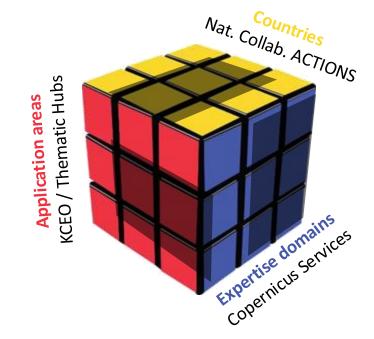


The Copernicus Thematic Hubs: A new approach towards the users

- **1. COORDINATE**: Improve coordination and information flow between Copernicus components, related projects and initiatives.
- 2. **CONNECT**: Create a user community by bridging scientific knowledge // technical expertise // specific user needs.
- **3. GAIN USER INTELLIGENCE**: Invest time to listen and understand users, develop value propositions, and collect user requirements.
- **4. INSPIRE**: Showcase how data can be integrated with other data/information through user stories and new demonstrators, foster ideas for further research and applications.
- 5. COLLABORATE: Leverage the collaboration/interactions with other Copernicus entities and external stakeholders.



ARCTIC HUB

COASTAL HUB

HEALTH HUB

ENERGY HUB









What is the Copernicus Health Hub?

The Copernicus Health Hub is a centralised platform providing Earth Observation data, products, and information to support activities related to human health protection. It serves a broad user base—including policymakers, researchers, private sector, NGOs and the general public—by offering tools, datasets, and insights for health-related applications.

The Copernicus Health Hub embraces the definition of the World Health Organisation (WHO): "Health is a state of complete physical, mental, and social wellbeing and not merely the absence of disease or infirmity."

The products offered by Copernicus Services comprehensively address these diverse aspects of health:



Physical health





Mental health





Wellbeing



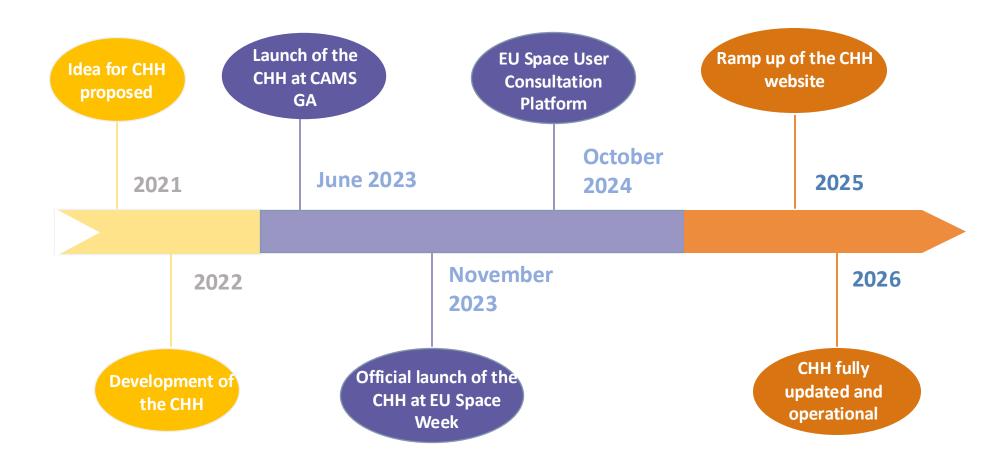








Timeline of the Copernicus Health Hub









Datasets

Free, full, and open access

Regulated access



UV index Air quality: PM, NO₂, Ozone Pollens



Ocean temperature and currents
Chlorophyll-a concentration
Dissolved oxygen
Ocean acidification



Heat & cold stress
Climate extreme value indices
Heat waves



Land cover
Burnt area
Lake water quality
Land Surface Temperature



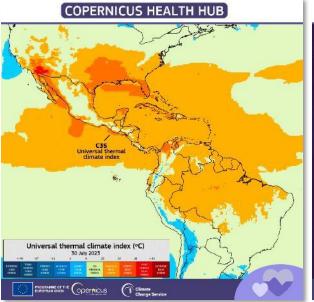
Global Flood Monitoring Droughts Wildfires

