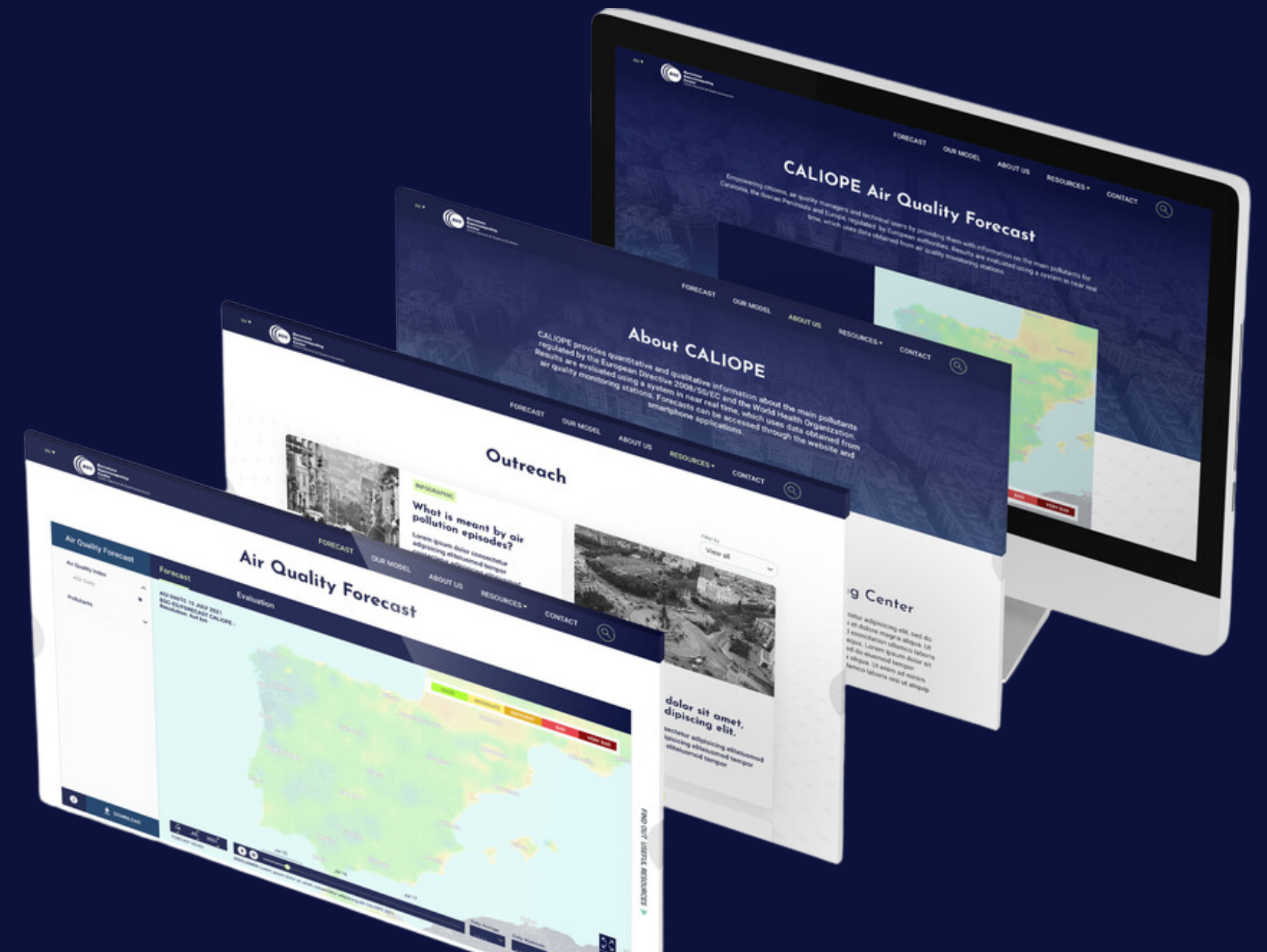




User Guide

CALIOPE dashboard, where you'll be able to explore the Air Quality Forecast for the next 48 hours for the Iberian peninsula and the Canary Islands. Whether you're a data enthusiast, researcher, or industry professional, CALIOPE empowers you to navigate the complexities of air quality data.



