

**Urban Greenhouse Gas Network**  
Metropolitan Area of Barcelona

Site: Select | Date: 1/5/2021 - 9/4/2026 | Day type: Select | Season: Select | Hour of the day (UTC): Select | Wind Speed: Select | Wind direction (from): Select

Welcome! Scroll down for more information:  
 These data are subject to periodic revision. Please contact the data provider for the most up-to-date information.  
 Interact with the map and charts. Click on a station or chart element to filter the data. Add  
 Use the right sidebar on the map to see the legend, add layers, and change the basemap!  
 Click on the sites to view specific information about them. Also use the bars at the bottom of the map to see photos and further information about modelling.

**Contact**  
 AMB.GHNetwork@gmail.com  
 Vanessa.Monteiro@uab.cat  
 For more info, visit: <https://webs.uab.cat/atmosphere/>

**Download**

- CO2 and CH4 hourly-averaged data: <https://citydata.icos-cp.eu/portal/>
- Meteorological dataset used for wind speed and wind direction filters were retrieved from Servei Meteorològic de Catalunya (<https://www.meteo.cat/>), and are available upon request

**Diurnal cycle: Carbon Dioxide**

**Simulated Planetary Boundary Layer Height (year ref: 2023)**

**Monthly mean: Carbon Dioxide**

**Land cover**

Map: Instituto Geográfico Nacional | Esri | TomTom | Garmin | CGIAR | USGS | FAO | METI/... Powered by Esri



**DASHBOARD**

<https://tinyurl.com/BCNGHGDASHBOARD>

**Explore carbon dioxide and methane datasets**

*We're working on this!  
 Your ideas and feedback are welcome!*



**SURVEY**

<https://forms.gle/bugNnfdBPXK4fdMr7>

Five cavity ring-down spectroscopy instruments continuously measuring atmospheric CO<sub>2</sub> and CH<sub>4</sub> with the goal to determine the efficacy of greenhouse gas emissions mitigation strategies.



