How to Access Sentinel Data from Copernicus Open Access Hub



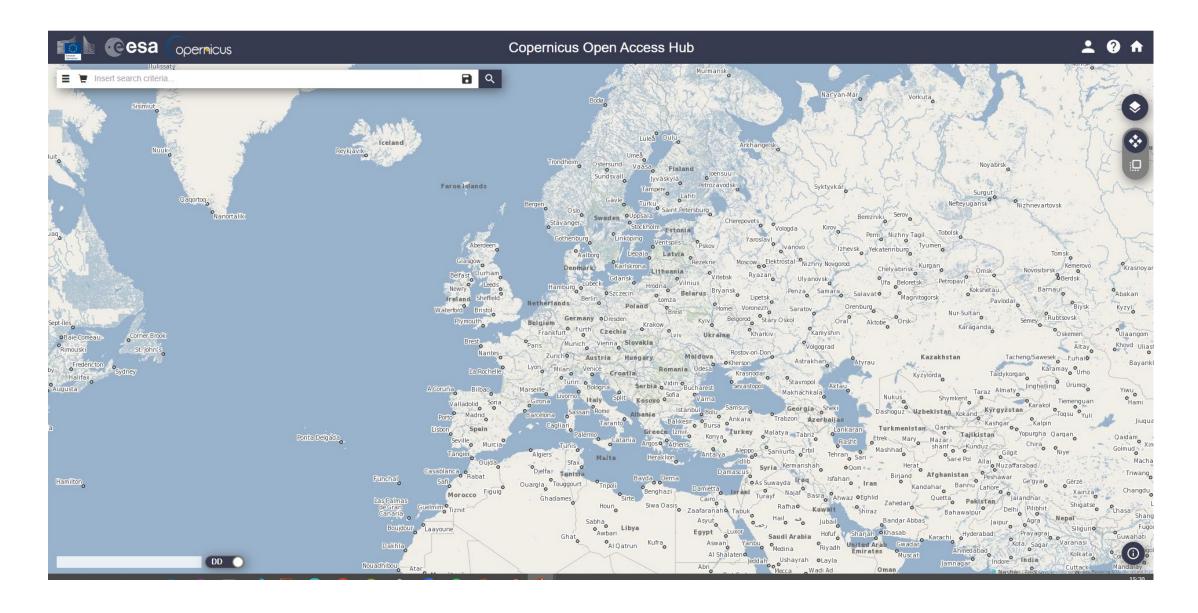




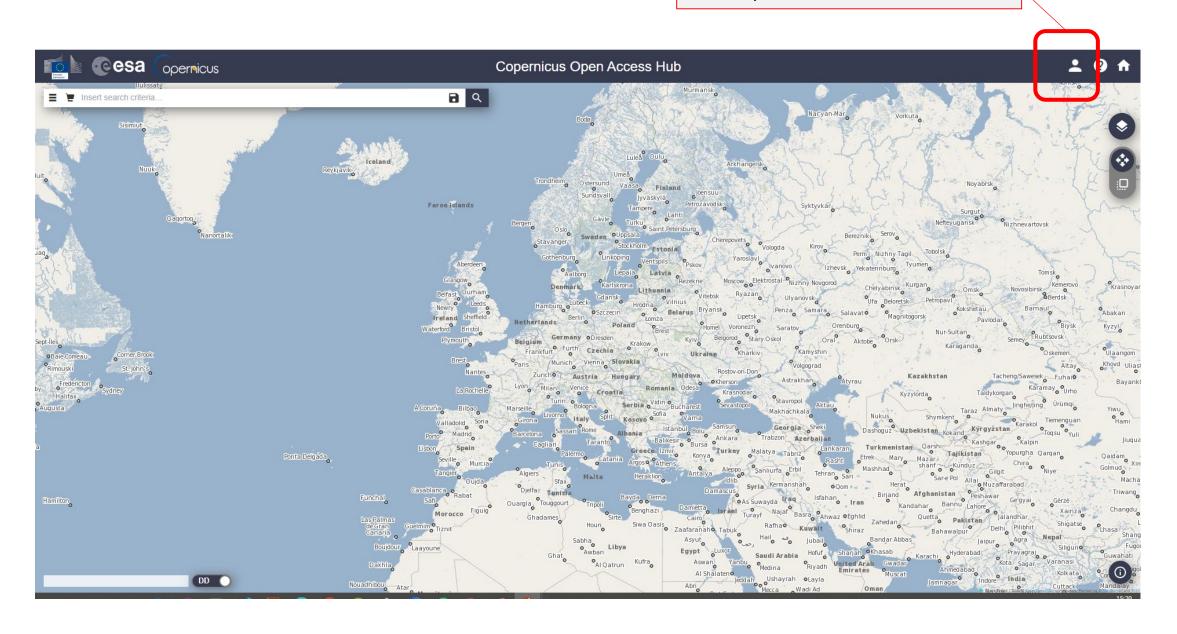
Multispectral (e.g. Optical)