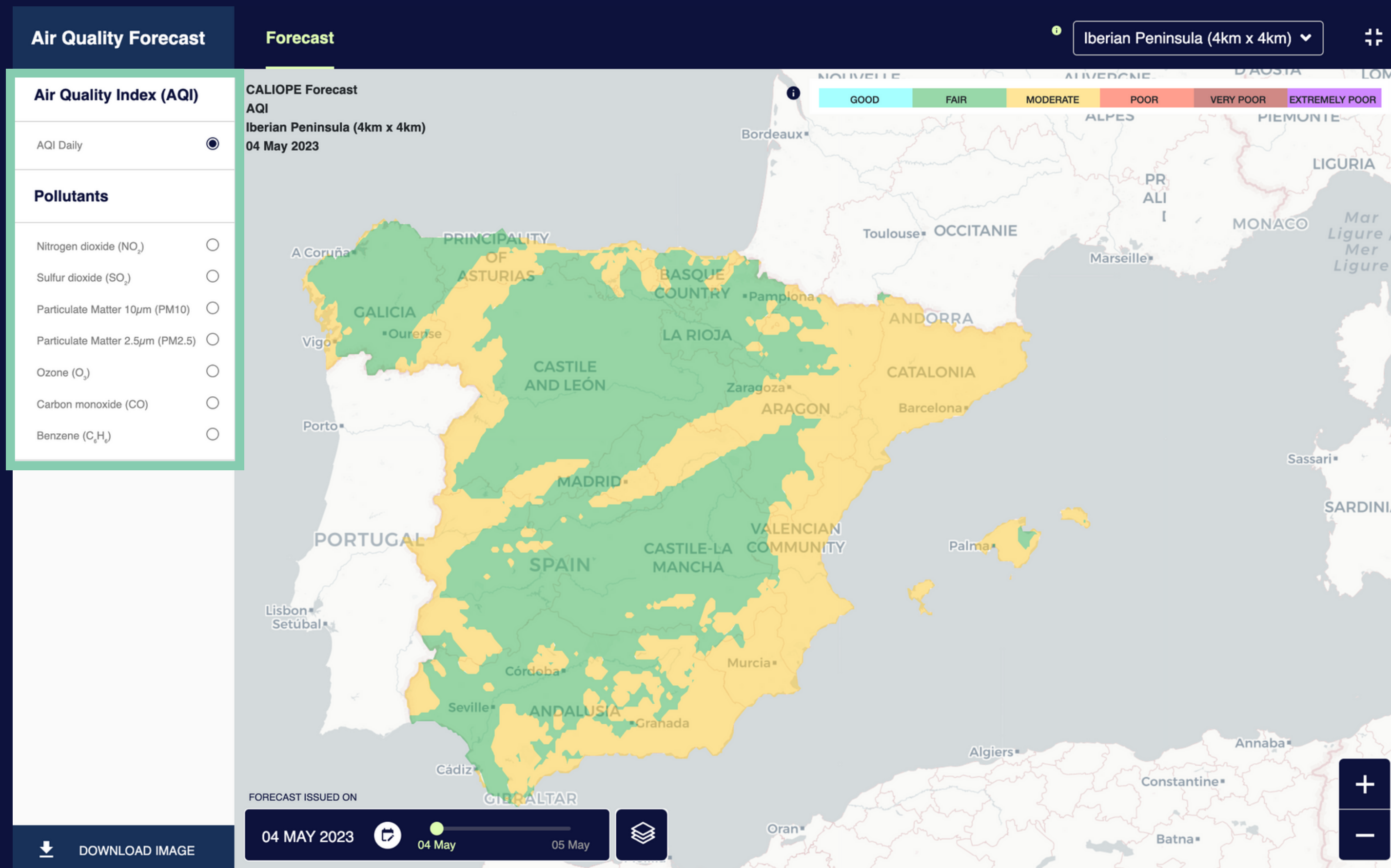


Index

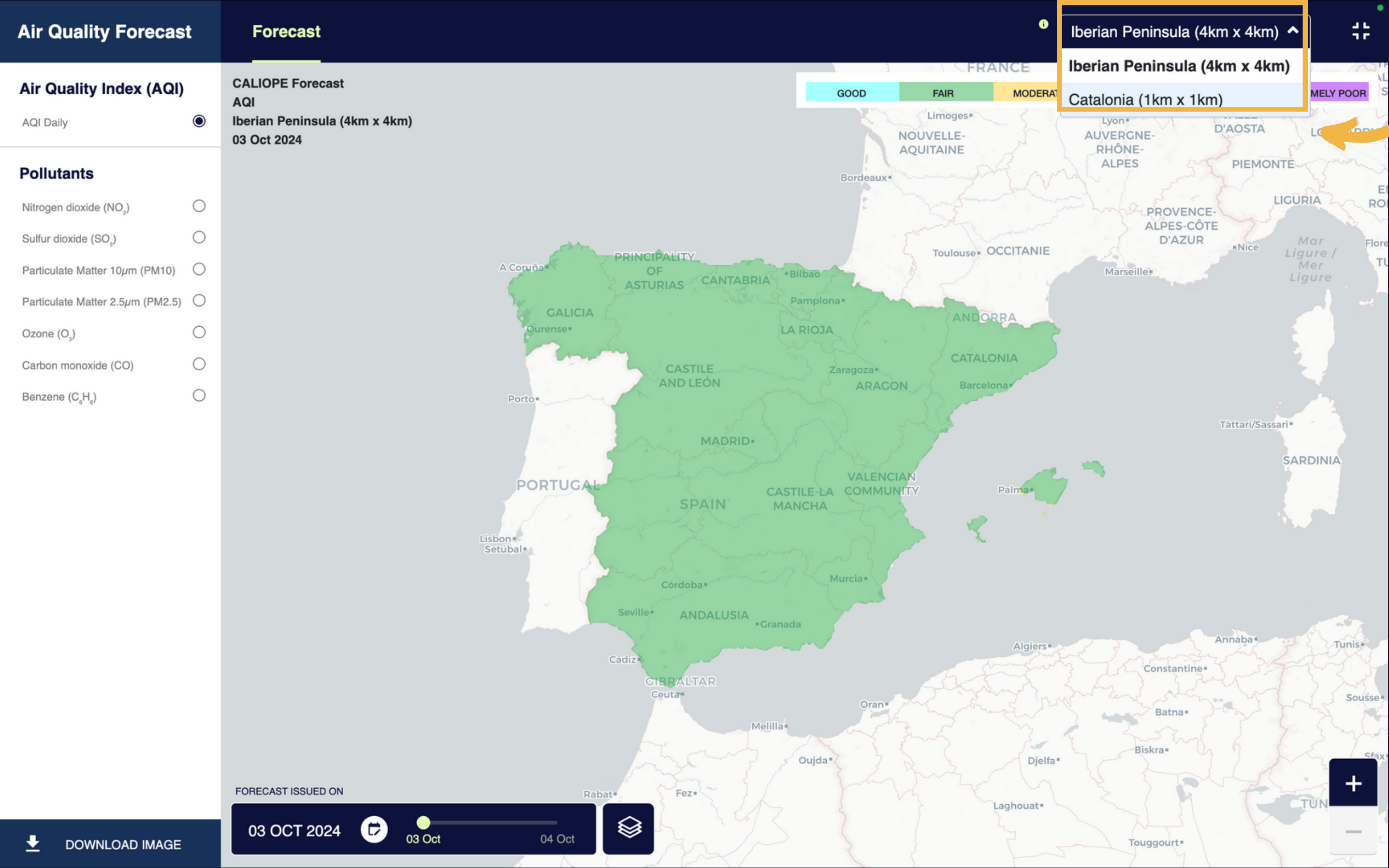
1. Navigate through AQI & Pollutants
2. Geographical Resolutions
3. Zoom in/out/Fullscreen
4. Layers
5. Average/Max values maps
 - a. Max values
 - b. Average values
6. TimeSlider
7. Select Date
8. Download image/gif map
9. Value of pollutant concentration
10. Explore timeseries
11. Download image TimeSerie
12. Air Quality Index / Value of AQI

1. Navigate through AQI & Pollutants

Select **AQI** or one of the **pollutants** to visualise the data on the map.