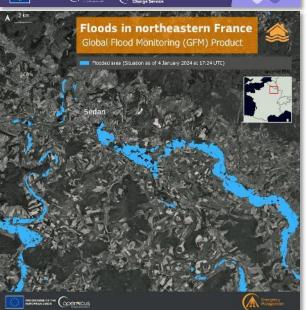


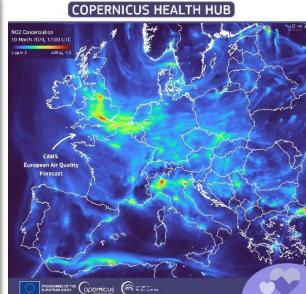
Critical Infrastructure Analysis
Road network status/accessibility
Traffic monitoring
Pre-frontier Monitoring Service

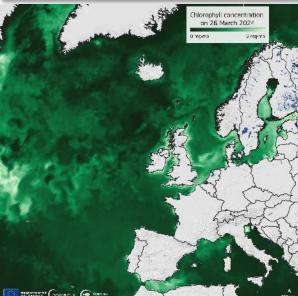






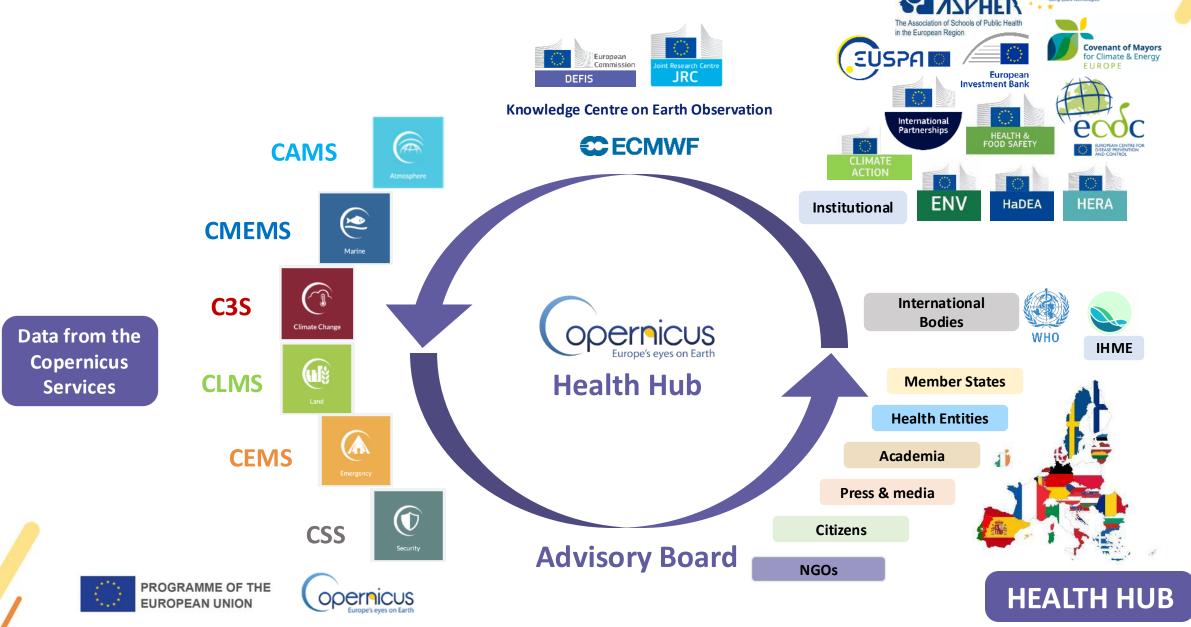








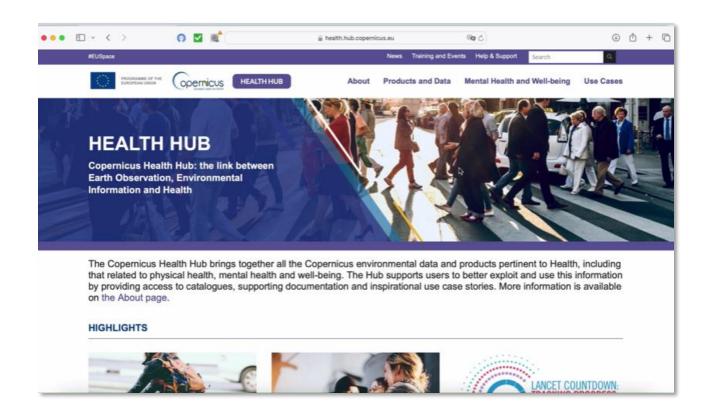
Copernicus Health Hub Ecosystem



nereus

What is currently available

- 26 Use Cases and User Stories
- Information on EU projects linked to health sector
- Access to 27 datasets
- Help and support



https://health.hub.copernicus.eu







What's coming up

- •Continuous development of the website, including the addition of new:
 - Articles
 - Use cases
 - Data visualisations
 - •Infographics
- •Future events and opportunities

There's much more to come!

