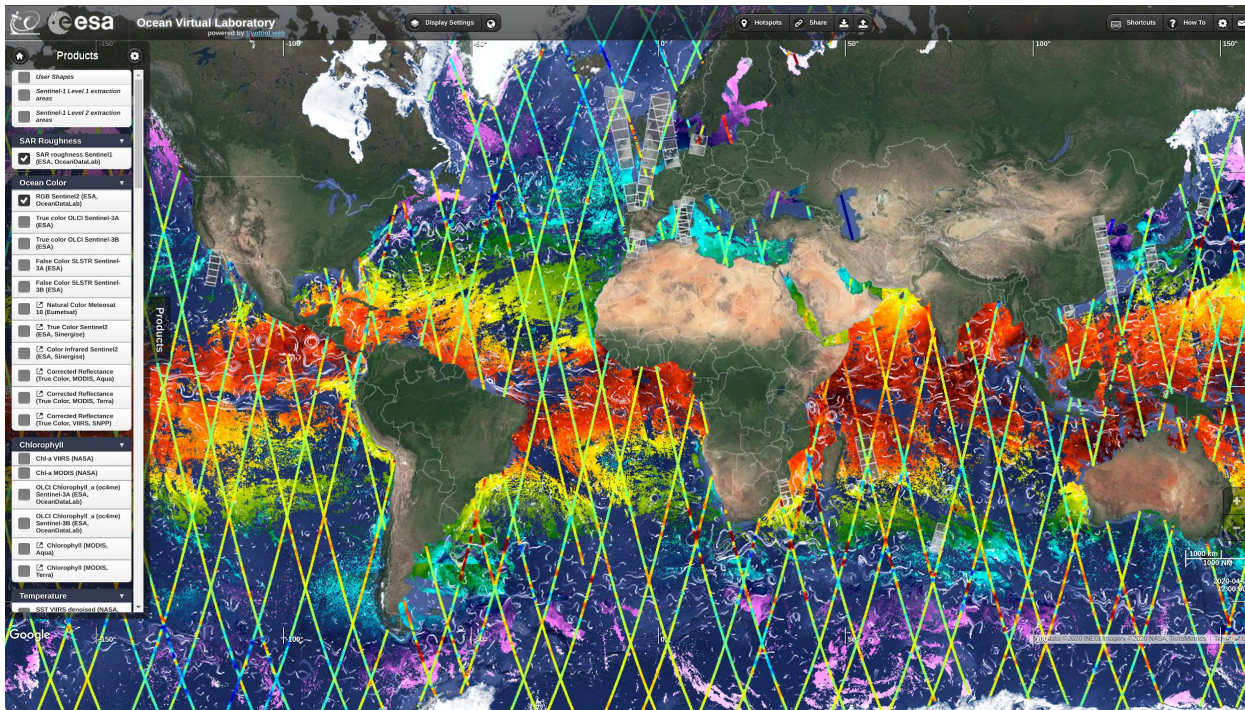


Wave spectra interactive lecture

OceanDataLab team

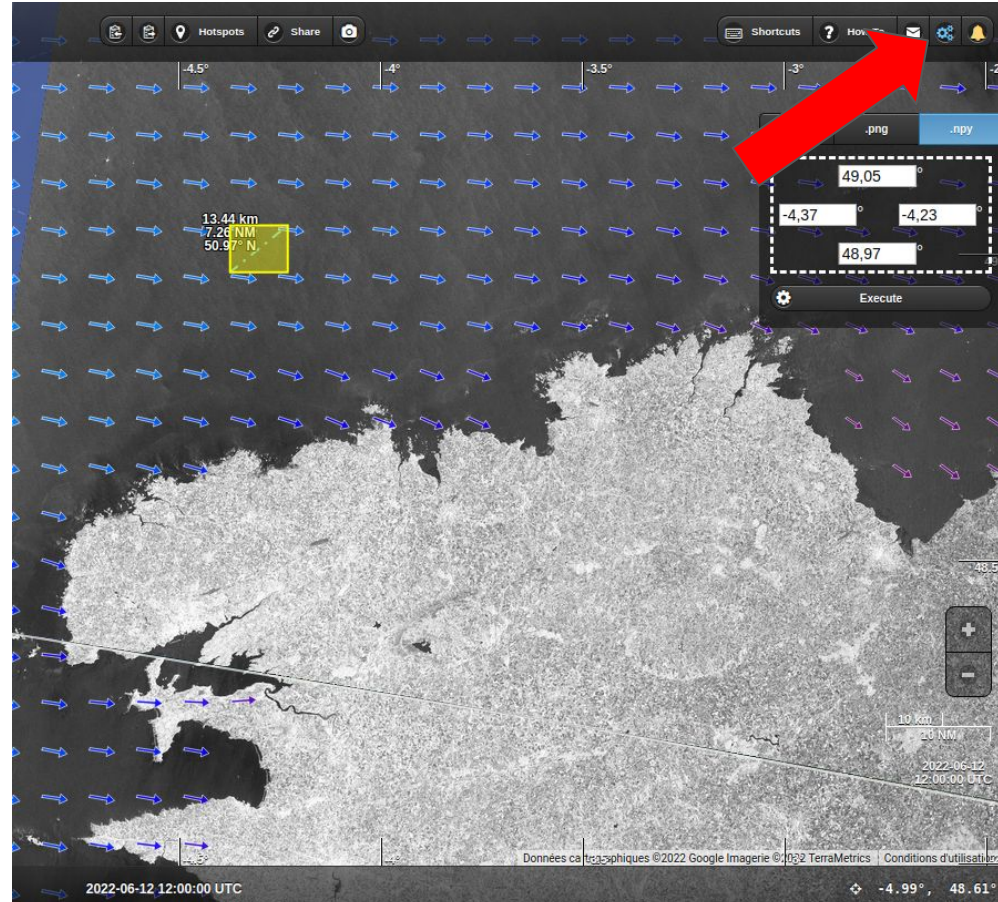
Brest, 2022/06/14



Extract SAR sea surface roughness

Pickle extraction for analysis with Python

