

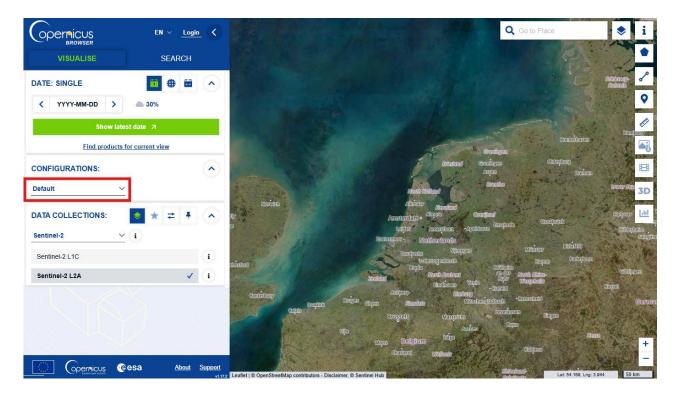
## **Copernicus Browser Tutorial**

The *Copernicus Browser* is a powerful online tool for displaying and analysing satellite images. This online tool is used in various activities of Planet Change. This manual explains how to use the browser. This manual lists the basic functions. You can find a more complete manual here <a href="https://youtu.be/F0lln5r6ZWk?feature=shared">https://youtu.be/F0lln5r6ZWk?feature=shared</a> (A short guide to Copernicus Browser). You can find more advanced guides and further features on the *Copernicus Browser website* <a href="https://helpcenter.dataspace.copernicus.eu/hc/en-gb">https://helpcenter.dataspace.copernicus.eu/hc/en-gb</a>

Copernicus Browser is a free satellite imagery viewing tool. All Copernicus satellites are in it and images can be analyzed. There is access to both raw information and edited images.

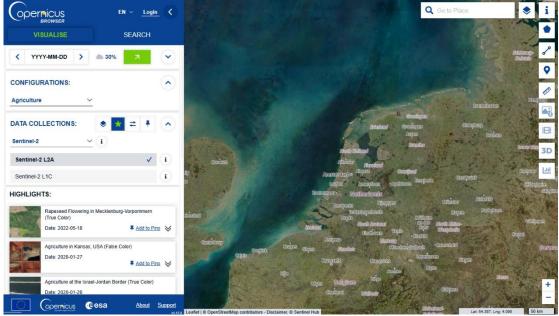
Follow the steps below to practice the main functions:

- Open the application via the following link: <a href="https://browser.dataspace.copernicus.eu/">https://browser.dataspace.copernicus.eu/</a>
- You need to register to access all functionalities. This is free of charge.
- On the left is a drop-down menu where you can choose the theme.

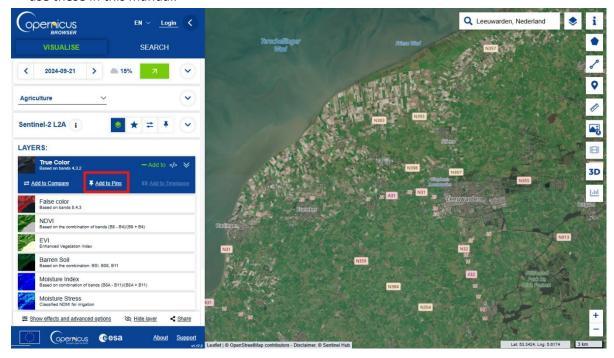


• Select *Agriculture*. The application only shows the relevant functions for this theme. For example, we now only see Sentinel 2 in the *DATA COLLECTIONS* as this is the satellite for monitoring agriculture.





- The area we take a closer look at is Leeuwarden. You do this by writing this info in the search area. Use the zoom buttons at the bottom right to zoom in.
- Set *Max cloud cover* to about 15%. This will remove all cloudy images. This option can be found next to the date.
- Choose a date, the images will be loaded automatically. In this example, September 21, 2024 was chosen.
- By default, the *Copernicus Browser* displays the *True Color* image, as of normal photo cameras. We also use these in this manual.



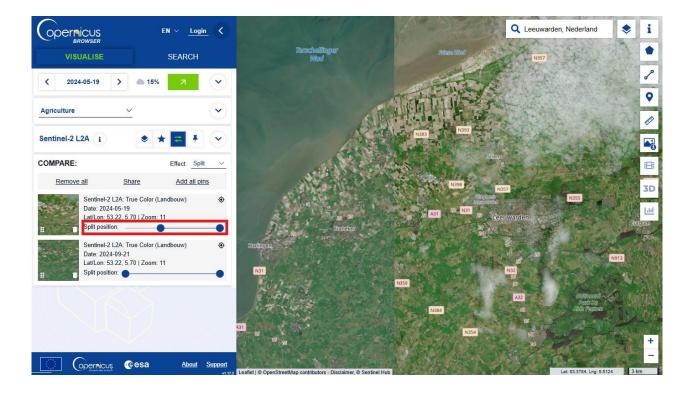
• Pin your image by clicking the Add and Add to Pins buttons.



- Change the date to May 19, 2024 and fix the image as well.
- You have now pinned two images of the same location for two days. You can compare these by pressing the button with the two arrows.



- In this tab, click Add all Pins.
- In the compare window, you can compare the two days by sliding the slider.





## Colophon

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This publication is a product of Planet Change (2022-1-NL01-KA220-VET-000085960), funded with support from the Erasmus+ Programme of the European Union. This publication reflects the views only of the authors, and the Commission cannot be held responsible for any use that may be made of the information contained therein.





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