Exercises: Using EUMETView Graphical User Interface

Exercise 1: Dust and Ash
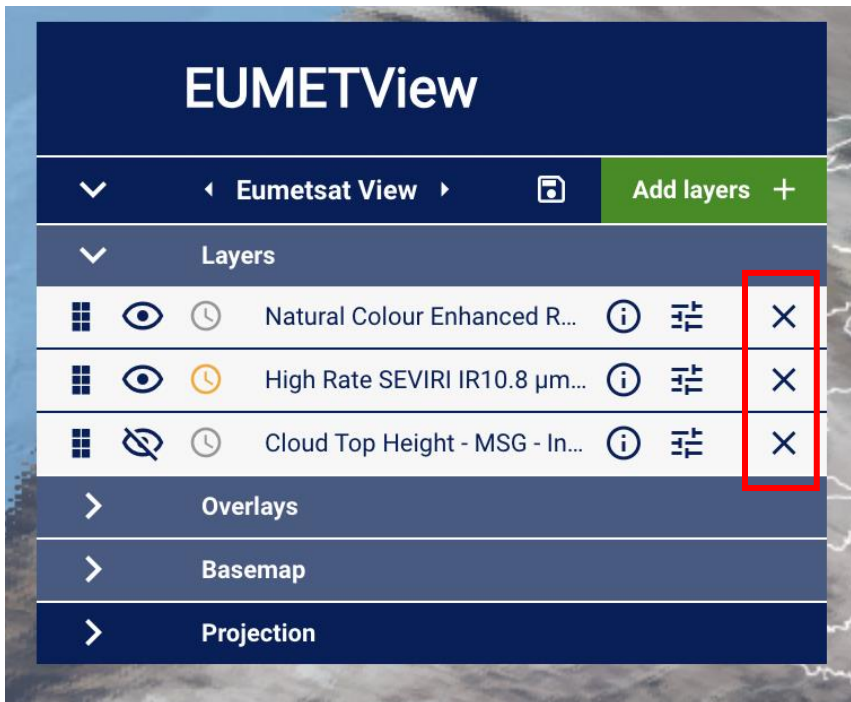
1: Click on the link below to enter **EUMETView**

https://view.eumetsat.int/

2: **Login** to EUMETView with your username and password. If you do not have one, please register.

3: By default, a view will open. **Remove the layers** by clicking on the crosses as shown in the figure below

4: By exploring the menu make sure the following map features are selected:

- **Projection**: Geographic
- **Basemap:** OSM Light
- **Overlays:** Coastlines and Boundaries on ( ). All the others will need to be turned off ( )

5: Now we are ready to add layers. Click on the green button "**Add layers**" and search for the following layers:

- **Dust RGB – MSG – Indian Ocean**
- **Dust RGB – MSG – 0 degree**
- **Geostationary Ring Dust RGB – Multimission**
- **Volcanic Ash RGB – MSG – Indian Ocean**
- **Volcanic Ash RGB – MSG – 0 degrees**
- **Geostationary Volcanic Ash RGB – Multimission**

HINT: Make sure your layers are in the exact same order as ours. If they are not, drag them to be in this order.