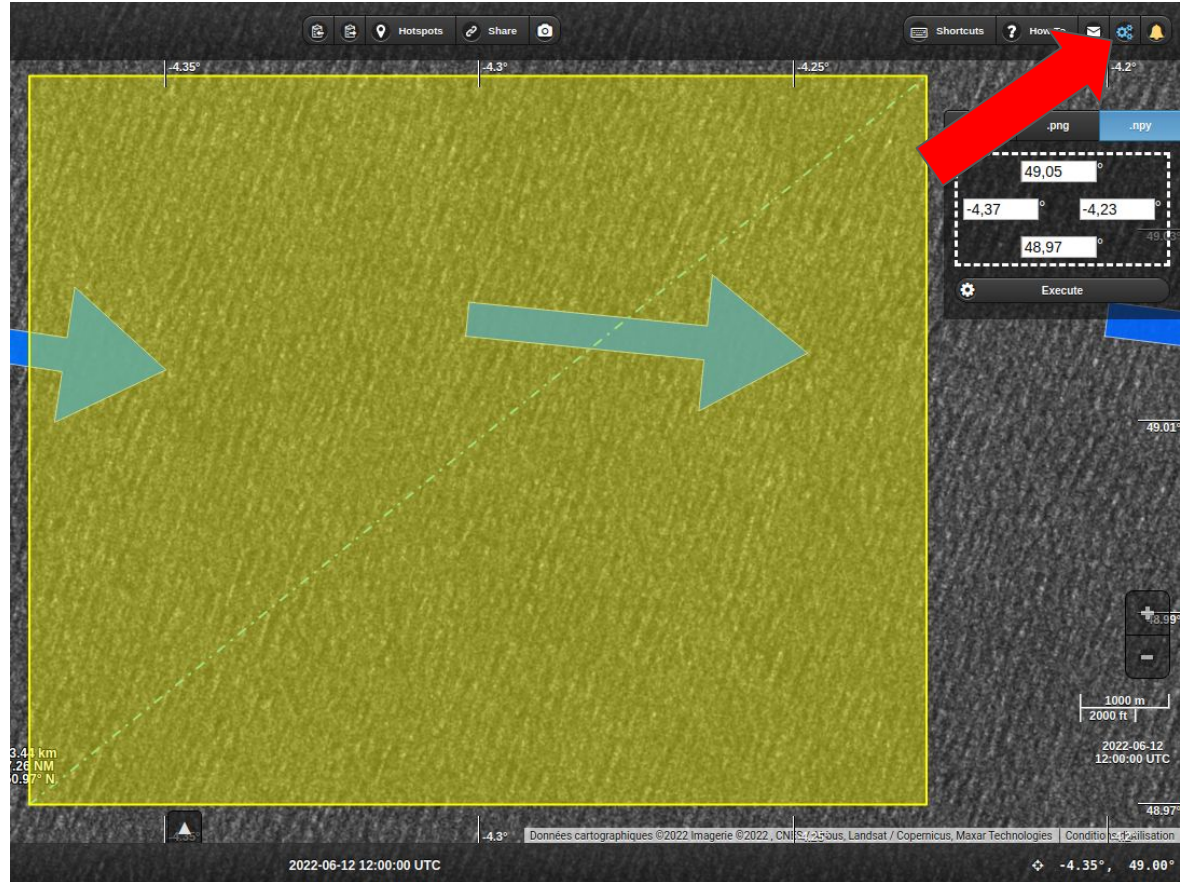
1. Select Sentinel-1 sea surface roughness product
2. Clic on the wheels to show the processing tool Panel
3. Clic on .npy
4. Shift+Clic to select an area to extract
5. Clic on Execute