2. Geographical Resolutions

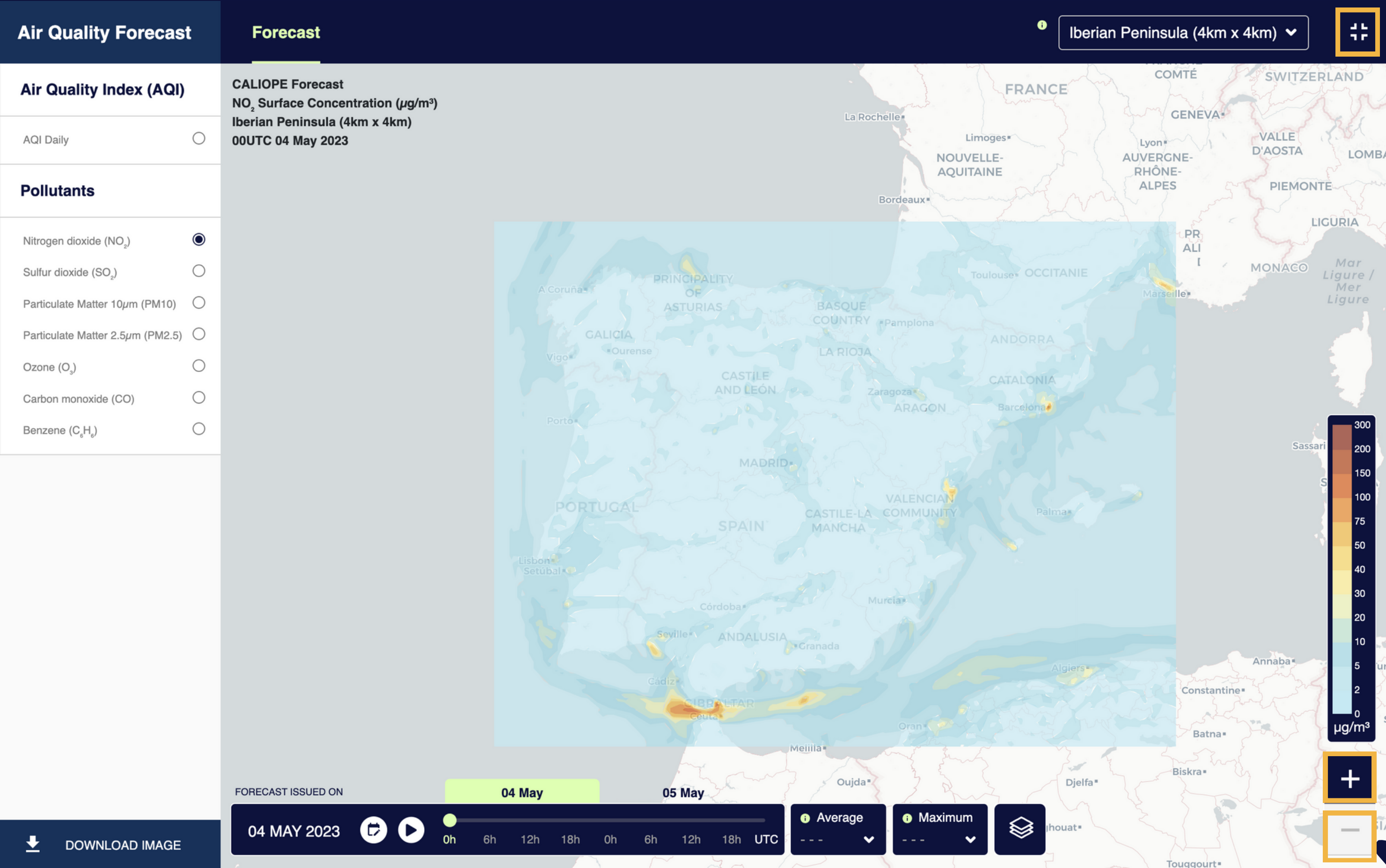


Change the geographical domain displayed, selecting among **Iberian Peninsula (4 x 4 Km2) , Catalonia(1x1km2**

Note 1:
Note that CALIOPE - URBAN for Barcelona domain, **will implemented soon** and only will offers data of Nitrogen dioxide (N02)

Note 2:
As you zoom in on the map, you'll automatically access the highest available resolution, and you can adjust this by selecting a different domain from the dropdown menu.

