

COPERNICUS EARTH OBSERVATION

DATA VISUALISATION WORKSHOP SERIES



PROGRAMME OF THE
EUROPEAN UNION

Copernicus
Europe's eyes on Earth



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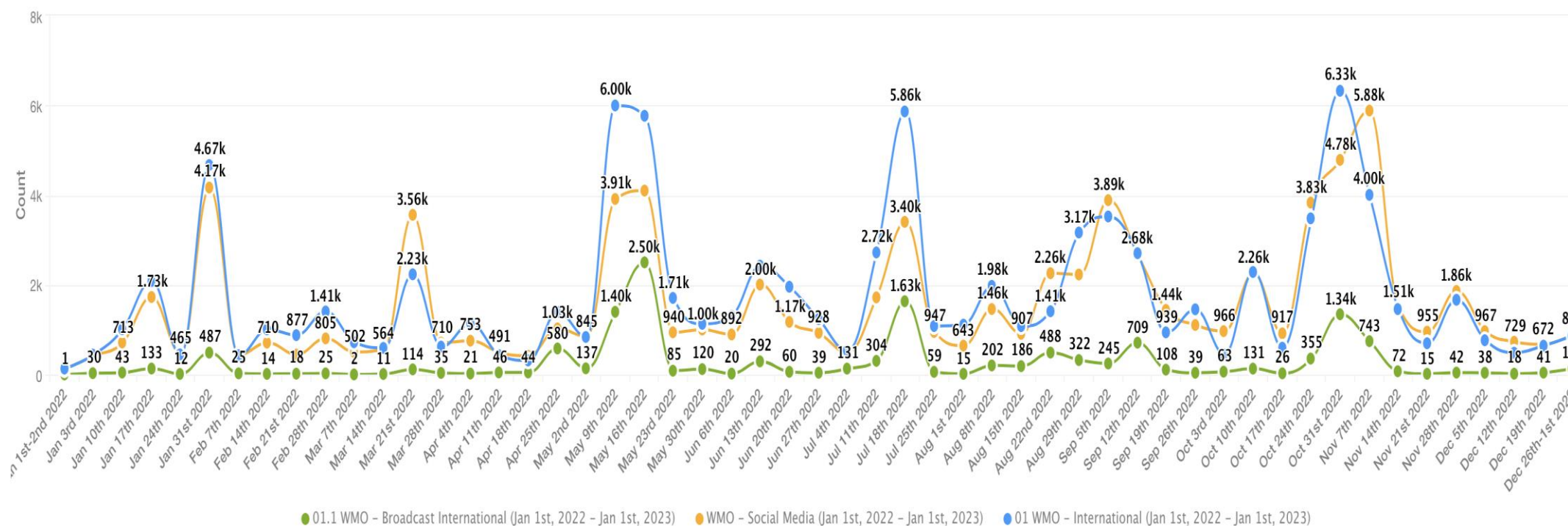


Climate and Weather

Impactful Communication Weather and Climate with EO Data,
Clare Nullis (World Meteorological Organization Media Officer)