Access: https://scihub.copernicus.eu/dhus/#/home

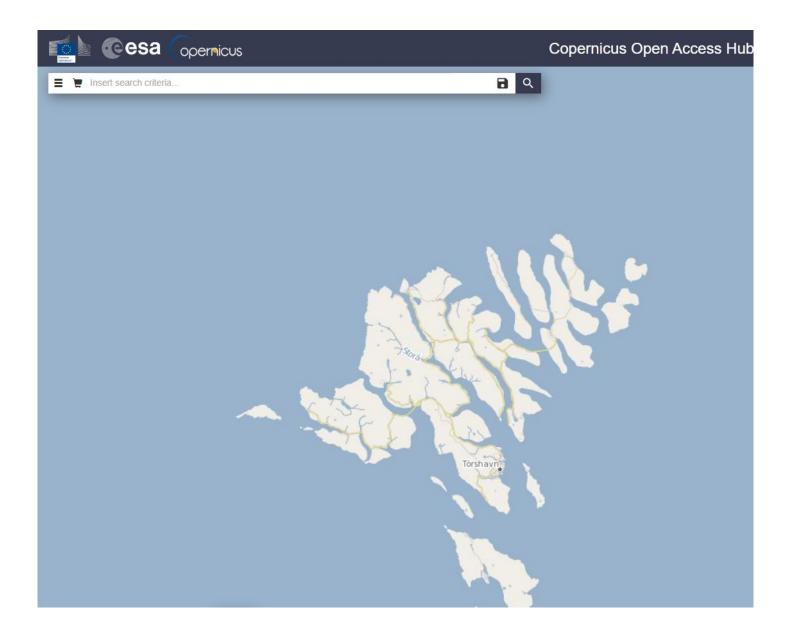


LOGIN / CREATE AN ACCOUNT

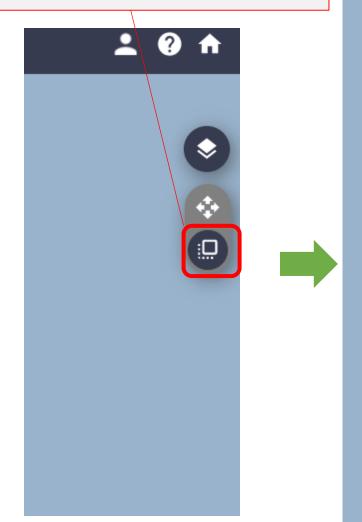


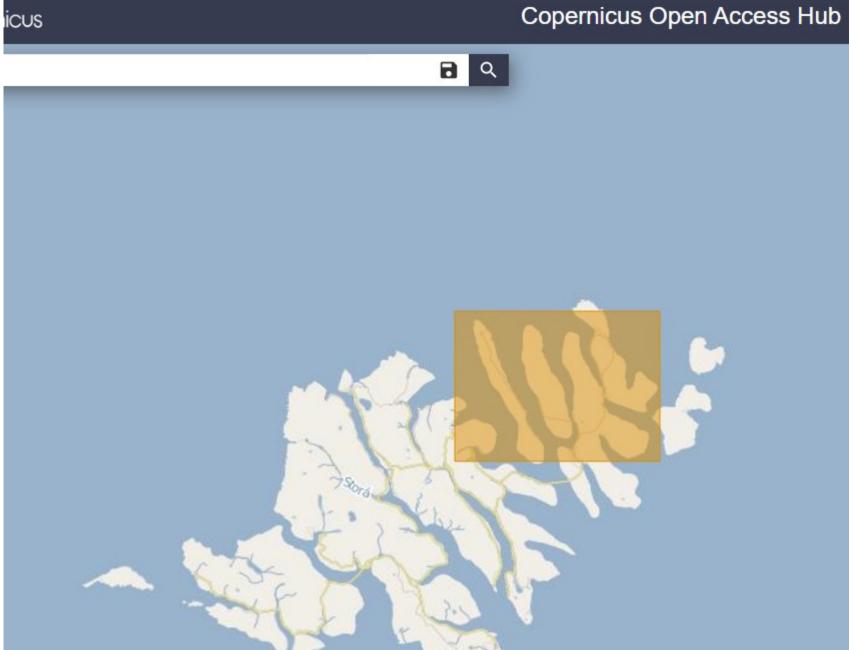
Select 'Navigation Mode.'
