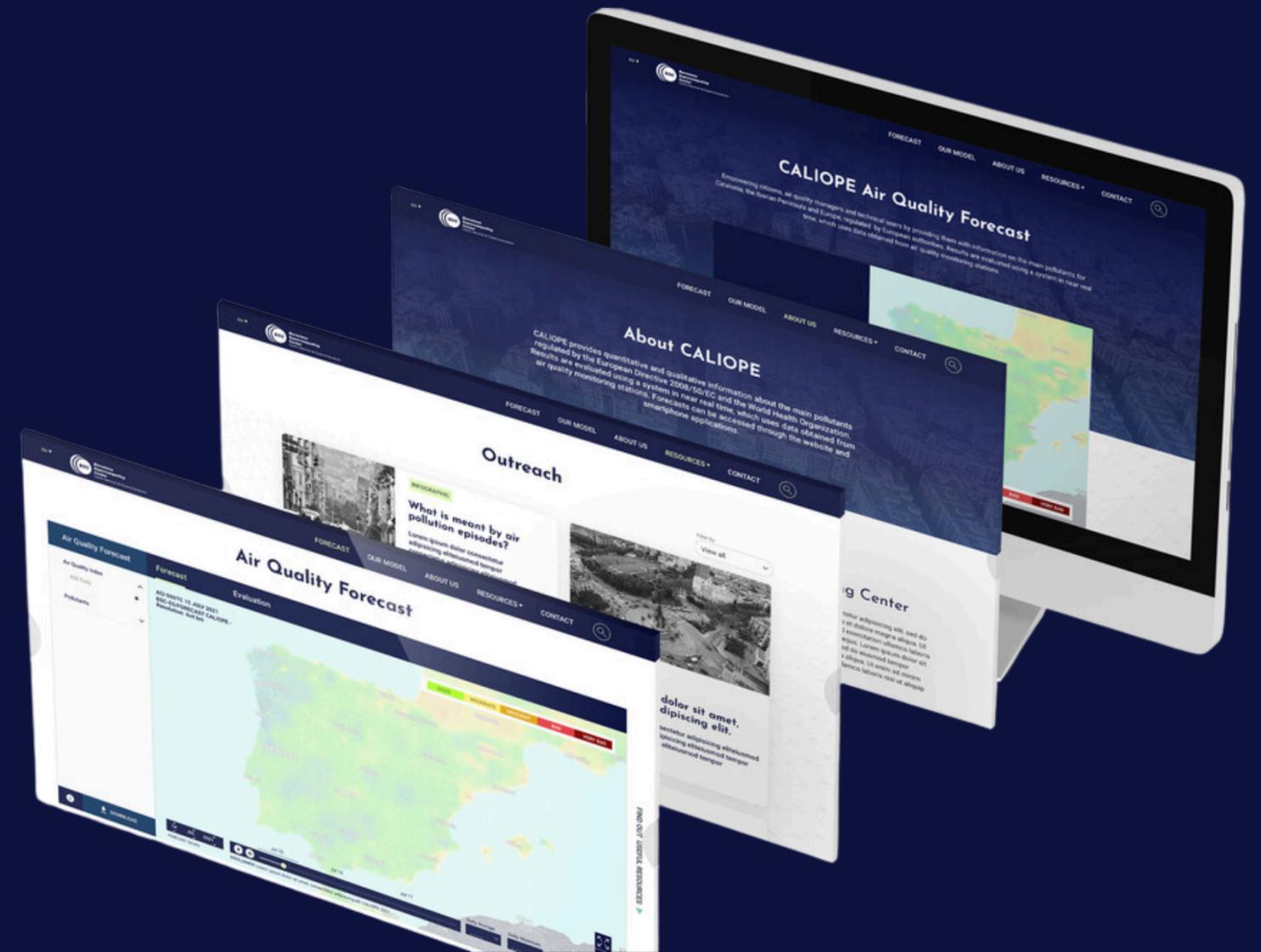


CALIOPE

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.