6: Now click on the watch icon relative to the "**Volcanic Ash RGB – MSG – Indian ocean**" to make this layer become the time driving layer.
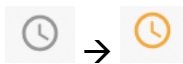
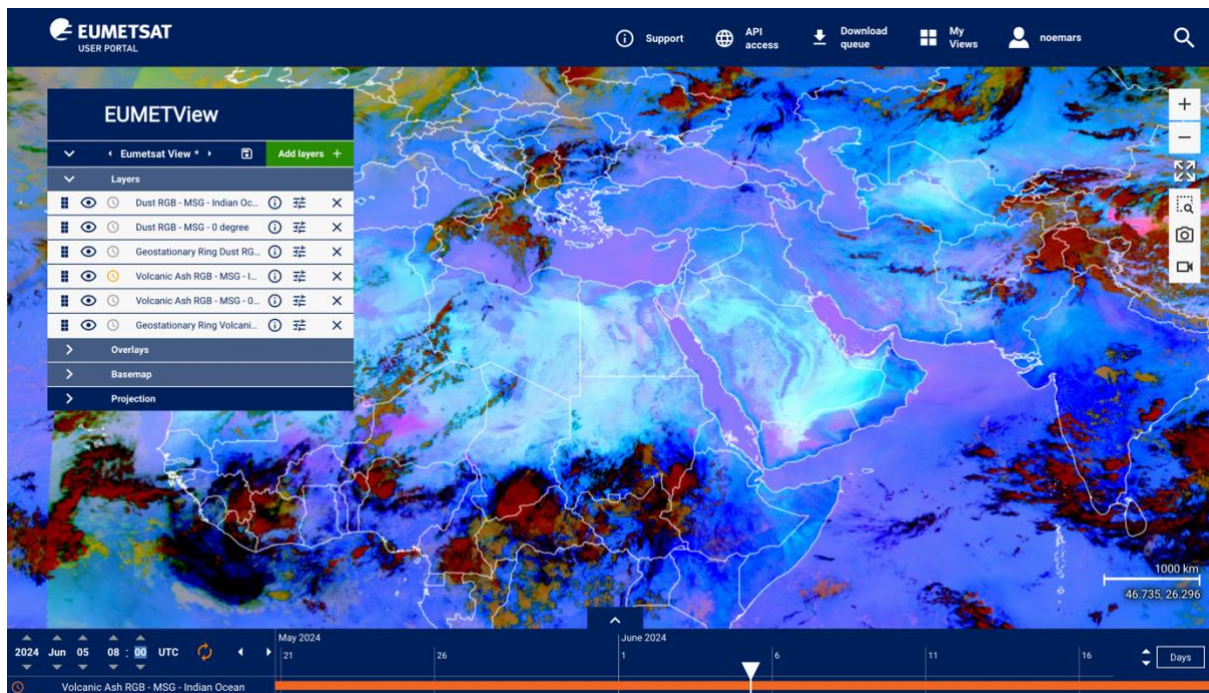Your EUMETView menu for layers will look like the one shown below.
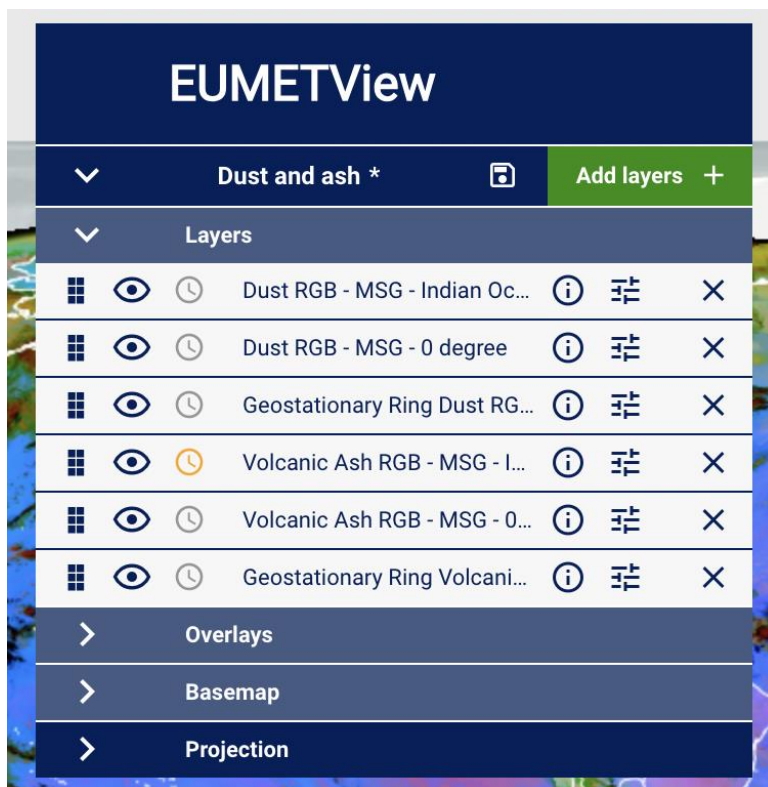
7: On the timeline, select the following:
Day: 2024 Jun 05
Time: 08:15

8: By using your mouse, zoom in the Middle East region as shown below. (Feel free to adjust based on your country.