Navigate to the area you are interested in (e.g North Faroe Islands)



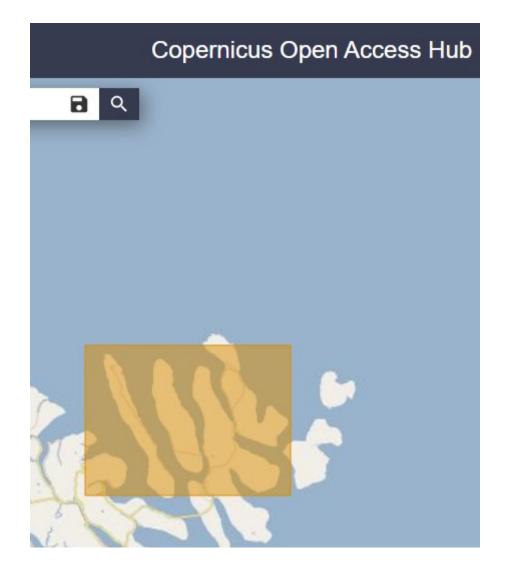


Select 'Area Mode.'
You will use this to create an AOI
(Area of Interest) with the
mouse

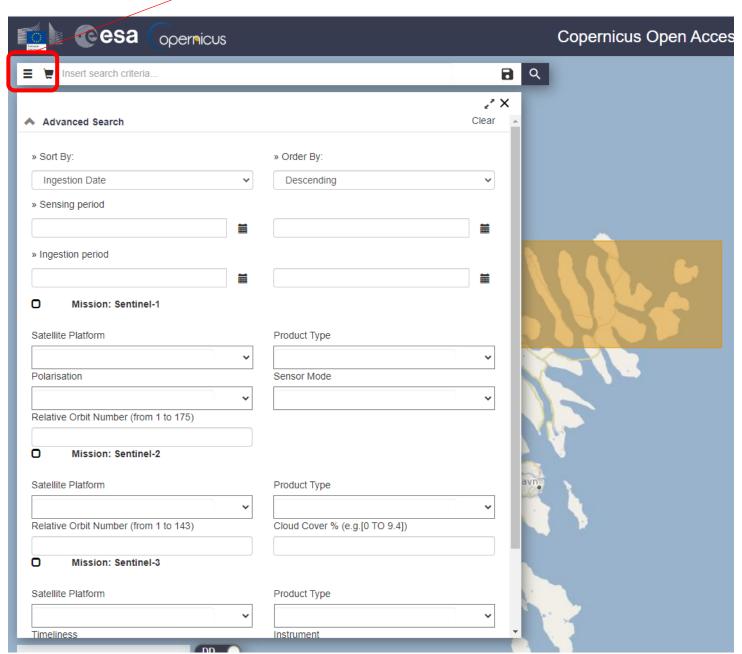




While your AOI is still selected below....



