

Data Explorer - User Guide V1

MeteoGate's Data Explorer is a one-stop shop where you can discover and access authoritative weather data from across Europe. It is part of a web-based application called GeoWeb which you can use in browsers like Chrome, Firefox, Edge, or Safari.

This is a quick guide for using Data Explorer. For more detailed guidance, see [GeoWeb documentation](https://explorer.meteogate.eu).

1. Open MeteoGate's Data Explorer: <https://explorer.meteogate.eu>

2. For full functionality, log in

Click the circle icon at the top right corner of the window, then 'Login' in at the bottom of the menu. You will need to be logged in to save presets and access previously saved one. You will also find a 'Cheat sheet', which has the keyboard shortcuts for both Windows and Mac. There is also a link to documentation.

3. Open the Data Explorer view

If the Data Explorer hasn't opened by default or you have closed it, you can open it by clicking the 'MeteoGate' icon.

4. Find MeteoGate datasets and APIs

All the datasets available through MeteoGate are displayed. There are different ways to help you find the ones you want.

- 4.1. Type text into the search box at the top
- 4.2. Select one of the data types chips
- 4.3. Use the drop-down filters
- 4.4. Click on the map to select an area

5. See information on a dataset

Click on the 'Documentation' icon to view metadata for a dataset.

You can also find the URL link to the API from here.

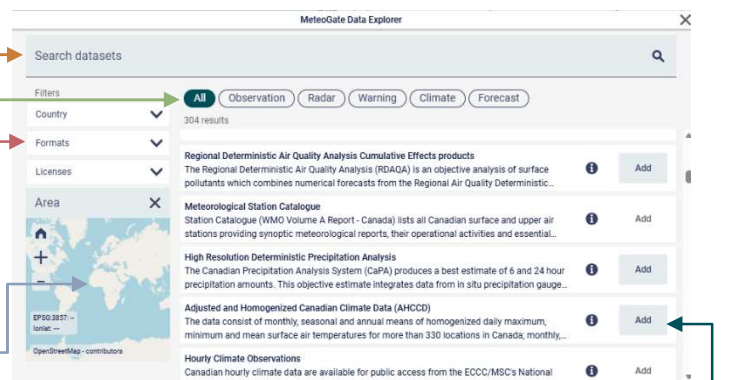
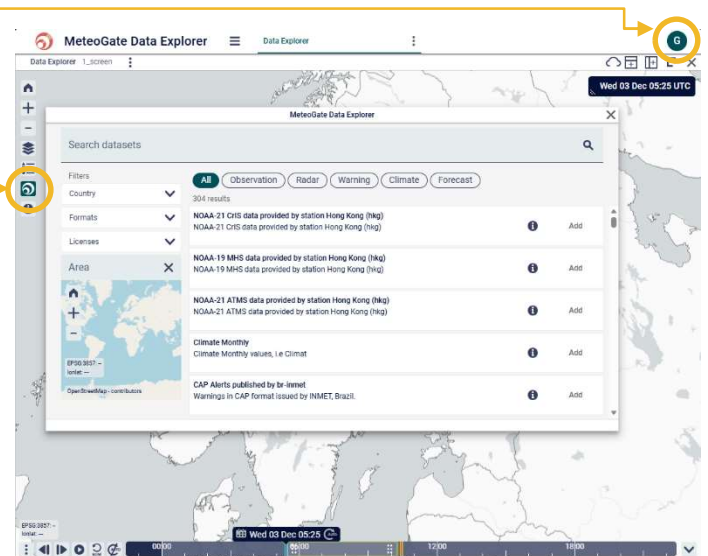
6. Add MeteoGate datasets to display

Click 'Add' button to display a dataset.

The dataset will appear on the map as a 'layer' (it may take a while to display).

The display of layers can be configured in the 'Layer Manager'.