8: Explore the **timeline** (Click anywhere on the orange line at the bottom of the page) from that date to today and choose your favorite view.
Make sure that ones you have founded your favorite day you turn off the **auto-toggle** button

located next to the date . This will allow you to keep the same date even when sharing the view to others.

9: Once you are satisfied with your view you can save it in "**My Views**" by clicking the save button as shown below.
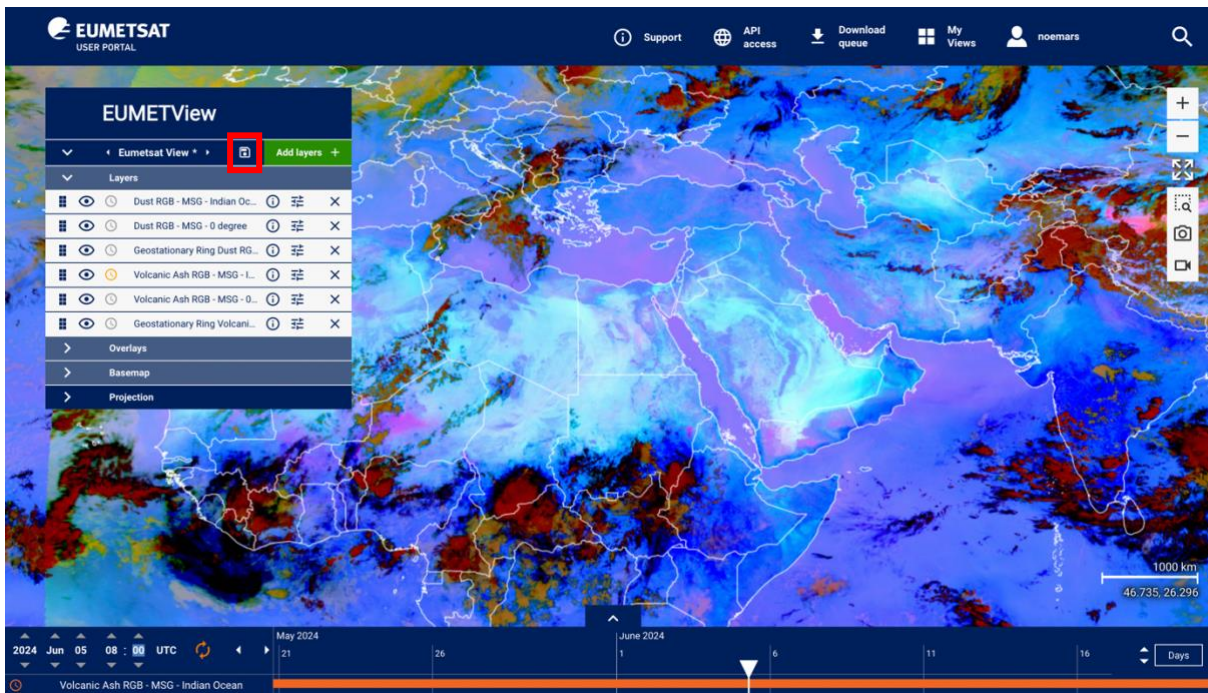
10: A new Tab will open.

