# Webinar 1 for Middle Eastern Users

Data Store and Data Tailor through Graphical User Interface.

Exercise 1: Using Data Store

#### 1. Access the platform

Click on the link  $\rightarrow$  <u>https://data.eumetsat.int</u>

#### 2. Login

To log in click the "**log in**" button (below). A new window will open and you will need to insert your username and password.



If you do not have a username and password please create a new user by clicking on the "Create new user" button.

Authentication	
Welcome to the Earth Observation Portal.	
To update your user profile, extend your data licences, or change your service subscriptions, please click here.	
Please login to access your account.	
PLEASE LOGIN Please enter your user ID and password to login User Name: Password:	
Please note the fields marked with * are mandatory. The User Name is not case sensitive and is displayed in lower case.	
FORGOTTEN YOUR PASSWORD?  NEW USER - CREATE NEW ACCOUNT	►LOGIN

Click Login

3. Once logged in you will be faced with the screen below. Click on "**Perform an** advanced research".



4. On the left panel, explore the different available filters. Select the following:

#### PLATFORM $\rightarrow$ Meteop SENSOR (NOT SENSOR TYPE) $\rightarrow$ ASCAT

 Now find the collection called "ASCAT Coastal Winds at 12.5 km Swath Grid – Metop" and read everything about the collection by clicking "Learn more"



- 6. Go back and click on "Access Data". A new window will open.
- 7. Select the following time range:

#### Date: 2024-07-01 Time: 8:00 Date:2024-07-06 Time: 23:59

8. Select the **area of interest** as shown in the figure below. (Green box). To create the polygon click on the rectangle image on the right of the screen.



Click on Show Results.

9. Now check how, by clicking on the different products, the map will show you different swaths, indicating the movement of the satellite and the area covered by that specific product. **Choose a product that matches your area.** 

			1-20 of 20 products for	ound 🖃						<
AVAILABLE TIME RAP	IGE: 2013-06-03 - 20	24-07-18	Select all in page	Ac	d selected t	o Cart	]	Add R	esults	to Cart
2024-07-01	`	< ○8:00 >	2024-07-06 (17:48) - ; (19:29)	2024-07-06	Metop- B	0	3.11 MB	٠	•	7
2024-07-06		( 23:59 )	2024-07-06 (17:03) - : (18:44)	2024-07-06	Metop- C	0	3:11 MB	÷	▣	7
			2024-07-06 (06:00)- : (07:41)	2024-07-06	Metop- B	0	3.15 MB	<u>.</u>	3	π
ilename			2024-07-06 (05:15) - : (06:53)	2024-07-06	Metop- C	0	3.07 MB	٠	•	7
			2024-07-05 (17:24) - : (19:05)	2024-07-05	Metop- C	0	3.11 MB	÷	⊡	<b>T</b>
ort by			2024-07-05 (04:39) - : (06:20)	2024-07-05	Metop- B	0	3.14 MB	<u>*</u>	•	7
Sensing time $\sim$	Descending ~		2024-07-04 (17:45) - : (19:26)	2024-07-04	Metop- C	0	3.10 MB	<u>*</u>	3	F
iters			2024-07-04 (16:51) - : (18:29)	2024-07-04	Metop- B	0	3.04 MB	÷	₿	7
Mission / Satellite V	Product Type V	Orbit Number	2024-07-04 (05:54) - : (07:35)	2024-07-04	Metop- C	0	3.15 MB		Ξ	7
		Urbit Number	2024-07-04 (05:00) - : (06:32)	2024-07-04	Metop- B	0	2.89 MB	٠	3	7
rea of Interest			2024-07-03 (18:06) · : (19:47)	2024-07-03	Metop- C	0	3.11 MB	٤	8	Ħ
e.g. 180.0. 90.0, 180.0, 90.0 or 51.3, 23.26, 56.51, 26.7			2024-07-03 (17:12) - : (18:50)	2024-07-03	Metop- B	0	3.04 MB	÷	•	Ħ
	Reset Filters	Show Results	2024-07-03 (06:15) - : (07:56)	2024-07-03	Metop- C	0	3.13 MB	÷	3	F
			2024-07-03 (05:21) - :	2024-07-03	Metop-	0	3.16	.+.	Ξ	7

Select the product and click "Add selected to Cart".

On the top of the menu, click on the **Cart icon** to see your cart.