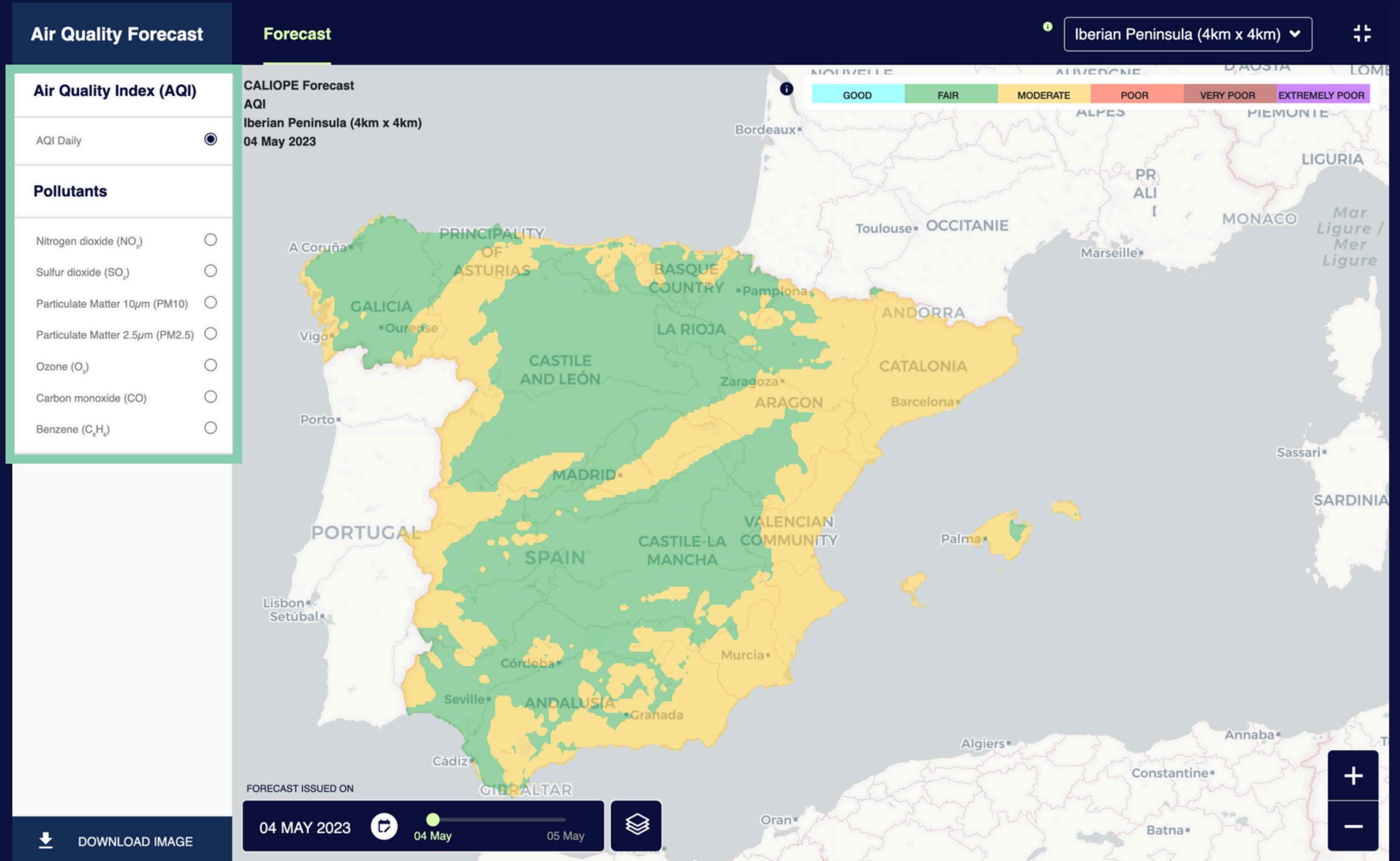
Index

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 - b. Average values
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10. Explore timeseries
11. Download image TimeSerie
12. Air Quality Index / Value of AQI