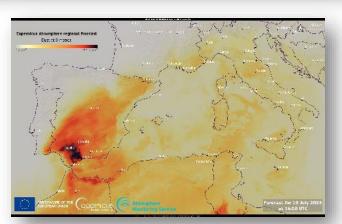
13TH JUNE 2023

Unlocking the power of Earth observation for health

This launch marks a new milestone in the European Union's Copernicus Earth observation programme. The Copernicus Health Hub is the first of several upcoming Copernicus Thematic Hubs, which aim to support users in specific domains in navigating the entire Copernicus portfolio.





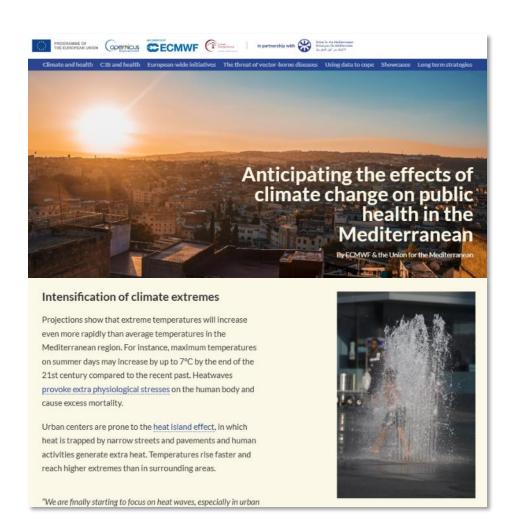


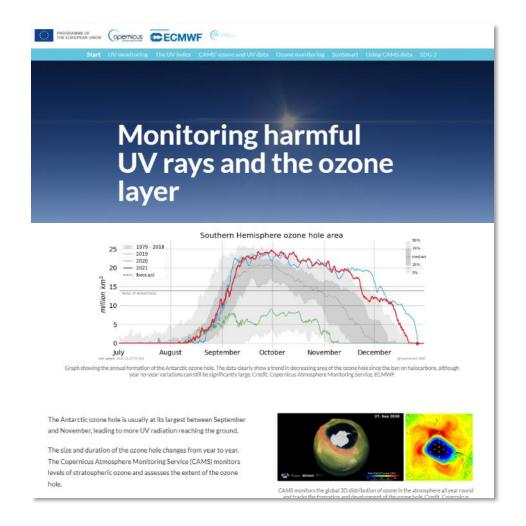






Examples of uses cases available













SOLUTIONS FOR MITIGATING CLIMATE-INDUCED HEALTH THREATS

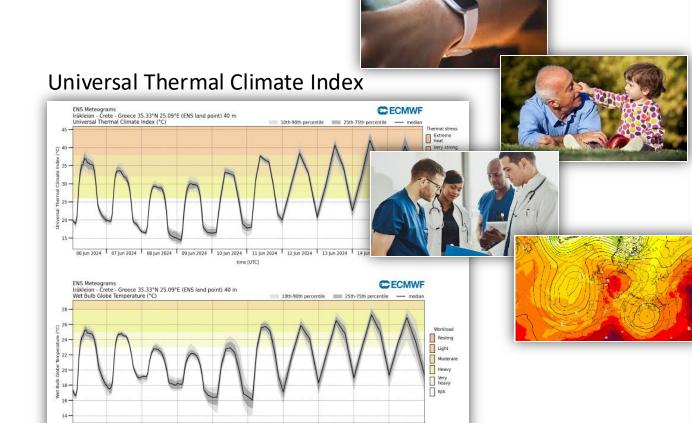
Horizon Europe (2022-2027)

Living labs to study climate and weather impacts on human health

LPart of the European Climate-Health Cluster

ECMWF: Process, quality control and store:

- L Observations collected at the labs
- L Forecasts (e.g. upcoming extreme weather event, such as heatwaves)



Wet Bulb Globe Temperature







We are eager to hear your voice!

Share your stories on how you combine Copernicus data and health information.

Questions? Contact us!