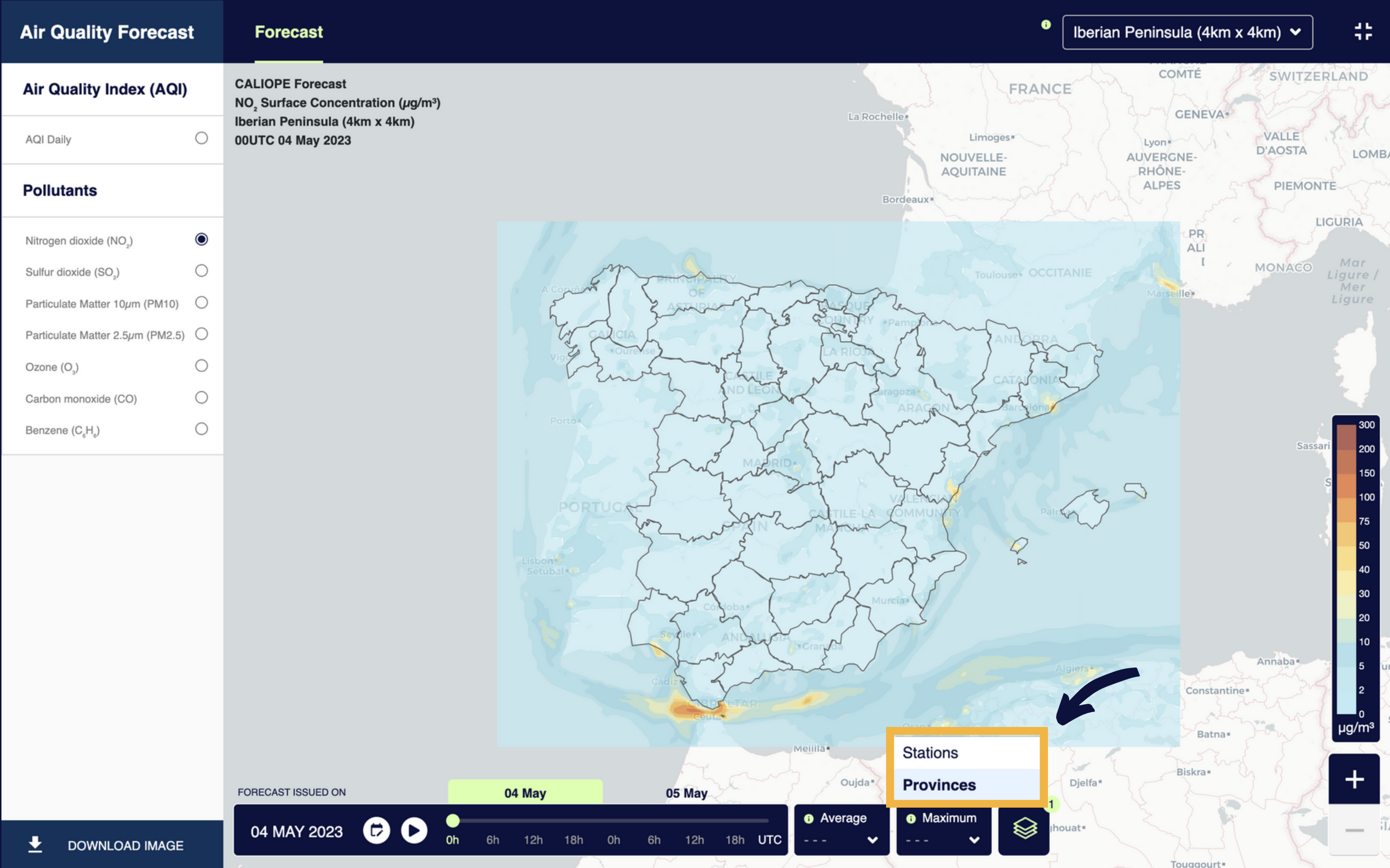
3. Zoom in/out-Fullscreen



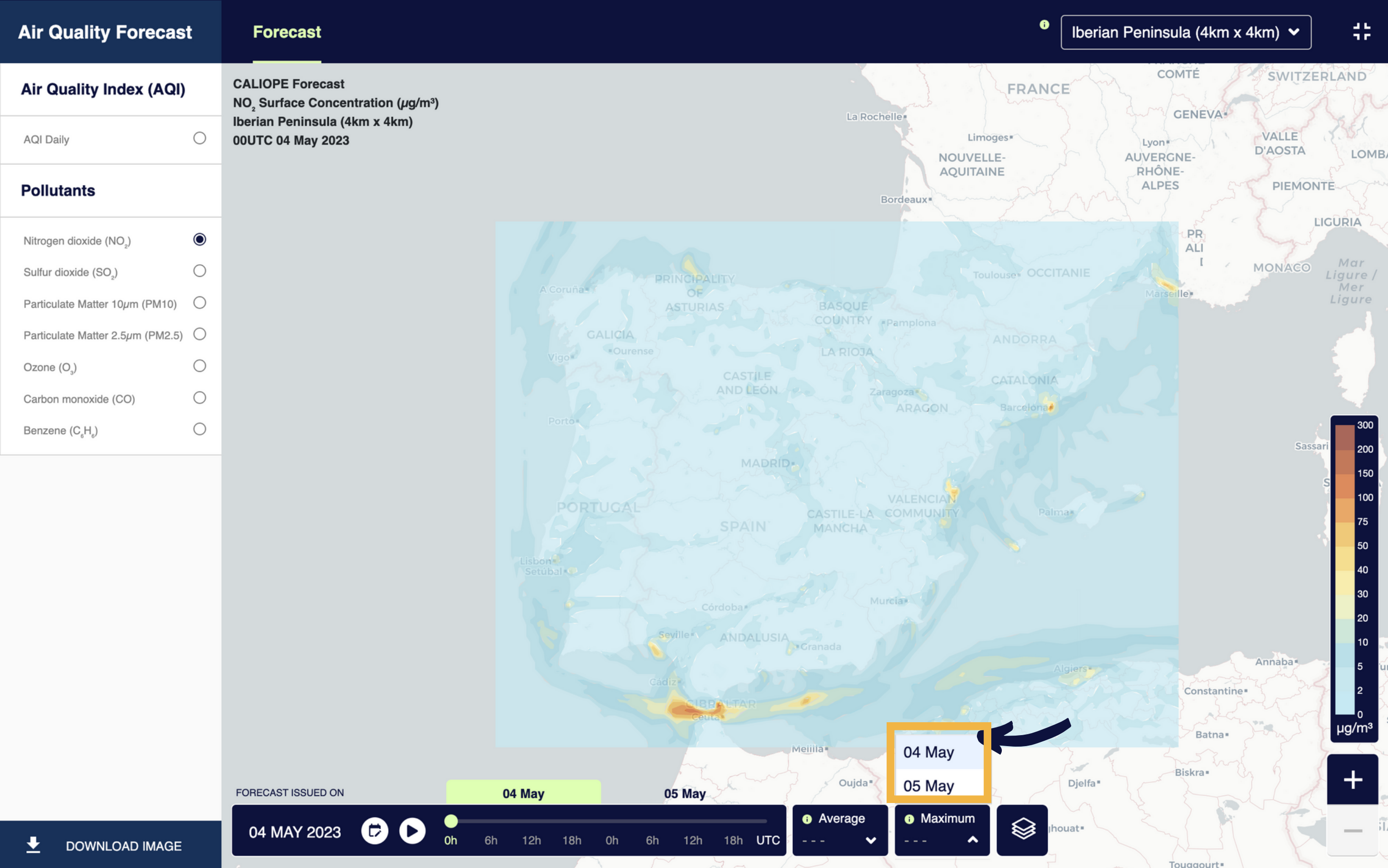
Fullscreen

Zoom in
Zoom out

4. Layers

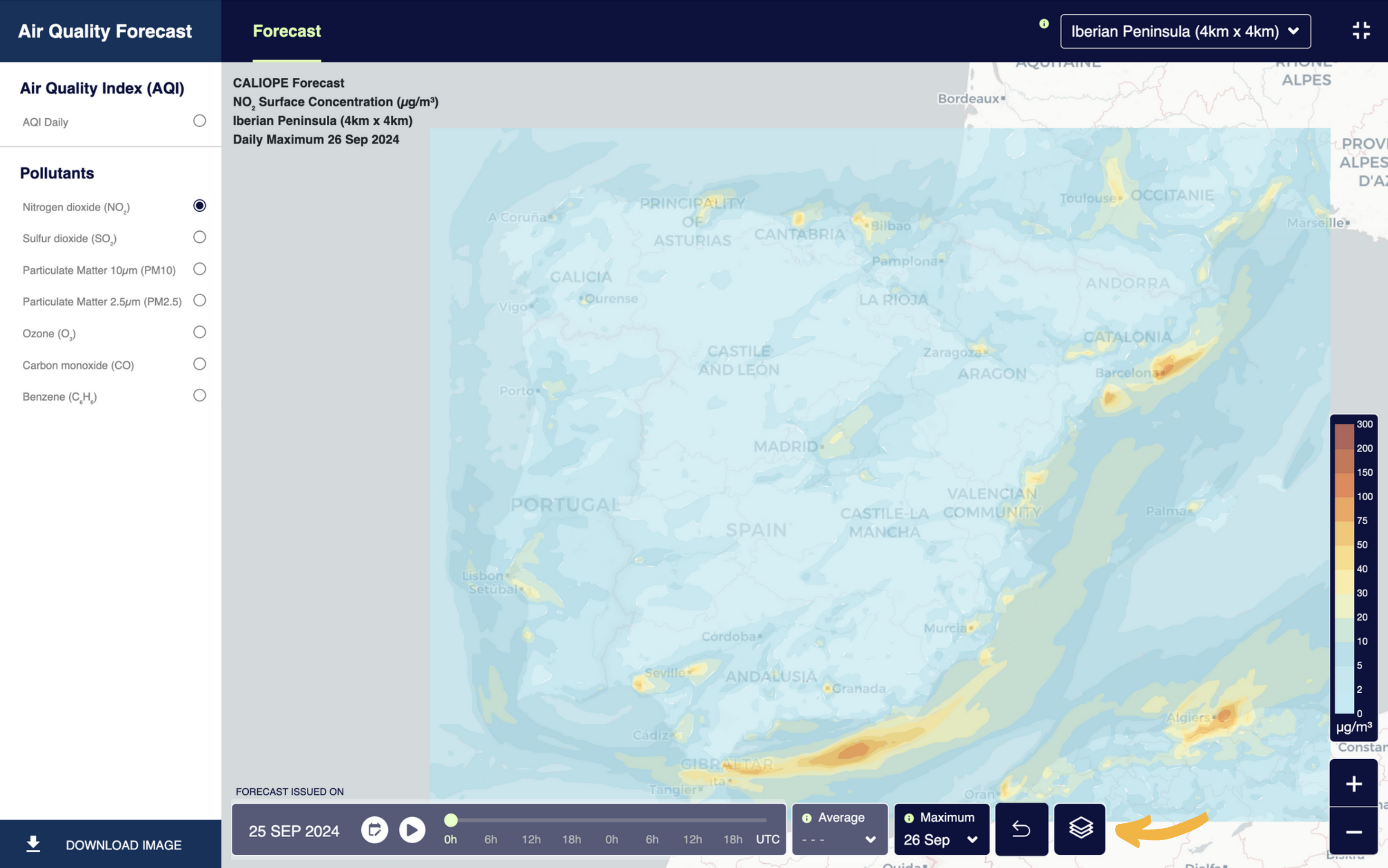


5a. Average/Max values maps



Select the date and view its **daily maximum data** on the map.

