



## Copernicus Health Hub

This template is provided for  
use in EGW2023  
presentations.

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We encourage you to use at  
least the first page.



PROGRAMME OF THE  
EUROPEAN UNION



HEALTH HUB



# A new approach to the users: Copernicus Thematic Hubs

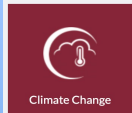
## Primary Goals (as for the EC-ECMWF agreement)

- Copernicus **single entry point** for a specific sector
- traceable back to **specific EU policy needs**
- **simplified access** (simple, user friendly, subject oriented, documented) to key existing Copernicus products

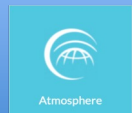
Additional goals are:

- ✓ Provide **technical knowledge and expertise** on data/products
- ✓ Showcase how the data can be **integrated** with other data/information (**user's stories**)
- ✓ **Inspire new** studies, projects, applications development based on Copernicus data
- ✓ **Improve the coordination** amongst different projects and initiatives
- ✓ **Leverage the collaboration/interactions** with other organizations and MSs
- ✓ Provide **guidance and capacity building**

Application areas  
KCEO / Thematic Hubs



ENERGY



HEALTH

# Roadmap



**June 2022:** DEFIS' request to start with the Health Hub



**September 2022:** DEFIS' request to start with the Energy Hub



**14 June 2023:** Copernicus Health Hub (CHH) pre-launch during the CAMS General Assembly

- <https://atmosphere.copernicus>



**13 September 2023:** Copernicus Energy Hub (CEH) pre-launch during the C3S General Assembly

<https://climate.copernicus.eu/6th-c3s-general-assembly>



**7 November 2023:** Copernicus Thematic Hubs **FORMAL LAUNCH** during the EU Space Week

# Implementing process

- To understand their needs
- to act as a Copernicus SINGLE VOICE
- to promote the use of Copernicus products
- to collect user requirements & feedback

**Reach out to thematic user communities**

HEALTH HUB

**Closer interactions with EEs to collect information**  
(products, user cases, tools, applications)

ADVISORY BOARD



DG SANTE,  
Lancet Countdown,  
EEA, WHO-WMO



# Users intelligence on the demand side



- Who are the users
- What the users want
- Why they need it

- European and International institutions
- Member states
- Private sector
- Research projects



- to support policy needs
- to take informed decisions
- to support in developing strategies
- to plan and develop operational systems e.g. for energy transition or health services

- Information / inspiration
- Tools and applications
- Quality controlled and long-time series of environmental info/dataset



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# Web-page & catalogue

<https://health.hub.copernicus.eu/>

#EUSpace News Training and Events Help & Support Search

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About Products and Data Use Cases

VIEW EDIT CLONE

## HEALTH HUB

Copernicus Health Hub: the link between Earth Observation, Environmental Information and Health

The Copernicus Health Hub brings together all the Copernicus environmental data and products pertinent to Health, including that related to physical health, mental health and well-being. The Hub supports users to better exploit and use this information by providing access to catalogues, supporting documentation and inspirational use case stories. More information is available on the [About page](#).

### HIGHLIGHTS

- Physical Health
- Mental Health & Well-being
- In Focus  
Read inspirational stories where Copernicus data have been used in relation to health.

### QUICK LINKS

- Products & Data  
Data, products and information from Copernicus that are relevant to health
- Training & Events  
The information you need to harness our service through workshops, trainings and online resources.
- Use cases  
A range of showcases around key health issues that communities face across Europe.
- Help & Support  
You have a question, we might have the answer