Select the advanced search settings (next slide has details)

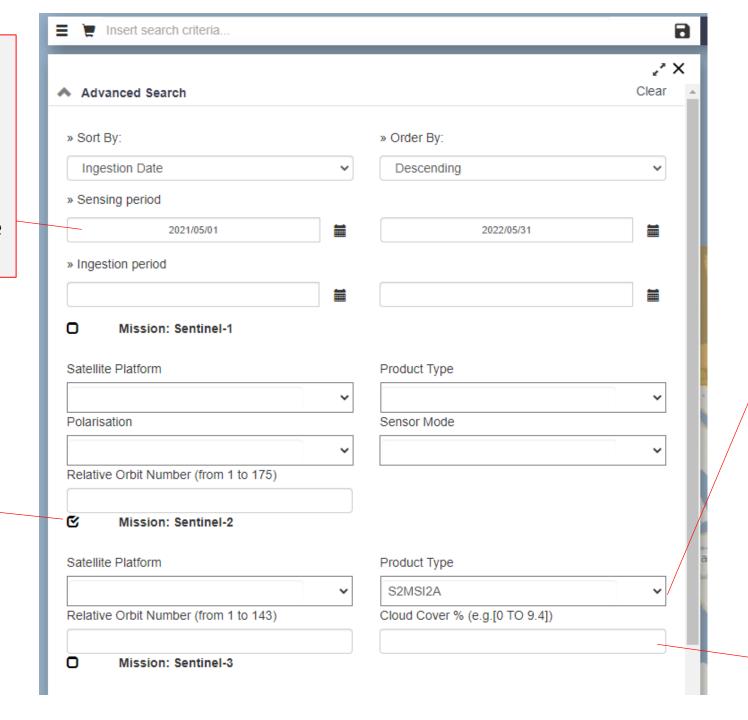


Start date

- It may be easier to consider narrower sensing periods individually e.g. May 2021, June 2021 vs. May – June 2021 in one search



Mission: Sentinel 2



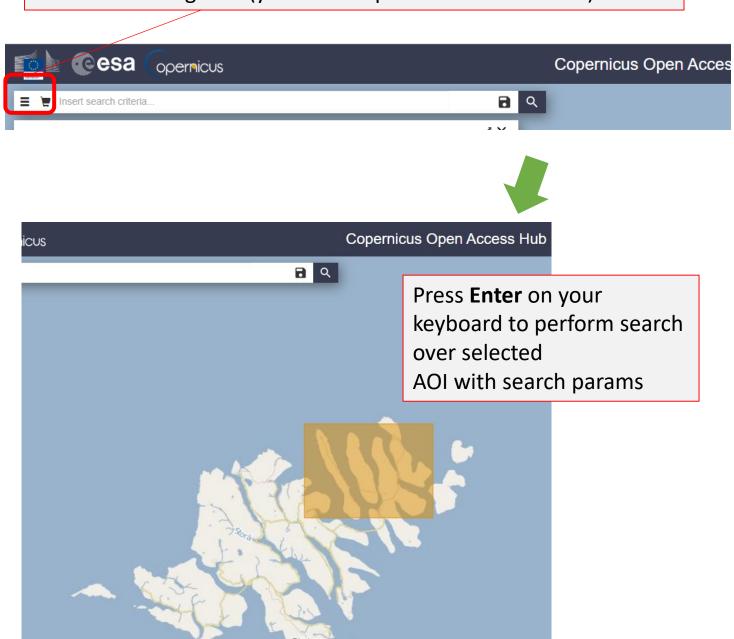
Select Product Type: S2MSI2A

This is product Level-2A

https://sentinels.cop ernicus.eu/web/sent inel/missions/sentin el-2/data-products