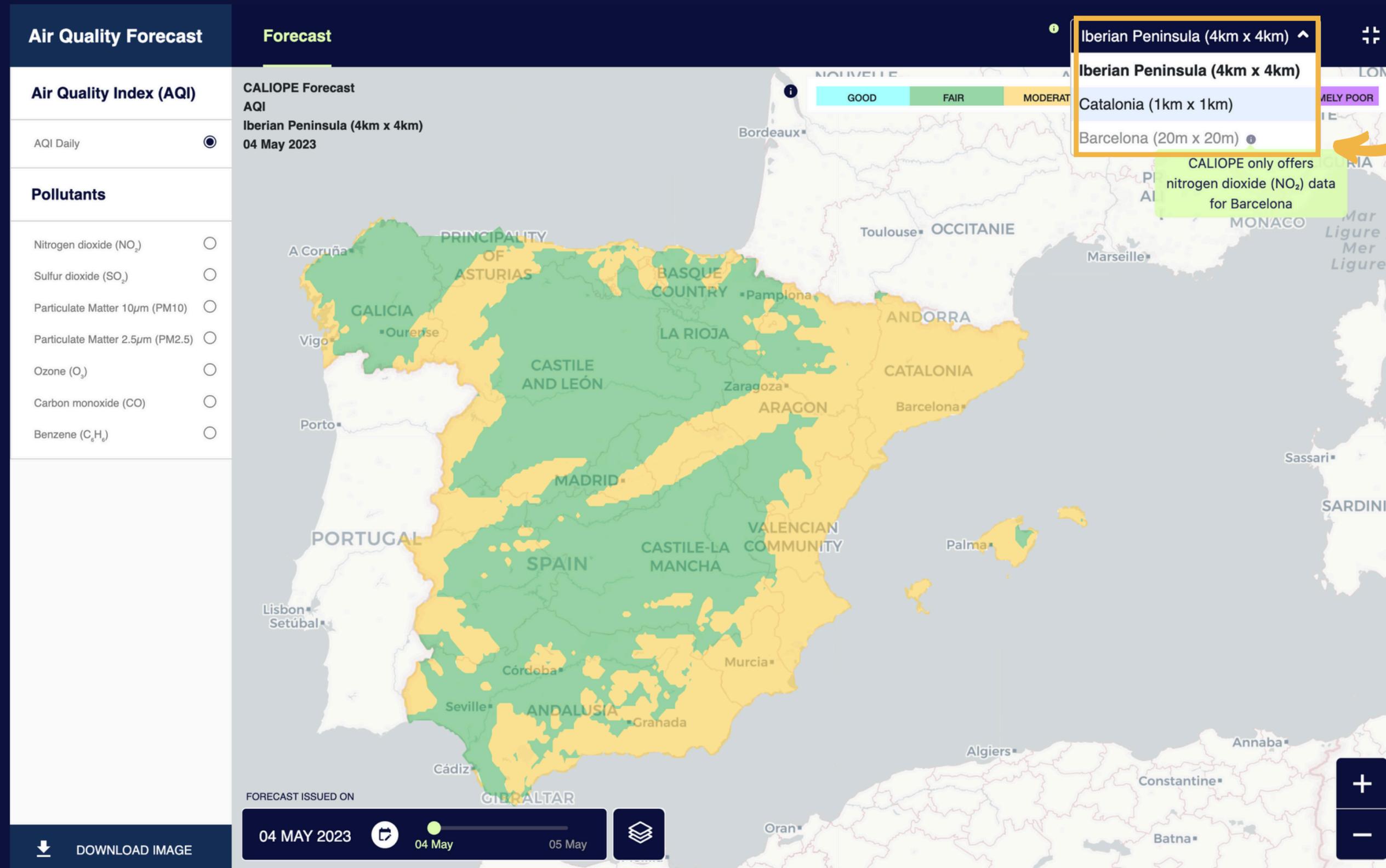
1. Navigate through AQI & Pollutants



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



2. Geographical Resolutions



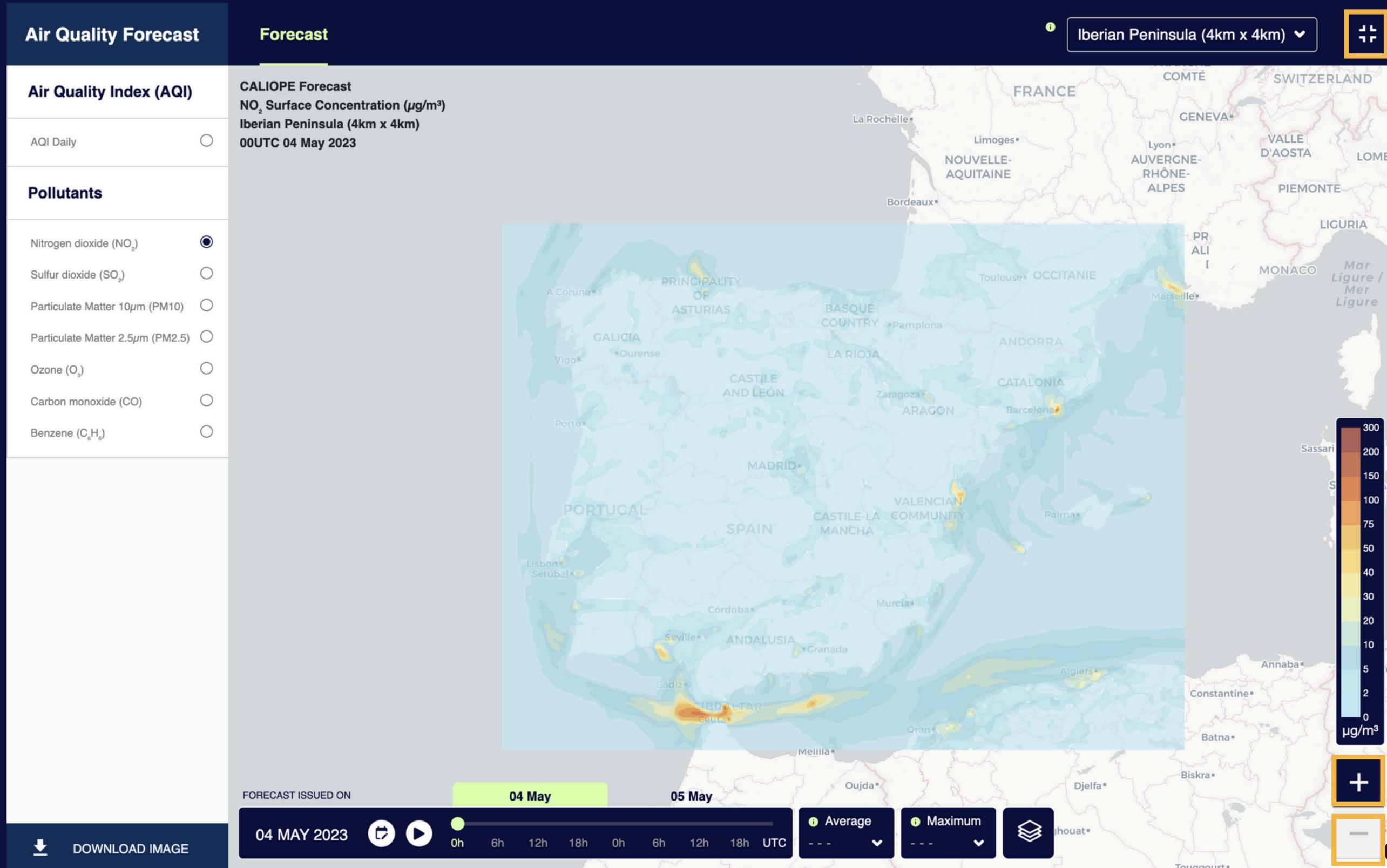
Change the geographical domain displayed, selecting among **Iberian Peninsula (4 x 4 Km²)**, **Catalonia(1x1km²)** or **Barcelona(20x20m²)**.

Note 1: Note that CALIOPE - URBAN for Barcelona domain, only offers data of Nitrogen dioxide (NO₂)