- Give the title "**Dust and Ash**",
- Add a short **description**,
- In Group choose "**My group**"
- Click on Time mode, choose the option **Event View** (Make sure the date is the same you chose before).
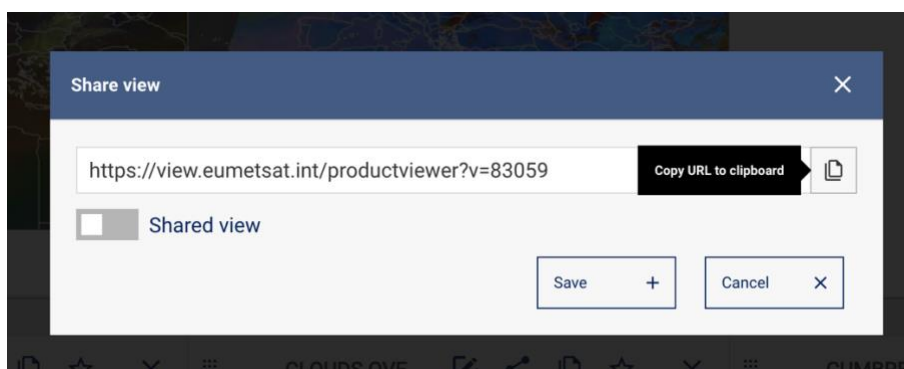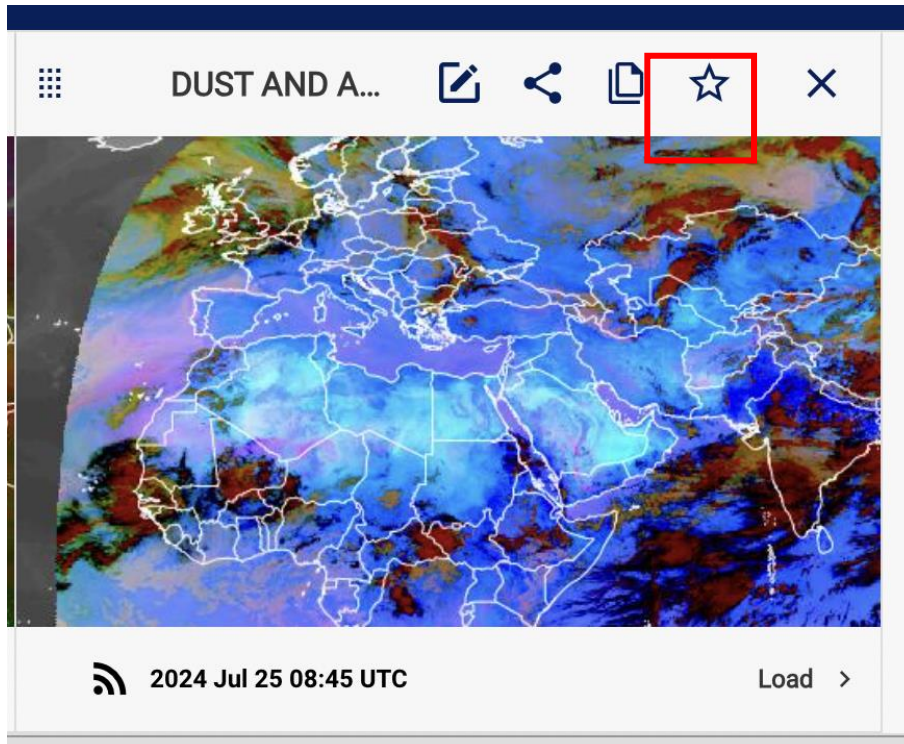- Click **Save**.

11: Go to **My Views**

12: Now share the view on the Zoom chat by clicking the **share button** and coping the link to the view.

Exercise 2:

Following the same instructions as before make an image showing Marine and Data Layer over the Arabian Gulf. Use the following layers:

- OLCI Level 2 CHL Concentration Daily Accumulated - Sentinel-3
- ASCAT Coastal Winds at 12.5 km Swath Grid - Metop-A
- ASCAT Coastal Winds at 12.5 km Swath Grid - Metop-C
- ASCAT Coastal Winds at 12.5 km Swath Grid - Metop-B
- SLSTR Level 2 SST Daily Accumulated - Sentinel-3
- Global L3C AVHRR Sea Surface Temperature (GHRSST) – Metop
- Geostationary Ring IR10.8 µm Image – Multimission

Exercise 3:

Following the same instructions as before make an image showing Precipitation and Storm on the coast of Oman. Use the following layers:

- Rapidly Developing Thunderstorms - MSG - 0 degree
- Cloud Top Height - MSG - Indian Ocean
- Cloud Top Height - MSG - 0 degree
- Precipitation rate at ground by GEO/IR supported by LEO/MW - MSG - Indian Ocean
- Blended SEVIRI / LEO MW precipitation and morphologic information - MSG - 0 degree
- Convection RGB - MSG - Indian Ocean
- Convection RGB - MSG - 0 degree
- Day Microphysics RGB - MSG - Indian Ocean
- Day Microphysics RGB - MSG - 0 degree