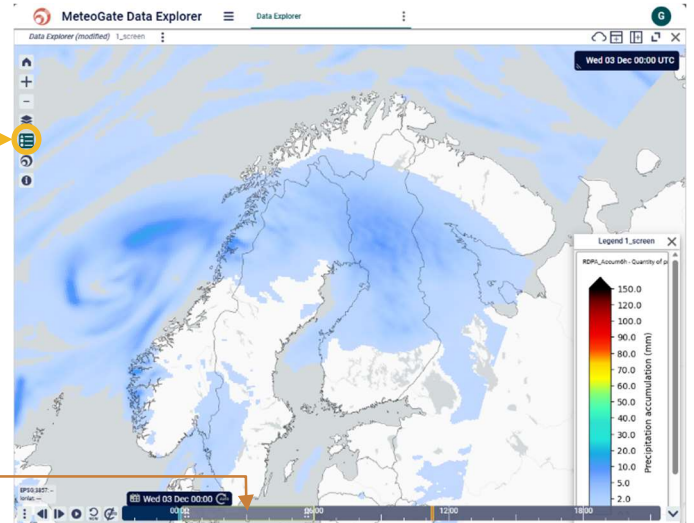
You can remove datasets from view by clicking 'Remove'.



7. View datasets on map

Added datasets are displayed on the map.




- 7.1. Use the mouse to move and zoom the map.
- 7.2. You can display the legend by clicking the 'Legend' icon.
- 7.3. The data and time shown are determined by the 'timeslider'. You can move to a certain time in different ways; for example, by clicking on the slider or using the datetime picker.
- 7.4. It is also possible to animate the data (automatic loop through time).

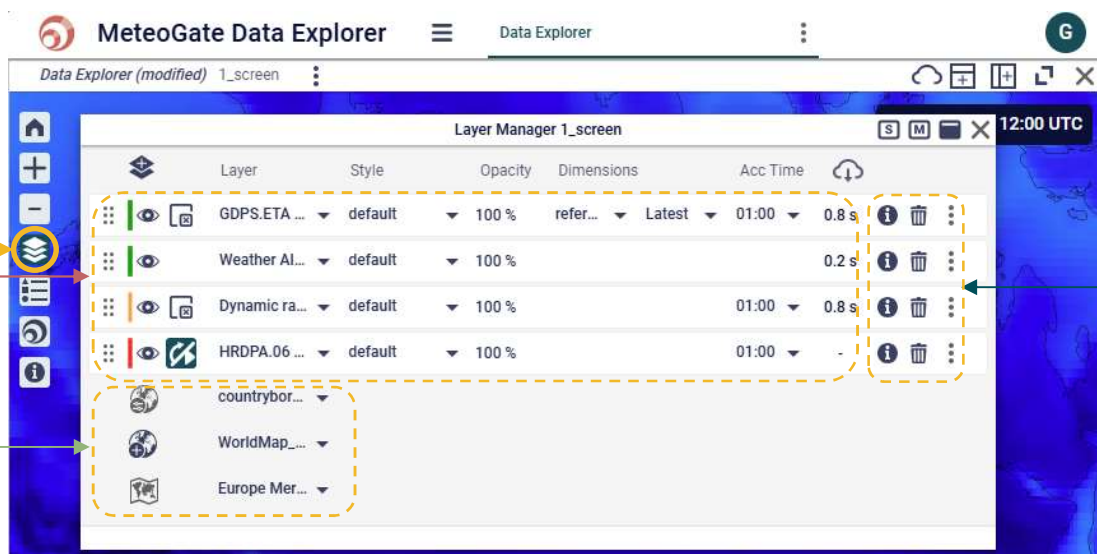


8. Change the way the data is displayed

The datasets shown on the map are managed by the 'Layer Manager'. Open it by clicking the icon.