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

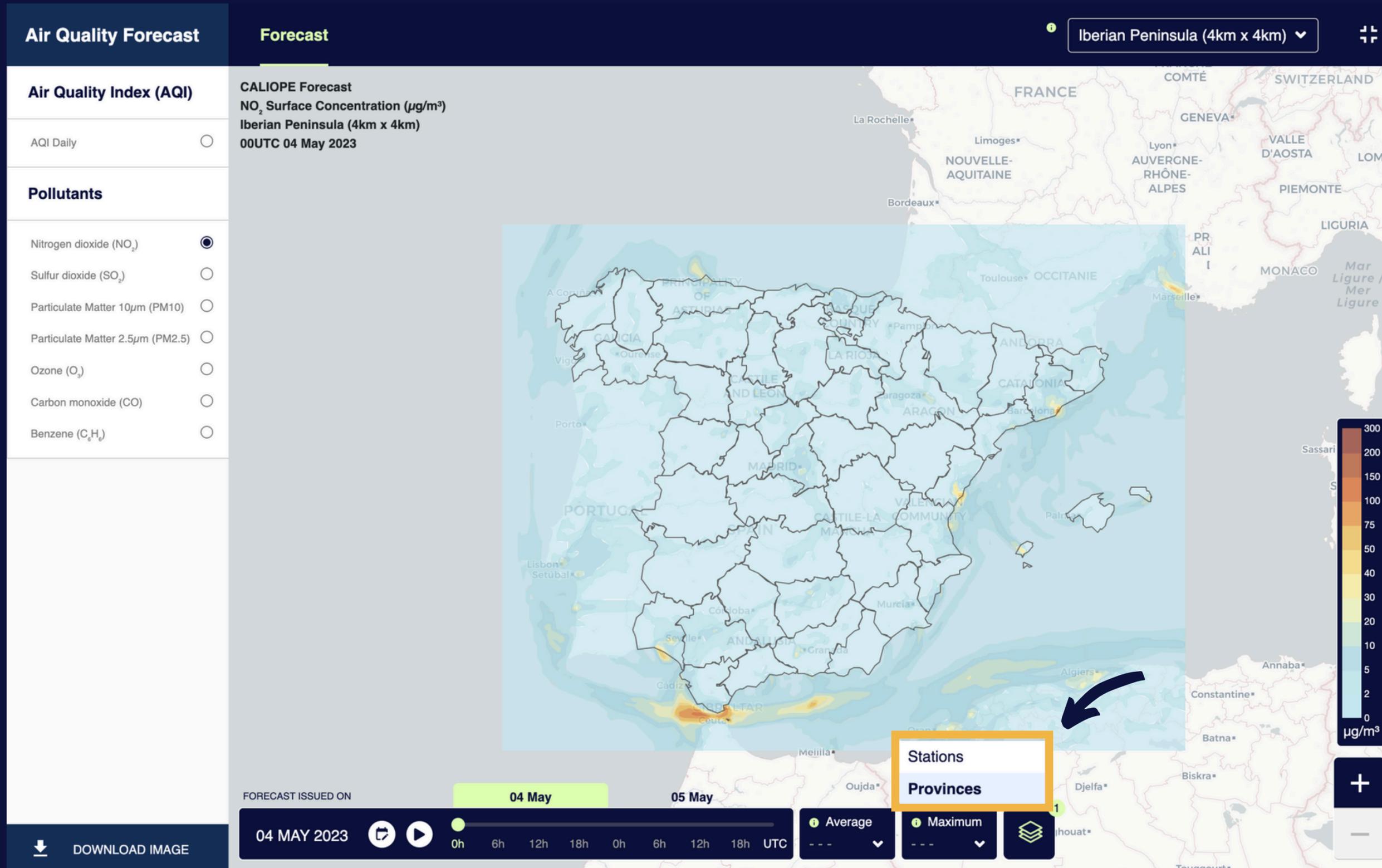
Fullscreen



Zoom in

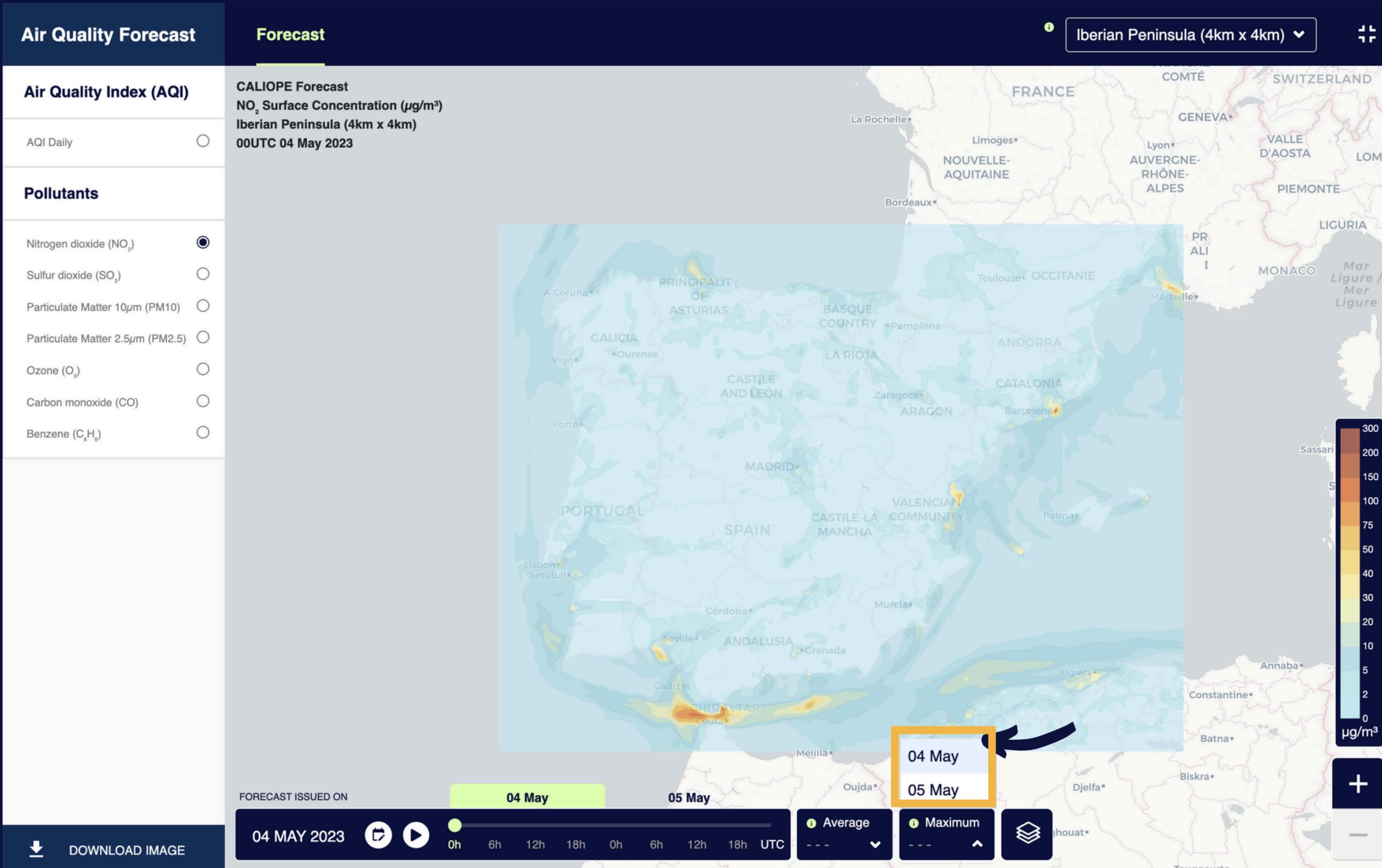
Zoom out

4. Layers



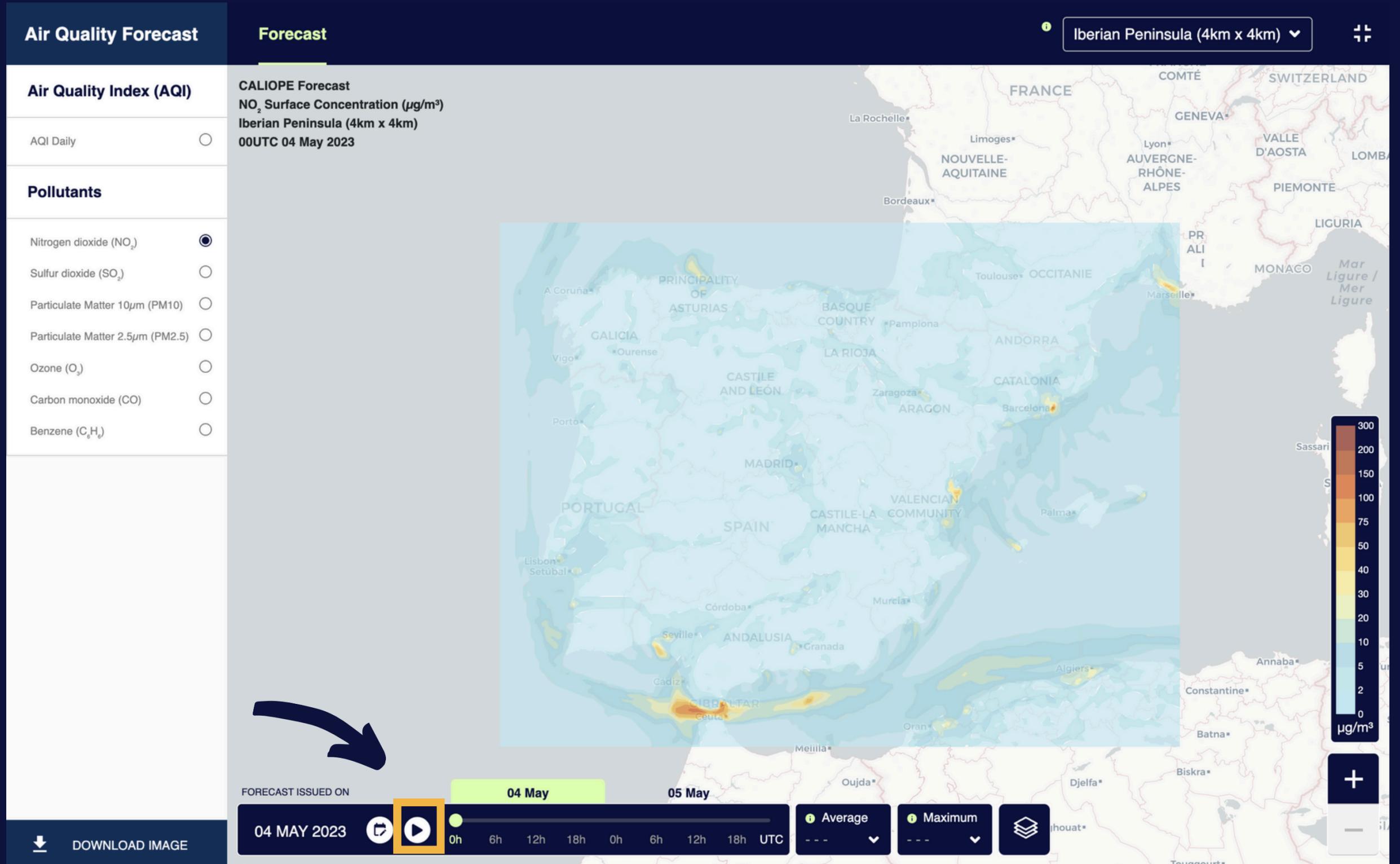