ECMWF

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## Health Hub

List of resources

Info 1 Sep 2023 The Health hub is under development 1/2

### Dive into the collection of resources that Copernicus Services offer for the Health sector

Search

About Copernicus WEKEO

Contact us

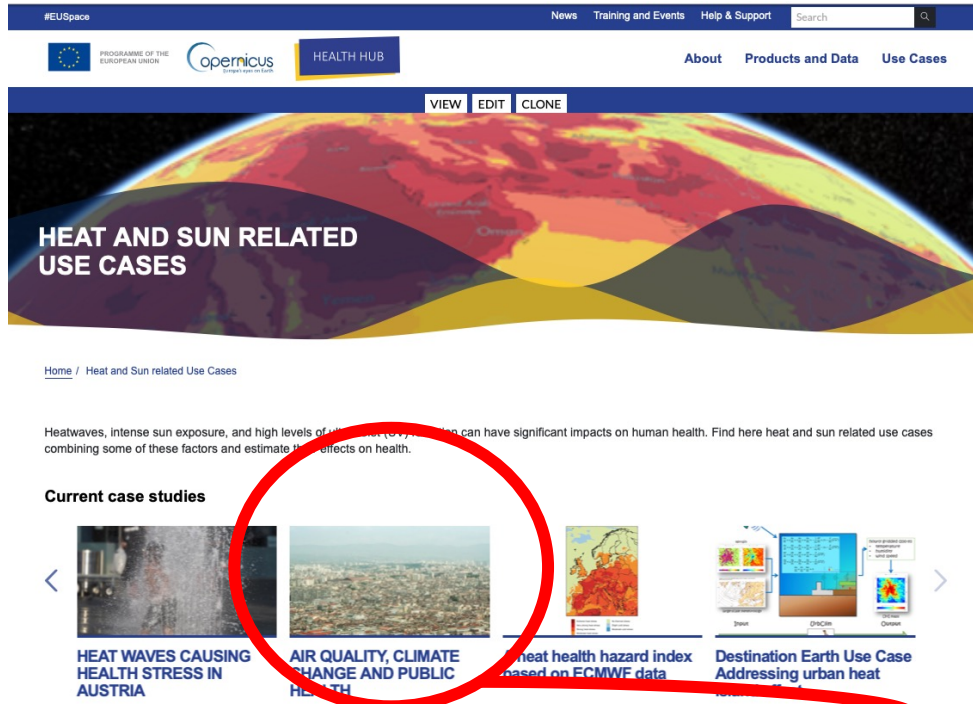
PROGRAMME OF THE EUROPEAN UNION Copernicus Europe's eyes on Earth IMPLEMENTED BY ECMWF

# Use case example from the

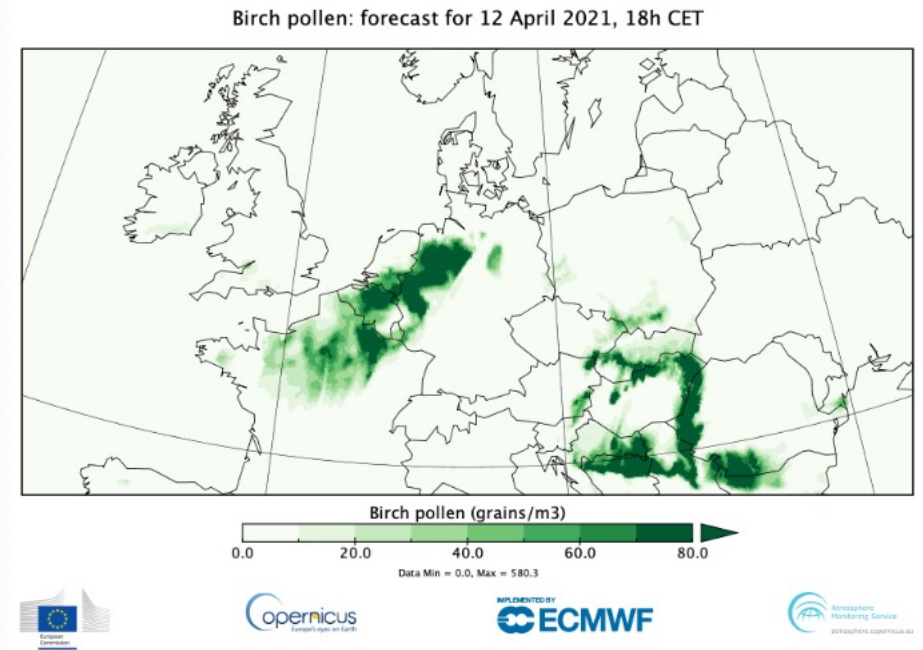
## Air quality, climate change and public health.

<https://health.hub.copernicus.eu/heat-and-sun-related-use-cases>

CAMS uses numerical modelling and observational data to monitor pollen concentrations of the most common species – currently alder, birch, olive, grass, mugwort and ragweed – at a resolution of around 10 kilometres, and provide forecasts up to four days in advance



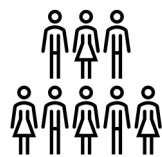
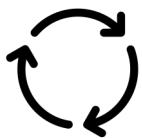
Scientists believe that more people are becoming sensitive to pollen as the climate changes. In 2007, it was estimated that 40% of the European population suffered from some form of pollen allergy. Aside from the obvious health impacts, this has a big impact on the economy; in 2014, it was predicted that people being



CAMS forecast of birch pollen for 12 April 2021. Credit: Copernicus Atmosphere Monitoring Service/ECMWF.

## Next steps

- Further development of the web pages/catalogues:
  - Progress from subset to full set of data and user stories
  - Include relevant outcomes (e.g. indicators, user stories, use cases) from projects developed by our partners (ex: TRIGGER <https://project-trigger.eu> , AD4GD <https://ad4gd.eu> )
  - websites more user friendly with the lexicology adapted to the community
  - value proposition strategies, user outreach material including web content creation to showcase the use of Copernicus data jointly across all services
- Collect, assess and communicate about user needs/requirements amongst the EEs and towards EC
- Collect user statistics to track uptake of the hub
- **Reaching out new stakeholders and close engagement with key users and stakeholders**







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HEALTH HUB

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# Thanks for your attention!!!

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