5b. Average/Max values maps

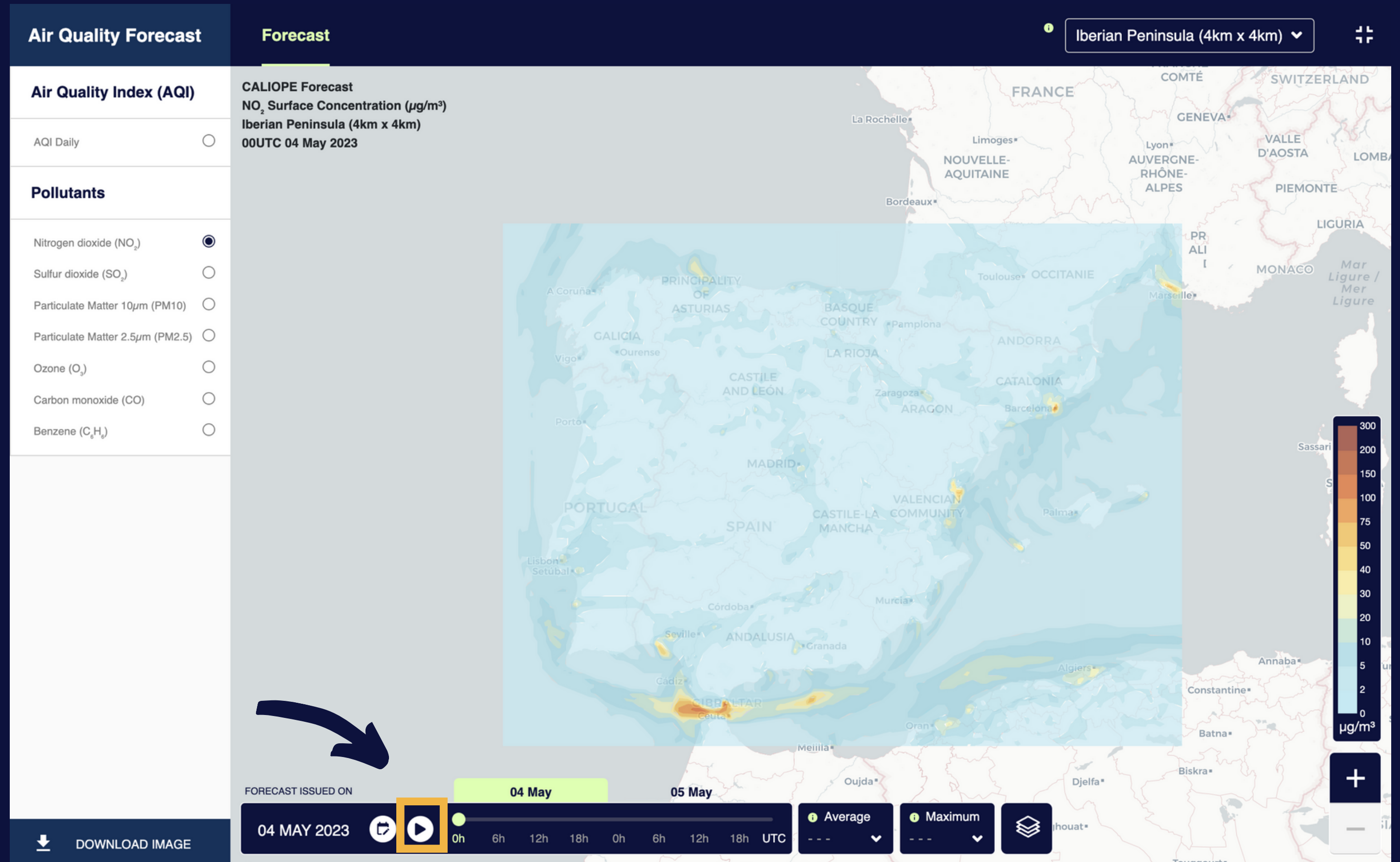


Select the date and view its **daily average data** on the map.

Note: Maximum and Average are static maps. In order to get back to the daily data click on the “return” button.