Add layers of information in the base map: **Air quality stations / Provinces**

5a. Average/Max values maps



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

6. Timeslider



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

7. Select Date

Air Quality Forecast

Forecast

Iberian Peninsula (4km x 4km)

Air Quality Index (AQI)

AQI Daily

Pollutants

Nitrogen dioxide (NO₂)

Sulfur dioxide (SO₂)

Particulate Matter 10µm (PM10)

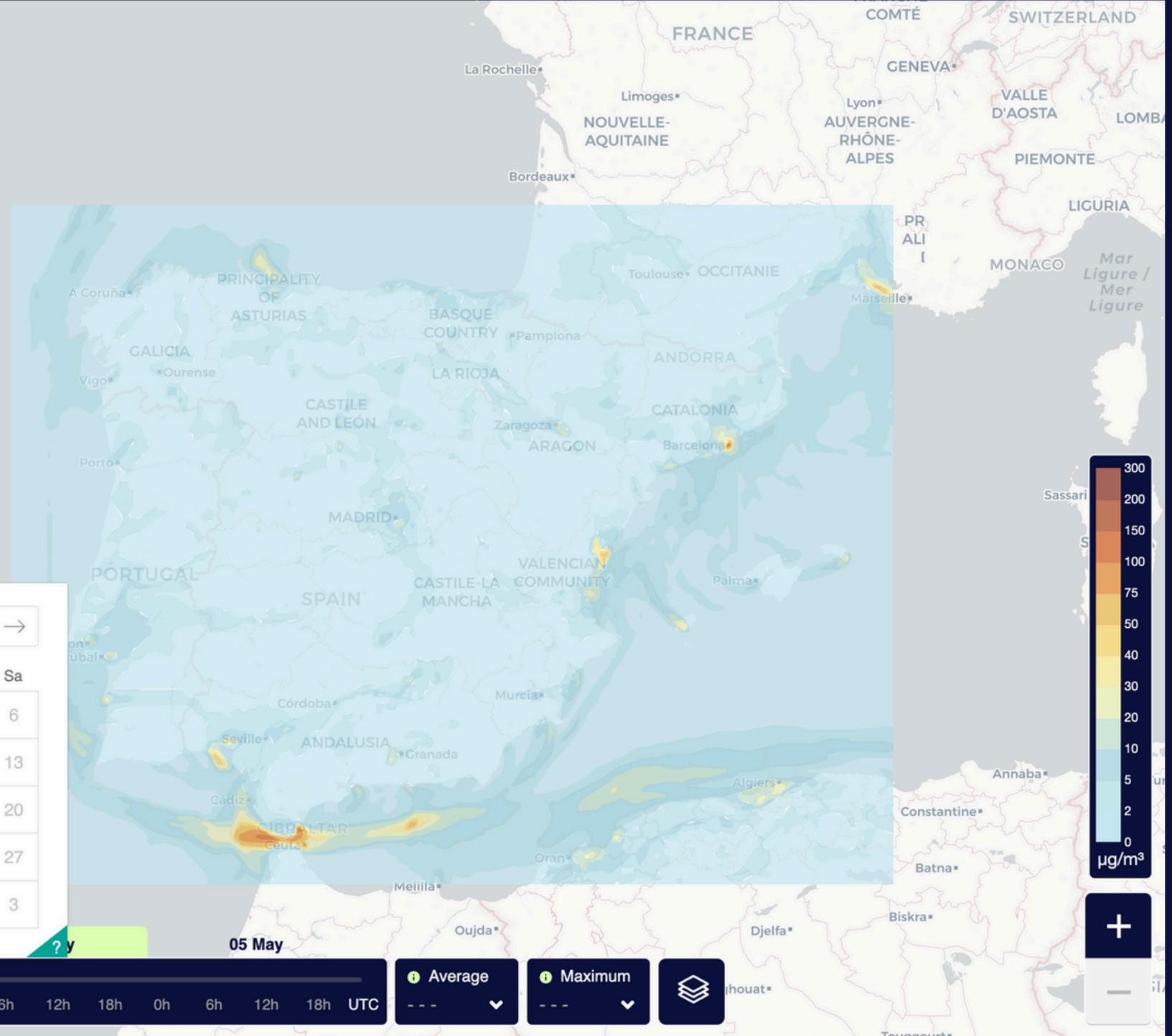
Particulate Matter 2.5µm (PM2.5)