Explore Cloud Cover% - Start with none,and explore results

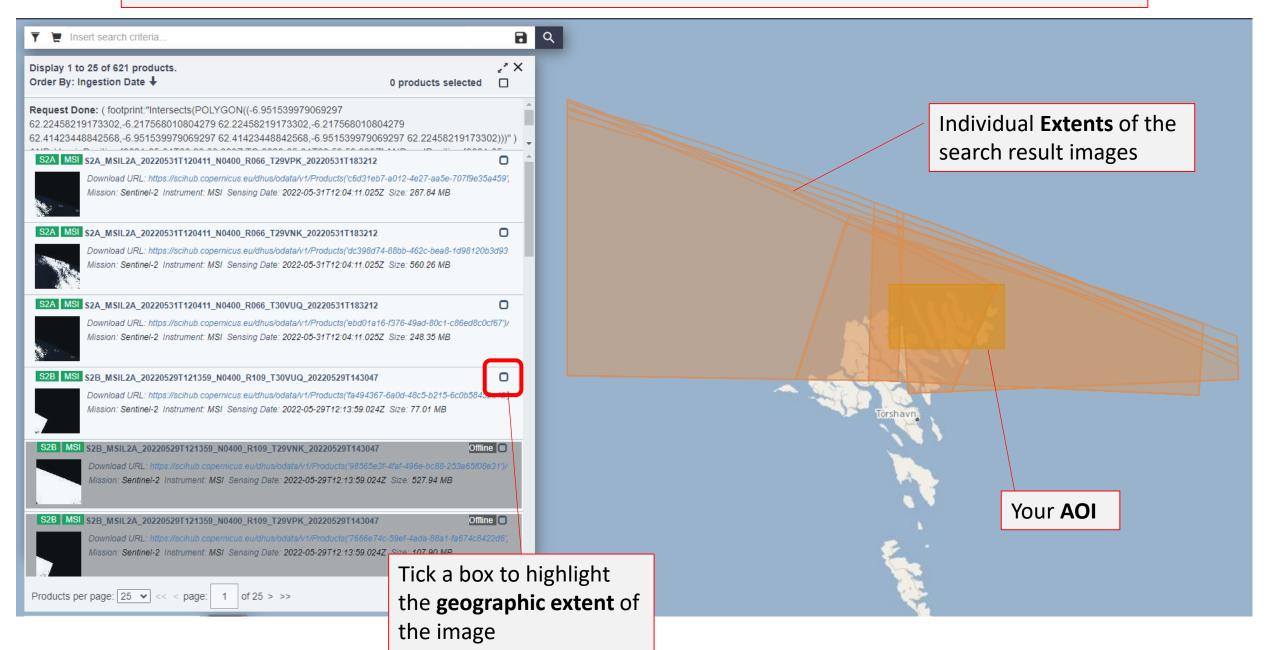
Close the settings tab (your search params will be stored)



Select Navigation Mode



The search looks for **any images matching your search params which insect some part of your AOI** => You may not get full coverage from a single image