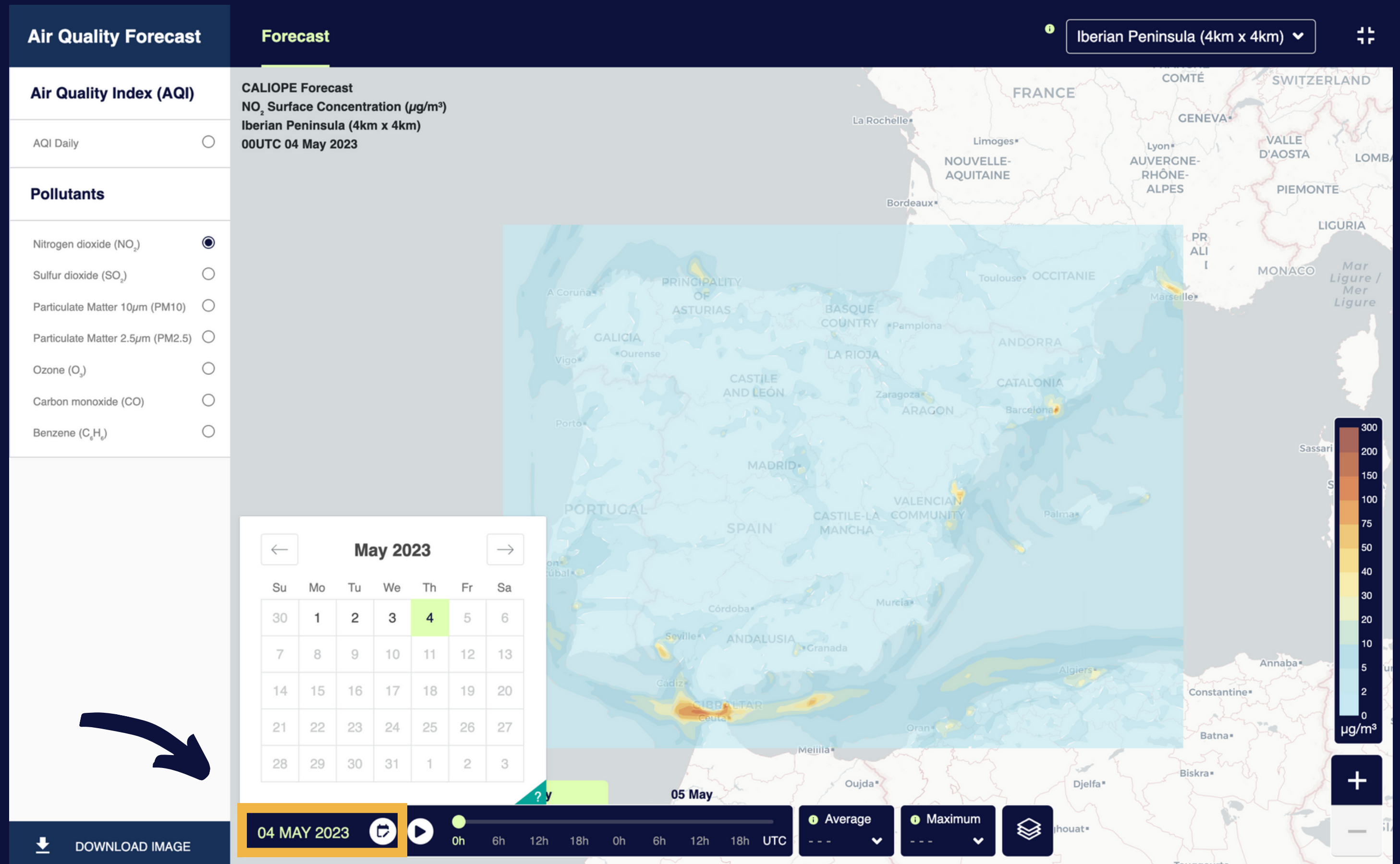
6. Timeslider

Press the **play/pause button** to view the data animation of the forecast during the day selected.



7. Select Date

Select **Day, Month, Year**
to view the forecast
issued data.



8. Download image/gif

Air Quality Forecast

Forecast

Air Quality Index (AQI)

AQI Daily

Pollutants

Nitrogen dioxide (NO₂)

Sulfur dioxide (SO₂)

Particulate Matter 10µm (PM10)

Particulate Matter 2.5µm (PM2.5)

Ozone (O₃)

Carbon monoxide (CO)

Benzene (C₆H₆)

DOWNLOAD IMAGE

CURRENT SELECTION

PNG FRAME

GIF ANIMATION

CALIOPE Forecast

NO₂ Surface Concentration (µg/m³)

Iberian Peninsula (4km x 4km)