Ozone (O₃)

Carbon monoxide (CO)

Benzene (C₆H₆)

CALIOPE Forecast
NO₂ Surface Concentration (µg/m³)
Iberian Peninsula (4km x 4km)
00UTC 04 May 2023



May 2023						
Su	Mo	Tu	We	Th	Fr	Sa
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3

04 MAY 2023 0h 6h 12h 18h 0h 6h 12h 18h UTC

Average Maximum

DOWNLOAD IMAGE

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



8. Download image/gif

Air Quality Forecast **Forecast** Iberian Peninsula (4km x 4km)

Air Quality Index (AQI)
CALIOPE Forecast
NO₂ Surface Concentration ($\mu\text{g}/\text{m}^3$)
Iberian Peninsula (4km x 4km)
00UTC 04 May 2023

Pollutants

- Nitrogen dioxide (NO₂)
- Sulfur dioxide (SO₂)
- Particulate Matter 10 μm (PM10)
- Particulate Matter 2.5 μm (PM2.5)
- Ozone (O₃)
- Carbon monoxide (CO)
- Benzene (C₆H₆)

DOWNLOAD IMAGE

CURRENT SELECTION

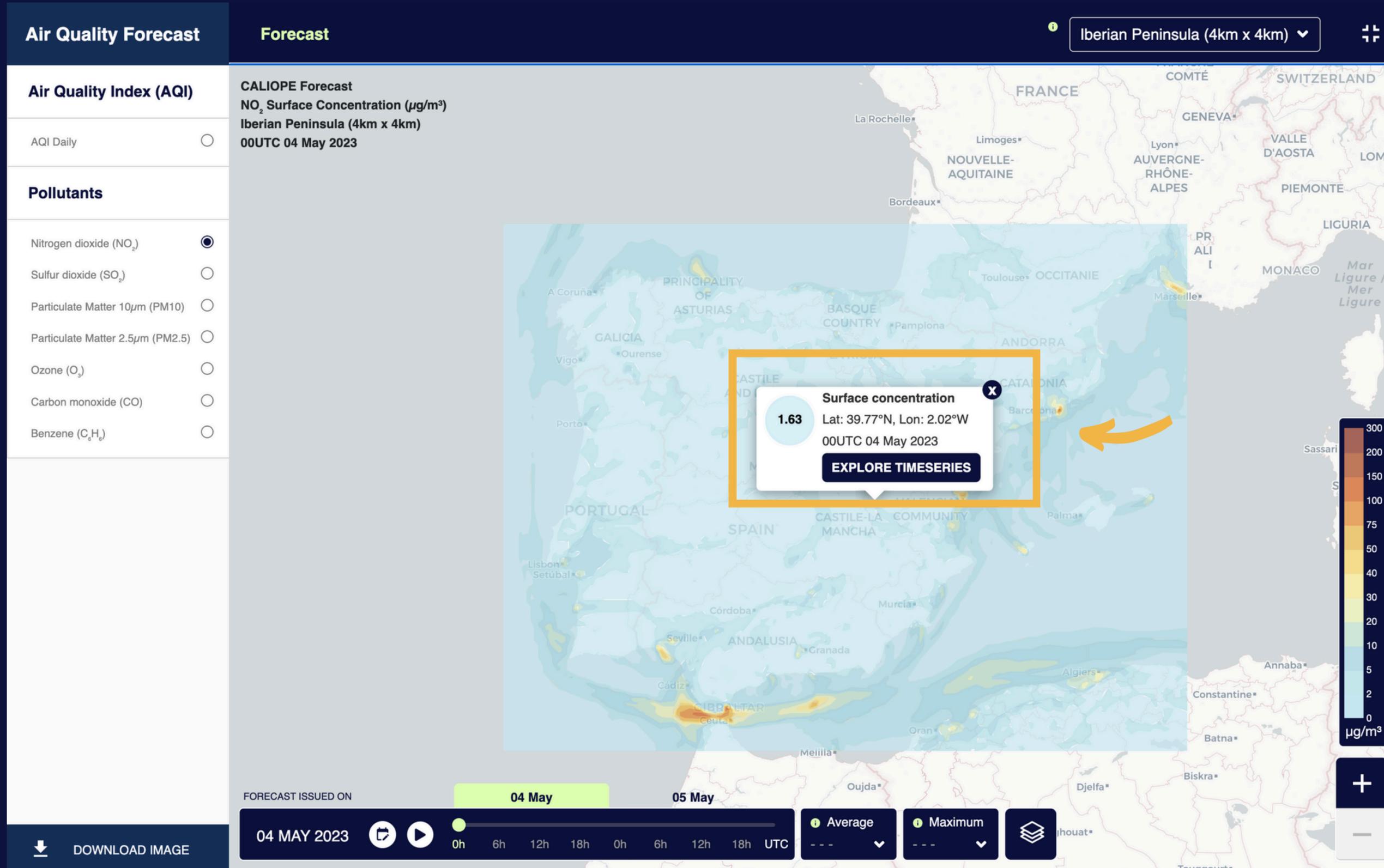
- PNG FRAME**
- GIF ANIMATION**

FORECAST ISSUED ON **04 May** **05 May**

04 MAY 2023 0h 6h 12h 18h 0h 6h 12h 18h UTC Average Maximum

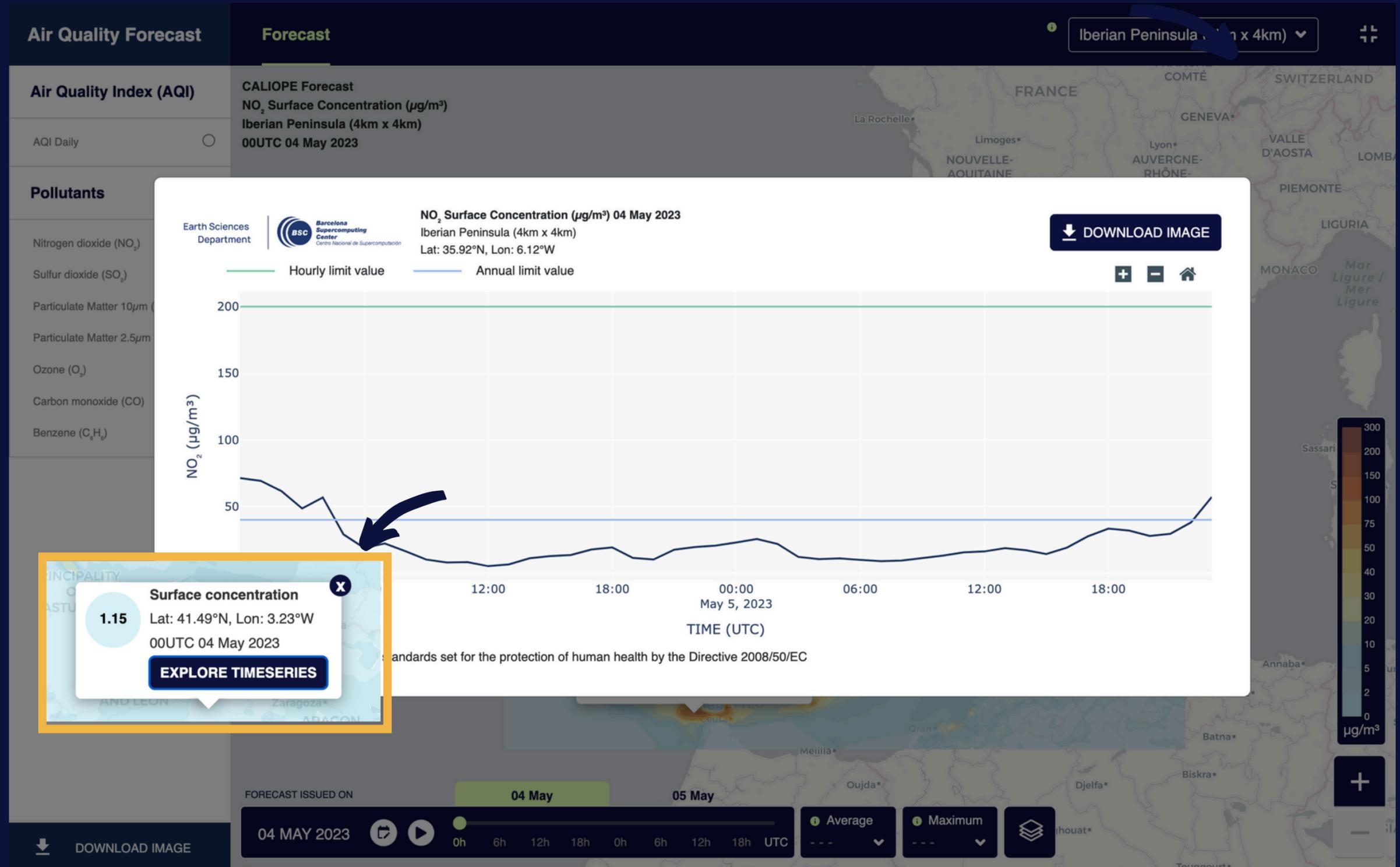
Download the selected displayed data in **image** or **animation**.