## ICTA-UAB



Close to a very busy highway

## IDAEA



Urban park surrounded by buildings

## FABRA



Collserola Natural Park

## UPC-Agrópolis



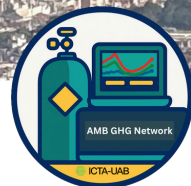
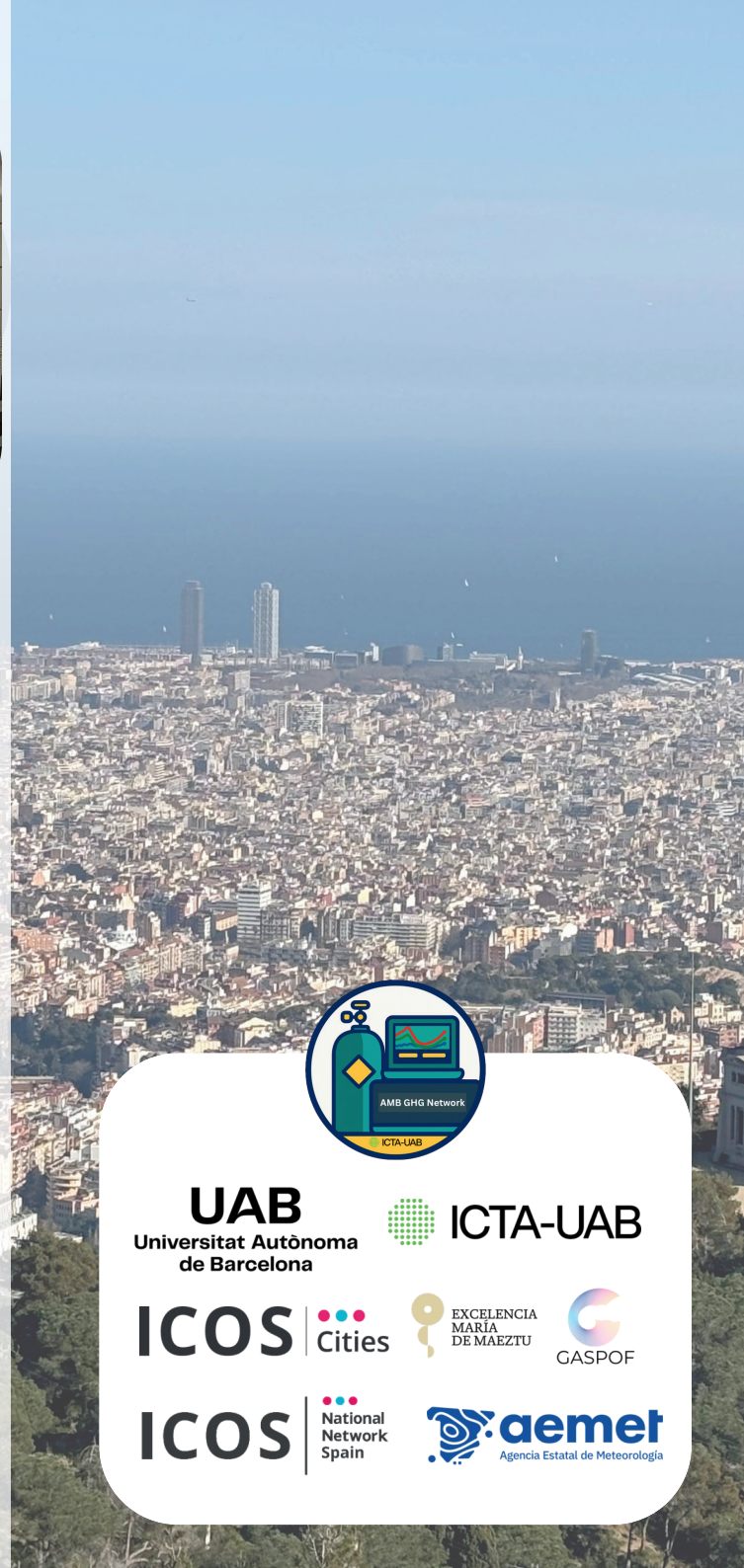
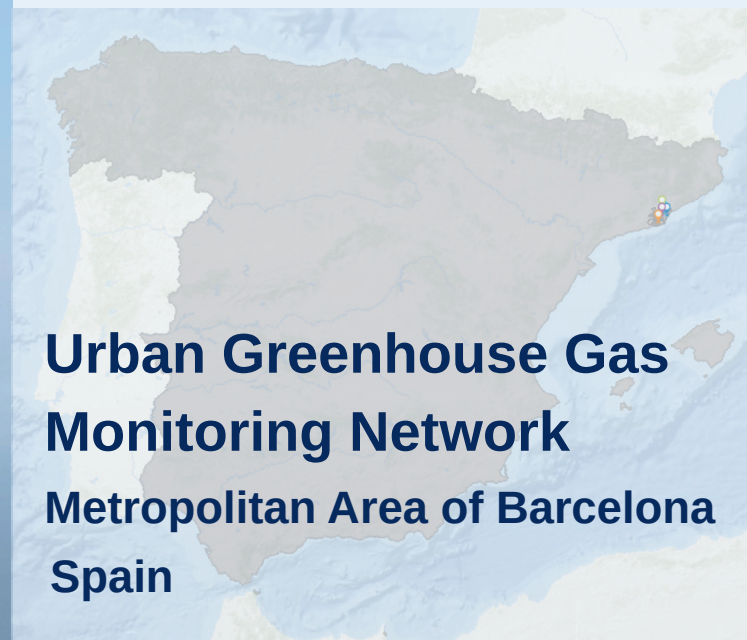
Agricultural use, close to the port and the airport

## ICM

Urban coastline



# Urban Greenhouse Gas Monitoring Network Metropolitan Area of Barcelona Spain



**UAB**  
Universitat Autònoma  
de Barcelona

 **ICTA-UAB**

**ICOS** | 

 EXCELENCIA  
MARIA  
DE MAEZTU

 GASPOF

**ICOS** | 

 **aemet**  
Agencia Estatal de Meteorología

**Contact:**

<https://webs.uab.cat/atmosphere>

[AMB.GHGnetwork@gmail.com](mailto:AMB.GHGnetwork@gmail.com)

[Vanessa.Monteiro@uab.cat](mailto:Vanessa.Monteiro@uab.cat)

[Gara.Villalba@uab.cat](mailto:Gara.Villalba@uab.cat)