Extract SAR sea surface roughness

Pickle extraction for analysis with Python

1. Select Sentinel-1 sea surface roughness product
2. Clic on the wheels to show the processing tool Panel
3. Clic on .npy
4. Shift+Clic to select an area to extract
5. Clic on Execute



Extract SAR sea surface roughness

Pickle extraction for analysis with Python

1. Select Sentinel-1 sea surface roughness product
2. Clic on the wheels to show the processing tool Panel
3. Clic on .npy
4. Shift+Clic to select an area to extract
5. Clic on Execute

The screenshot shows the OVL online tool interface. The main map displays a SAR sea surface roughness product. A yellow rectangular selection box is overlaid on the map, indicating the area to be extracted. A red arrow points to the 'Execute' button in the processing panel on the right. The processing panel shows the selected area coordinates: 49.05, -4.37, -4.23, and 48.97. The status bar at the bottom shows the extraction result: POLYGON((-4.3715 48.9699,-4.2287 48.9699,-4.2287 49.0459,-4.3715 49.0459,-4.3715 48.9699)) and a file path: 3857_Sentinel-1A_SAR_roughness-s1a-iw-grd-vv-20220612t062411-20220612t062436-043626-053561... The status bar also shows the date and time: 2022-06-12 12:00:00 UTC.

Extract SAR sea surface roughness

Download and launch following python notebook :

https://ftp.odl.bzh/odl/events/ovl_workshop_2022/

S1_spectra_from_syntool.ipynb

Extract Sentinel2 brightness

1. Download and launch following python notebook :

https://ftp.odl.bzh/odl/events/ovl_workshop_2022/S2_swell_2022.ipynb

2. Add Sentinel2 data in seascope directory
3. Launch SEAScope and select Sentinel2 red and blue channels
4. draw a rectangular polygon over the Sentinel 2 images
5. Extract the Sentinel2 data within the polygon
6. Start the S2_swell_2022.ipynb notebook

Contacting us

About the OVL online portal (based on Syntool)

Website: <https://ovl.oceandatalab.com>

By email: syntool@oceandatalab.com

Forum: <https://forum.oceandatalab.com/syntool>

We need you to help improve the tools for the whole community...

Feedback always welcome !

wifi name : invite

Login: oceanix Pass: 8nbqvnfzAzamjmp

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