9. Value of pollutant concentration



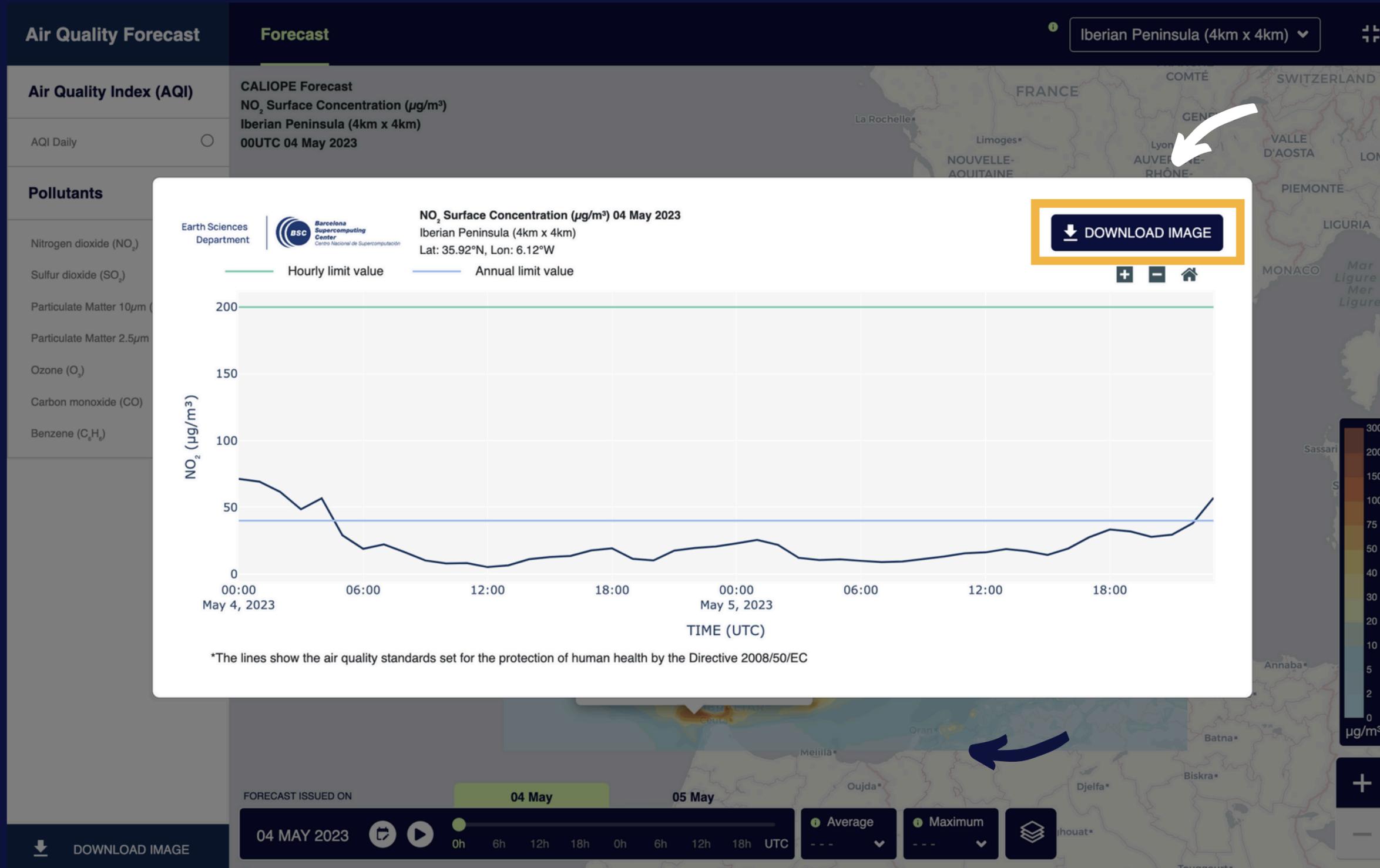
Click on the map to view the **value of the pollutant concentration**.

10. Explore timeseries



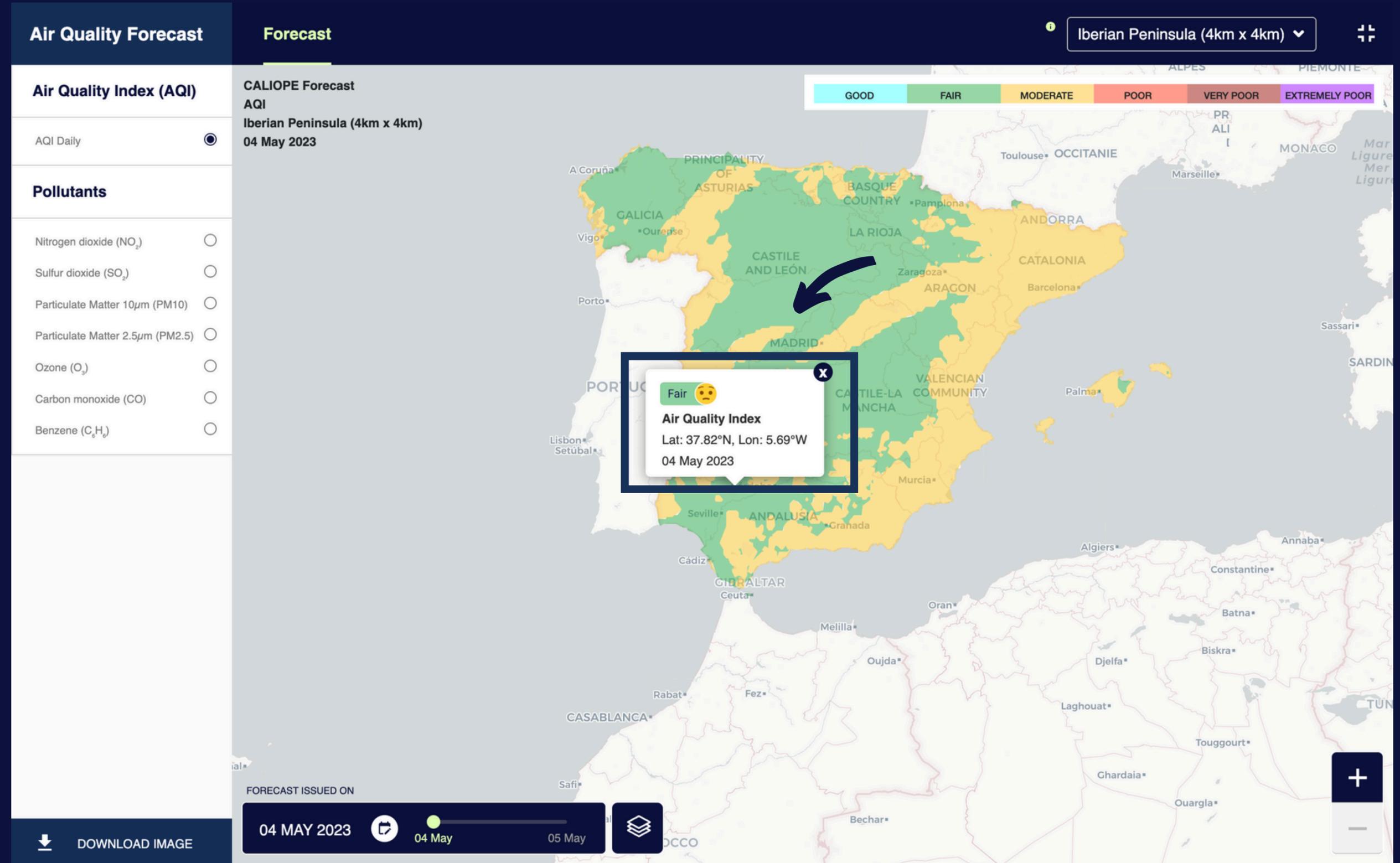
Click on the **“EXPLORE TIMESERIES”** button to view the evolution of the pollutant concentration during the forecast period.

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