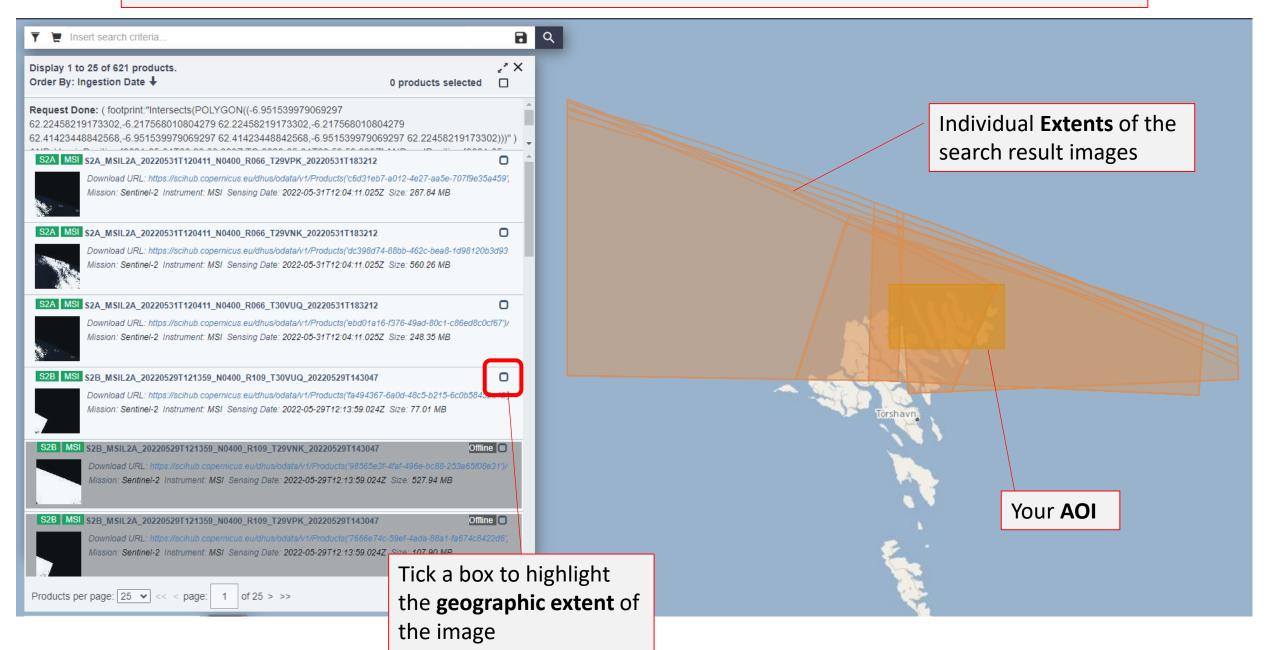




& view the image

Note screenshot issues, hence the clipart

The search looks for **any images matching your search params which insect some part of your AOI** => You may not get full coverage from a single image



Product Details: LHS = Extent, RHS = RGB Image. Note the 'nodata' values in the TOP RHS of image.

S2A_MSIL2A_20220531T120411_N0400_R066_T29VNK_20220531T183212



↑ Quicklook

| Continue | Contin

Filename: S2A_MSIL2A_20220531T120411_N0400_R066_T29VNK_20220531T183212.SAFE Identifier: S2A_MSIL2A_20220531T120411_N0400_R066_T29VNK_20220531T183212

Instrument: MSI Satellite: Sentinel-2 Size: 560.26 MB

Download Product







Scroll down: Metadata of the image. Note the Cloud Cover Percentage & Cloud Shadow Percentage

Product

Aot retrieval accuracy: 0.0

Cloud cover percentage: 41.891214

Cloud shadow percentage: 0.160339

Dark features percentage: 0.008901

Datastrip identifier: S2A OPER MSI L2A DS ATOS 20220531T183212 S20220531T120405 N04.00

Degraded ancillary data percentage: 0.0

Degraded MSI data percentage: 0

Footprint: <gml:Polygon srsName="http://www.opengis.net/gml/srs/epsg.xml#4326" xmlns:gml="http://www.opengis.net/gml"> <gml:outerBoundaryls> <gml:LinearRing> <gml:coordinates>62.92580159727482,-9.000397 62.92002037742972,-8.956421 62.91999471019592,-8.956451 62.91998497209353,-8.95636 62.91871114085824,-8.957306 62.91868916881802,-8.957123 62.91846637003746,-8.957306 62.85969816177054,-8.51355 62.85981722424034,-8.513458 62.859211884881645,-8.508942 62.859480101978825,-8.508728 62.859395750626575,-8.508118 62.8602039662916,-8.507507 62.85477403721782,-8.46994 62.82253962522436,-8.247681 62.818565136955456,-8.220398 62.79011478408242,-8.026062 62.78850224107481,-8.027313 62.72485106435075,-7.602356 62.724893681225474,-7.6023254 62.72487193527884,-7.602173 62.72503623068111,-7.602051 62.72432320058102,-7.59729 62.72524183399697,-7.596588 62.72118011412712,-7.5713806 62.6501205063376,-7.131134 62.648813945062045,-7.1321716 62.60324385009878,-6.8606873 62.127976558918824,-6.8949585 62.14398151095575,-9.000397 62.92580159737482, 9.000397