00UTC 04 May 2023

04 MAY 2023

04 May

05 May

0h

6h

12h

18h

0h

6h

12h

18h

UTC

Average

Maximum

300

200

150

100

75

50

40

30

20

10

5

2

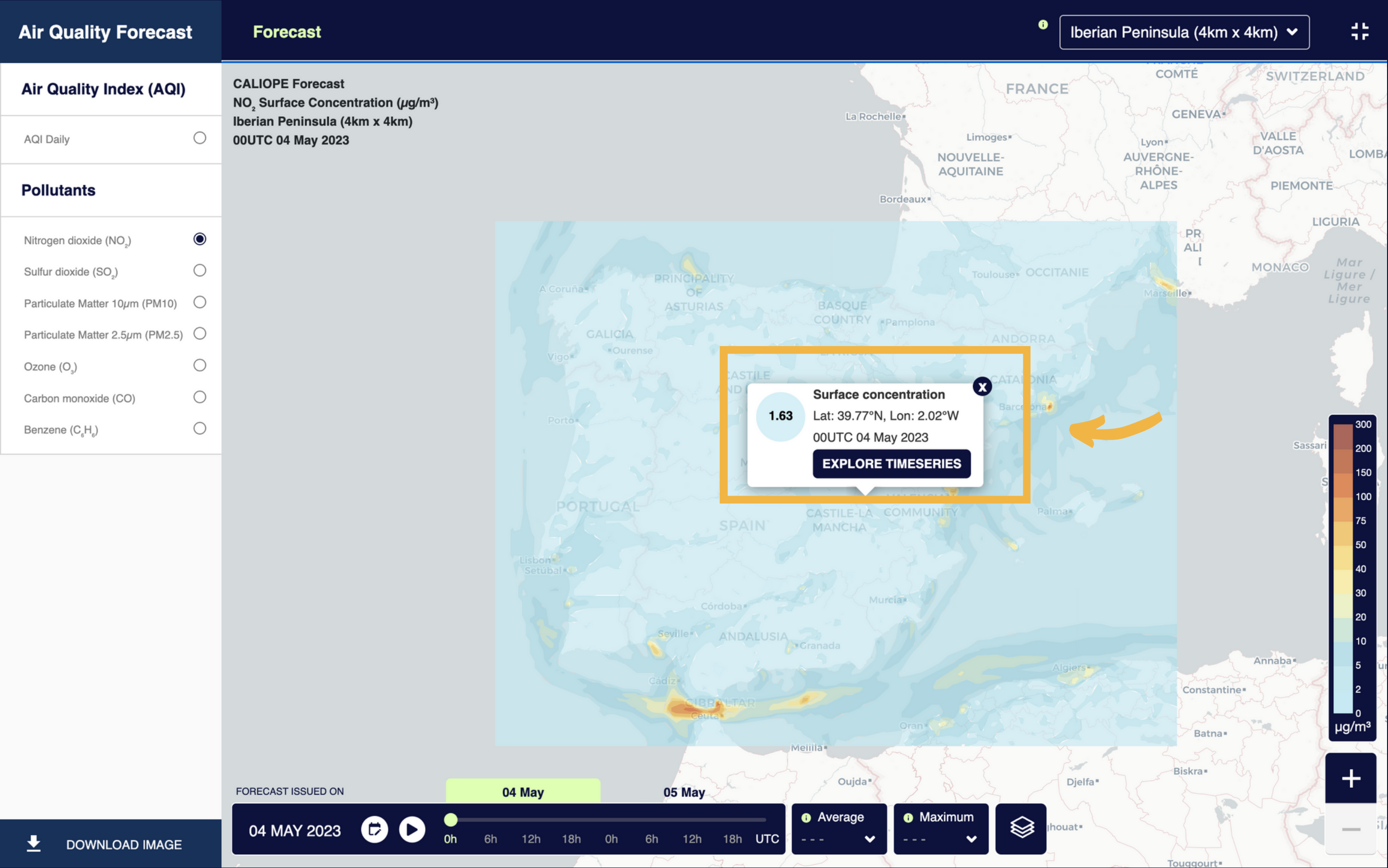
0

µg/m³

caliope-test.bsc.es/test-dashboard/?tab=forecast&pollutant=NO2&zoom=6&lat=40.372&lon=-0.901&date=20230504&step=0#

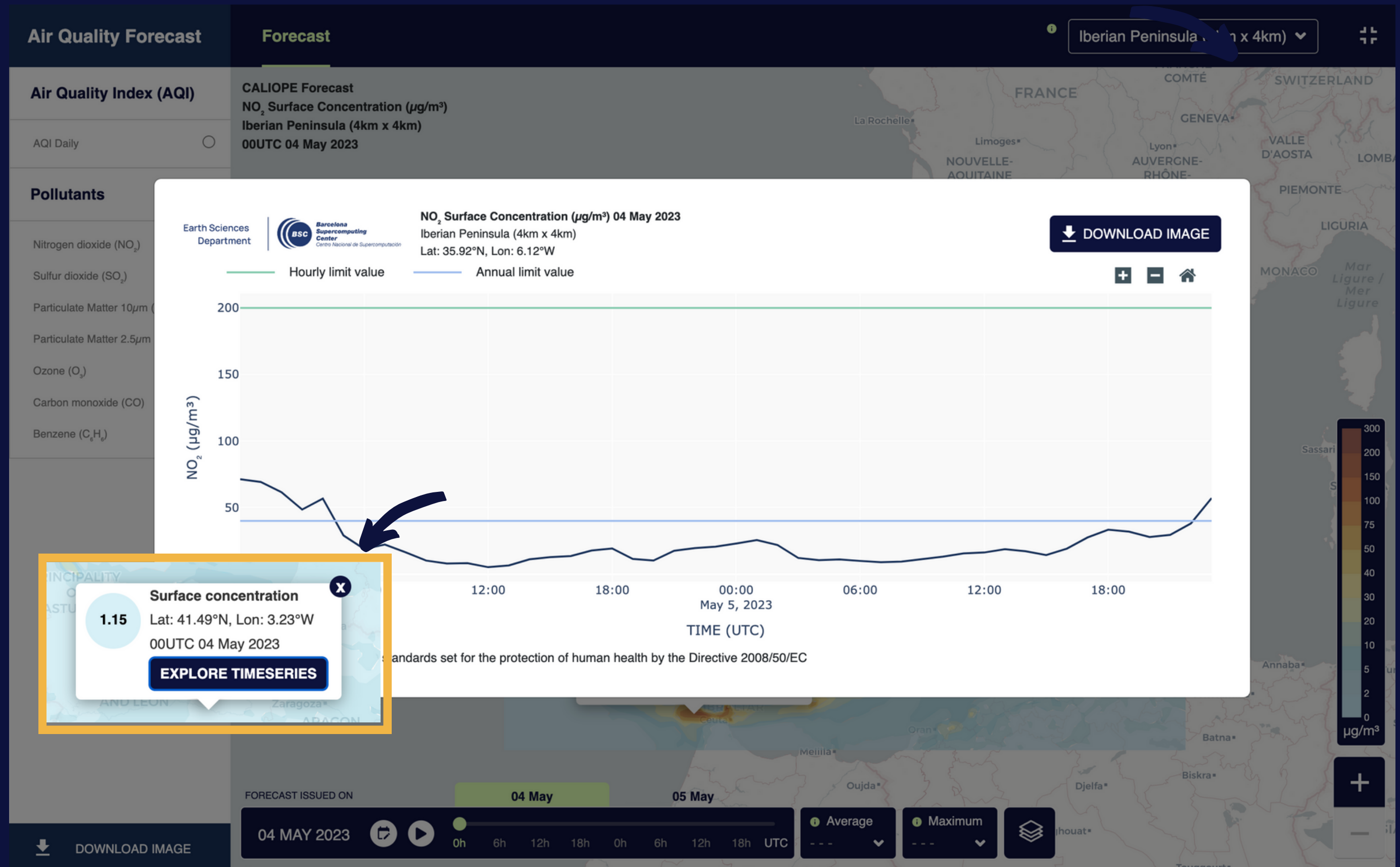
Download the selected displayed data in **image** or **animation**.