API Access	Cart •• 1 item	oemars	Q

# 10. The image below shows what your cart should look like.

Cart (1 Items)						$\langle$ Return to Map view
Customize Cart Download	Cart Remov	e Selected X Clear Cart X				$\langle \rangle$
Product Name	Satelllite	Collection ID	Sensing Start (UTC)	Sensing Stop (UTC)	Download	Remove
ascat_20240706_1703	Metop-C	EO:EUM:DAT:METOP:OSI-104	2024-07-06 <b>17:03</b>	2024-07-06 <b>18:44</b>	÷	×

# Exercise 2: Using the Data Tailor

1. Select your product from the chart and click: "Customise Cart"

art (1 It	ems)						Return to Map view     A second seco
Customize	e Cart Download Cart	Remove	Selected X Clear Cart X				$\langle \rangle$
Prod	uct Name	Satelllite	Collection ID	Sensing Start (UTC)	Sensing Stop (UTC)	Download	Remove
ascat,	_20240706_1703 0	Metop-C	EO:EUM:DAT:METOP:OSI-104	2024-07-06 <b>17:03</b>	2024-07-06 18:44	÷	×

2. A new window will open. This is what the Data Tailor GU Interface looks like.

EUMETSAT	LAUNCHPAD	AGGREGATION	LAYER FILTER	REPROJECTION	ROI	QUICK LOOK	OUTPUT OPTIONS		•
Launchpad								~	
Product type Search		Output format No items				Configuration No items		~	
Input products  • ascat_20240706_170300_metopc_29390_eps_	o_coa_3301_ovw.l2	2.zip							
Aggregation					1.0.0			~	
Layer Filter								~	
Reprojection									
ROI								~	
Quick look									
Output Options								~	a la
the los	-			-1-1					0

3. Select the following:

Product type: ASCAT.... NetCDF.

Output Format: GeoTiff

4. On the "Layer Filter" section select the following from the box on the LEFT:
-Wind Direction at 10 m
-Wind Vector cell quality
-Cross Track wind vector Cell number.

Click on the arrow in the middle ">".

Your window should now look like the following:

Layer Filter Configured filters	Band	ds	^
No items	- <b>v</b>	Available 0/6 selected	Selected 0/4 selected
		parameter)	Wind direction at 10 m
		Model wind > direction at 10	Wind speed at 10 m
		m <	Wind vector cell quality
		speed at 10 m Time	Cross track wind vector cell number
	Save	e filter as	ADD >

#### 5. Go On the "Quick look" section.

Select three layers on the box on the LEFT, and click the arrow to move them on the RIGHT.

#### Select PNG as a format

Your window will have to appear as shown below.

Quick loo	k				^
Available qui No items	ck-look config			Formats	~
	Available 0/1 selected		Selected 0/3 selected	Stretch Search	
	Cross track wind vector cell number		Wind direction at 10 m		
	number	>	Wind speed at 10 m	X size Y size	
		<	Wind vector cell quality	search	~
				No data to color	
				Search	~
				Save quick look as	

On the **Output option** section choose Zip as a compression type.

Output Options		~
Compression types		
Zip	v	

You are now ready to start the customisation. Press the **green button** on the bottom-right of the screen.



A new tab will open at the bottom. It will look like the one below. Select the Customisation and press the **download arrow.** 

Customisation iD	3128	Status		Progress/Time	2024-07-18 09:10:23 - PROCESSING.vrt[90] - INFO - Command line and its output
7d99cb9d	1.3MB	✓ Completed			2024-07-18 09:10:23 - PROCESSING.epct_gis[647] - INFO step "QUICKLOOK" finished! 2024-07-18 09:10:23 - PROCESSING.postprocessing[468] - INFO - Starting step "POST-PROCESSING" 5/5 2024-07-18 09:10:23 - PROCESSING.postprocessing[493] - INFO step "POST-PROCESSING" finished
4MB of 20.0GB 0%				Delete selected	2024-07-18 09:10:23 - PROCESSING.postprocessing[495] - INFO - output-product: /var/dtws/users/noe 2024-07-18 09:10:23 - PROCESSING.postprocessing[503] - INFO - customisation time: 5 - process: 7d 2024-07-18 09:10:23 - PROCESSING.postprocessing[504] - INFO - *** STOP PROCESSING - Status DONE *

You have downloaded your product!

# Now, try by yourself with the following information:

# Exercise 2: Sentinel-3

#### - Find the product

Collection: OLCI Level 1B Full Resolution - Sentinel-3 Area: Persian Gulf Timeframe: Choose you preferred time range (make sure your dates fit the AVAILABLE TIME RANGE)

# Customise the product Output format: GeoTiff Reproject: Gall-Peters ROI: Find the coordinates (in decimals) of the north of the Persian Gulf Output option: Zip

Run the customisation and download the product

## Exercise 3: MSG

Collection: Fire Risk Map - Released Energy Based – MSG

No customisation is allowed with this collection. Only download the product.

## Exercise 4: Independent work

Now, imagine you have some research to do. Download and customize a product according to your research needs.

**REMEMBER** to use the guide provided to search if your products are supported by Data Tailor