With the 'Layer Manager', you can:

- 8.1. Choose the basemap and projection
- 8.2. Rearrange the order the data is displayed by clicking and dragging the layer using the  button
The data layer at the top of the list = the data set displayed at the top on the map view
- 8.3. See if the data is up to date:
 - Green line: Up to date – Layer is less old than the timestep
 - Orange line: Layer is older than the timestep, but within your data acceptance time
 - Red line: Layer is older than the timestep, and also outside your data acceptance time
- 8.4. Set data acceptance time using the 'Acc Time' drop down arrow
- 8.5. Make the layer visible or not by clicking the 'Toggle visibility' eye symbol 
- 8.6. Choose the leading layer of the time step of the animation 
- 8.7. See what other layers are available from the same source by clicking on the down arrow after the Layer name
- 8.8. Change a layer's Style, and Opacity (transparency), by clicking on the down arrow in the relevant column.
- 8.9. Where available change a layer's: Dimensions e.g. pressure level, Value, and Available Value, by clicking on the down arrow in the relevant column.
- 8.10. Get additional information about the layer
- 8.11. Remove a layer from the Layer Manager
- 8.12. Easily add another layer from the same source, by duplicating the layer then selecting a different layer using the 'Layer' drop down arrow.



9. **Save the data layers view** *If you want to keep the layers set up as you have them on a single map, you can save this as a 'Map preset'*

9.1. Click on the menu icon and 'Save as' what name you choose.

9.2. In future you can get this map view, along with others that are available by default, from the Map Preset menu by clicking the name of the current map preset



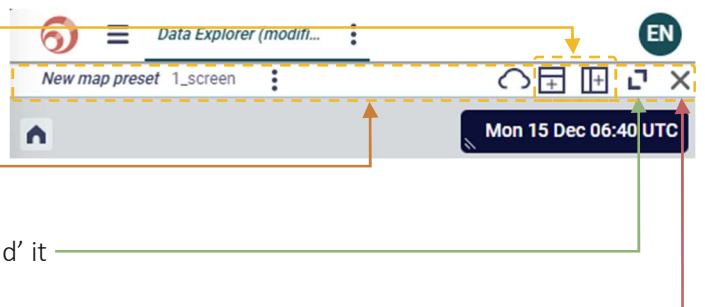
10. **Workspace views** *Display several maps side-by-side*

10.1. Click the 'split window horizontally' or 'split window vertically' button to add an additional window

10.2. Move the window by clicking and dragging on the heading bar

10.3. 'Expand' the window, and then 'Unexpand' it

10.4. 'Close window' using the cross

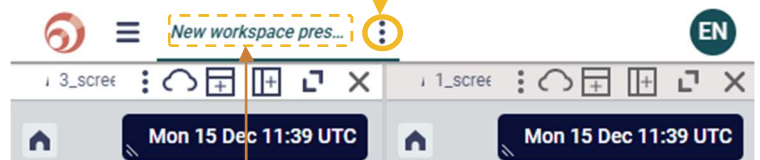


11. **Save a Workspace layout**

If you want to keep multiple maps set up in the layout you have arranged them, you can save this as a 'Workspace preset'.

11.1. Click on the menu icon and 'Save as' what name you choose

11.2. In future you can get this view, along with others that are available by default, from the Workspace Preset menu by clicking the name of the current workspace preset



KEYBOARD SHORTCUTS

WINDOWS

Cheat sheet	
Windows	Mac
Choose a selected time	Left click on the time slider rail
Move backwards/forwards in selected time	Mouse scroll over the time slider rail
Move 1 step backwards/forwards in selected time	Ctrl + ← or →
Toggle hide/show time slider	T
Change time slider scale (visible timespan)	Hold left click over Time Slider legend + drag left or right
Expand/shrink time slider scale (visible timespan)	Ctrl + Scroll the slider rail
Mouseover to change selected time	Hover over Time Slider rail or time indicator
Mouseover switch on/off	Ctrl + Alt + h
Change time step or animation speed	Ctrl + ↑ or ↓ (when slider active)
Return to current time	Home
Toggle hide/show layer information	D
Change layer manager values by scrolling	Ctrl + Mouse scroll
Change size of layer manager to small	Ctrl + Alt + s
Change size of layer manager to medium	Ctrl + Alt + m
Change size of layer manager to large	Ctrl + Alt + l
Toggle workspace time scroll ON and OFF	S

MAC

Windows	Mac
Choose a selected time	Left click on the time slider rail
Move backwards/forwards in selected time	Mouse scroll over the time slider rail
Move 1 step backwards/forwards in selected time	Ctrl + ⌘ + ← or →
Toggle hide/show time slider	T
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