9. Value of pollutant concentration



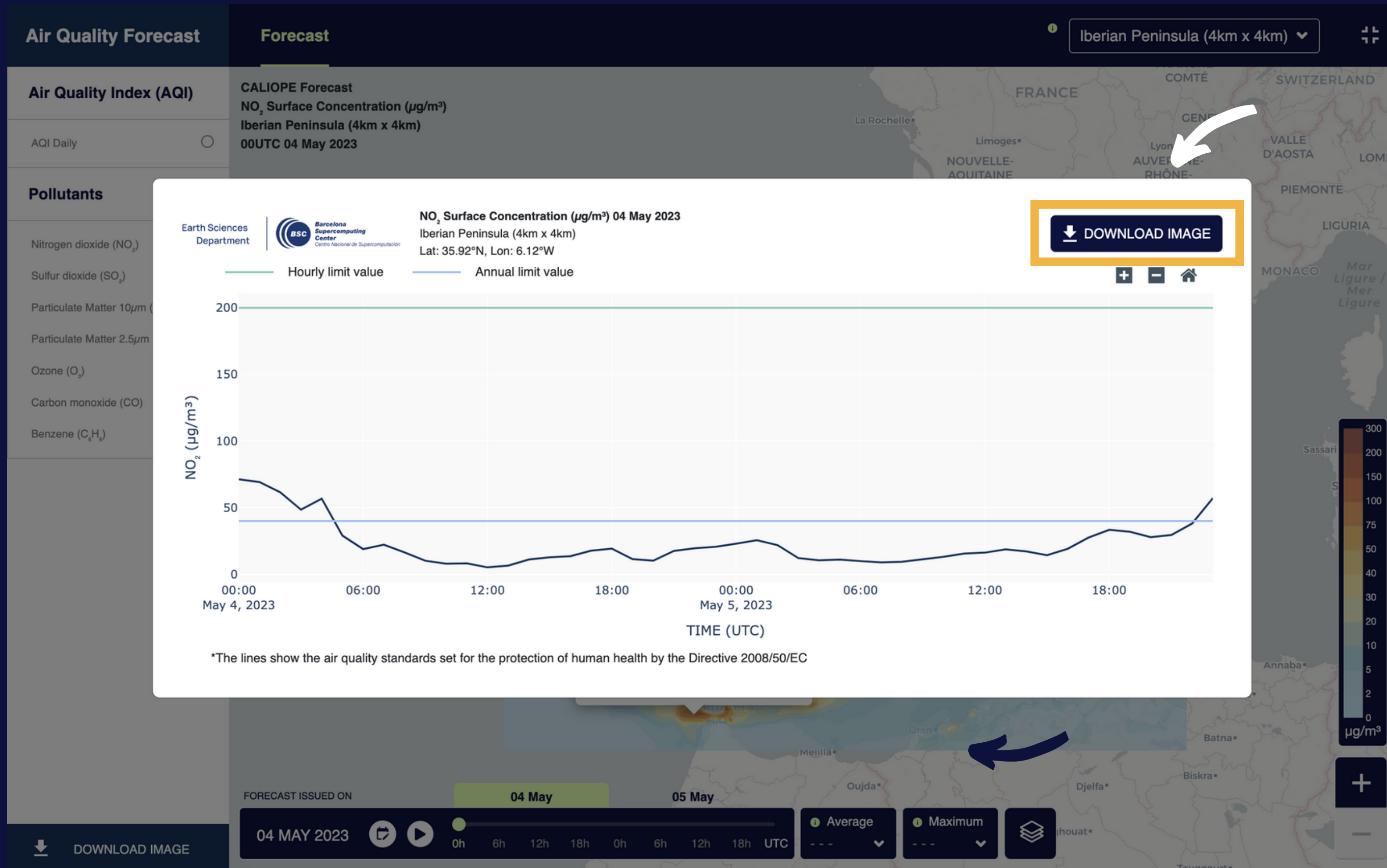
Click on the map to view the **value of the pollutant** concentration.

10. Explore timeseries



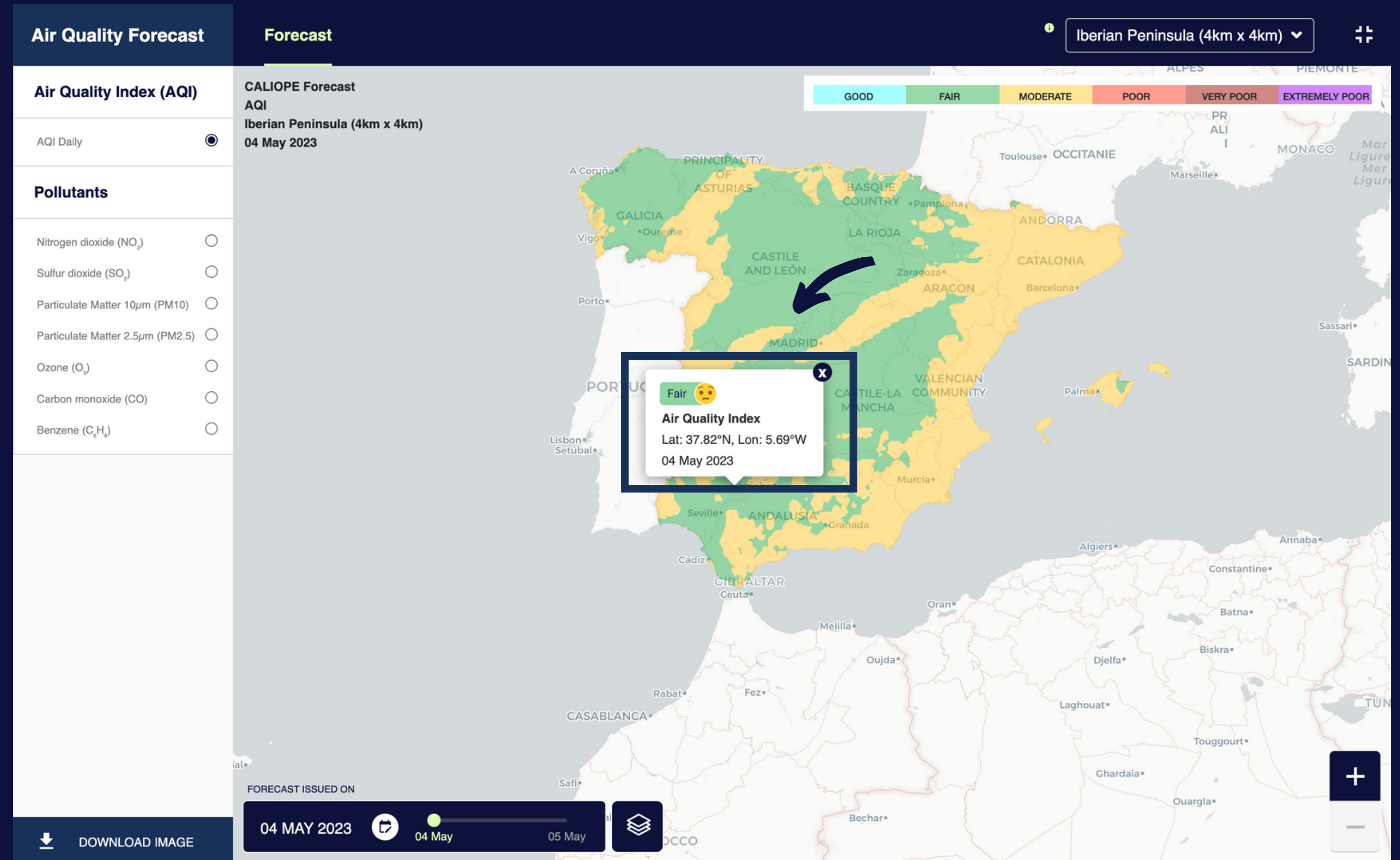
Click on the **“EXPLORE TIMESERIES”** button to view the evolution of the pollutant concentration during the forecast period.

11. Explore timeseries



Click on the **"DOWNLOAD IMAGE"** button to download the timeserie image.

12. Air Quality Index / Value of AQI



Click on the map of AQI to view the **value of Air Quality Index**



Thank you