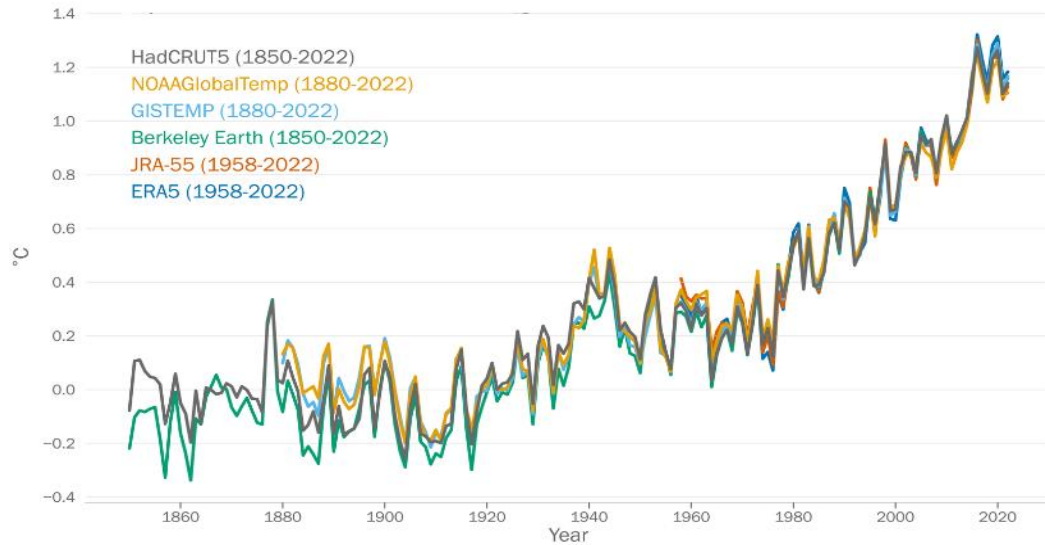
Media coverage in 2022

Influenced by campaigns and by extreme weather

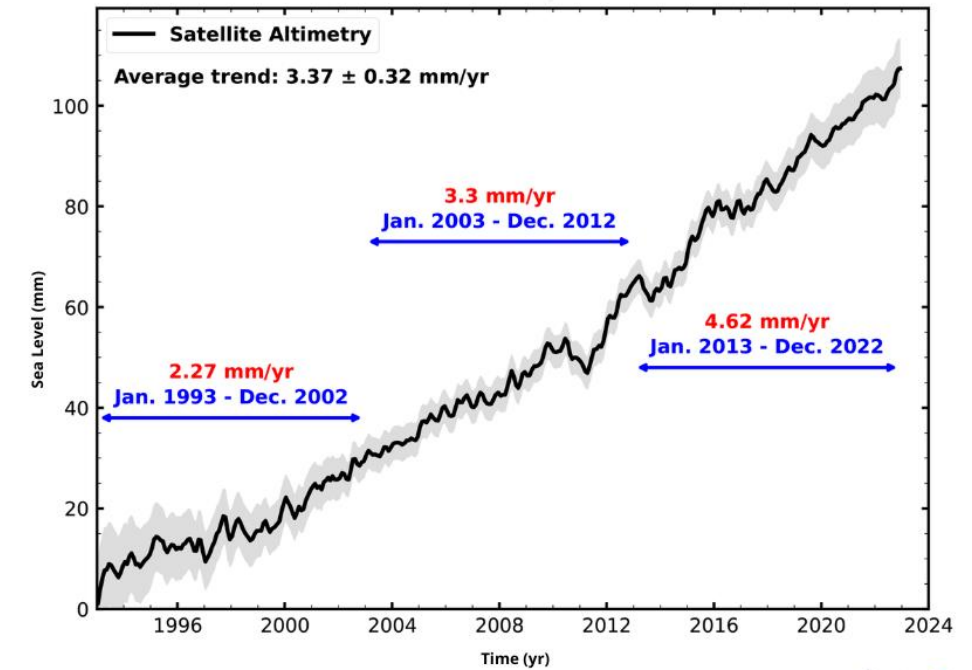


C3CS

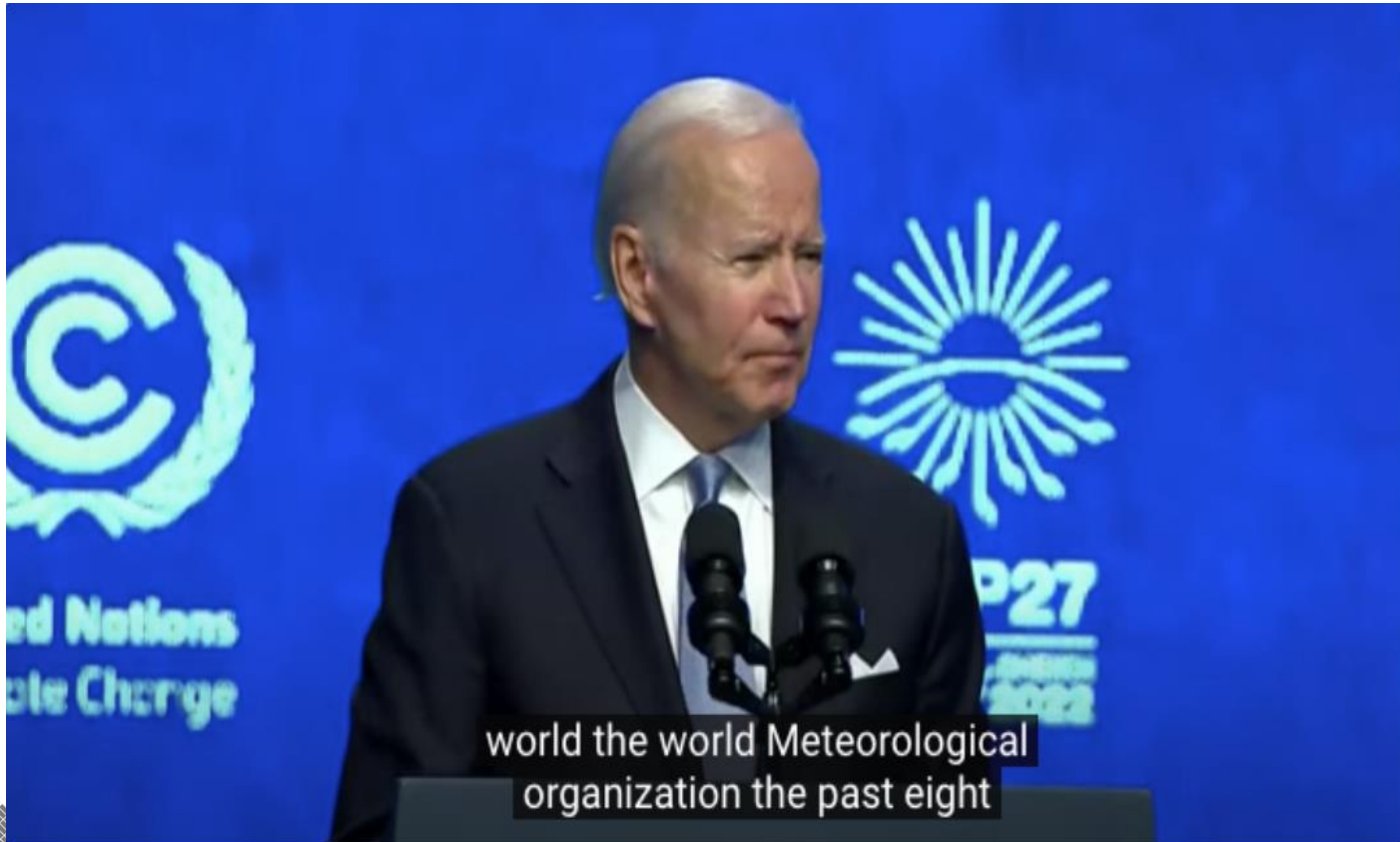
Global mean temperature Compared to 1850-1900 average



Global Mean Sea Level



E0 data reaches the highest levels of power



**WMO provisional
Statement on the State of
the Global Climate at
COP27**

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Data Visualisation Workshop Series**
Climate & Weather





António Guterres  @antonioguterres · May 17

There is a 98% chance of at least one in the next five years beating the temperature record set in 2016.

It is a moral, economic & social imperative to help countries prepare for & adapt to the increasingly harmful impacts of the climate crisis.



wmo.int
WMO Climate Update

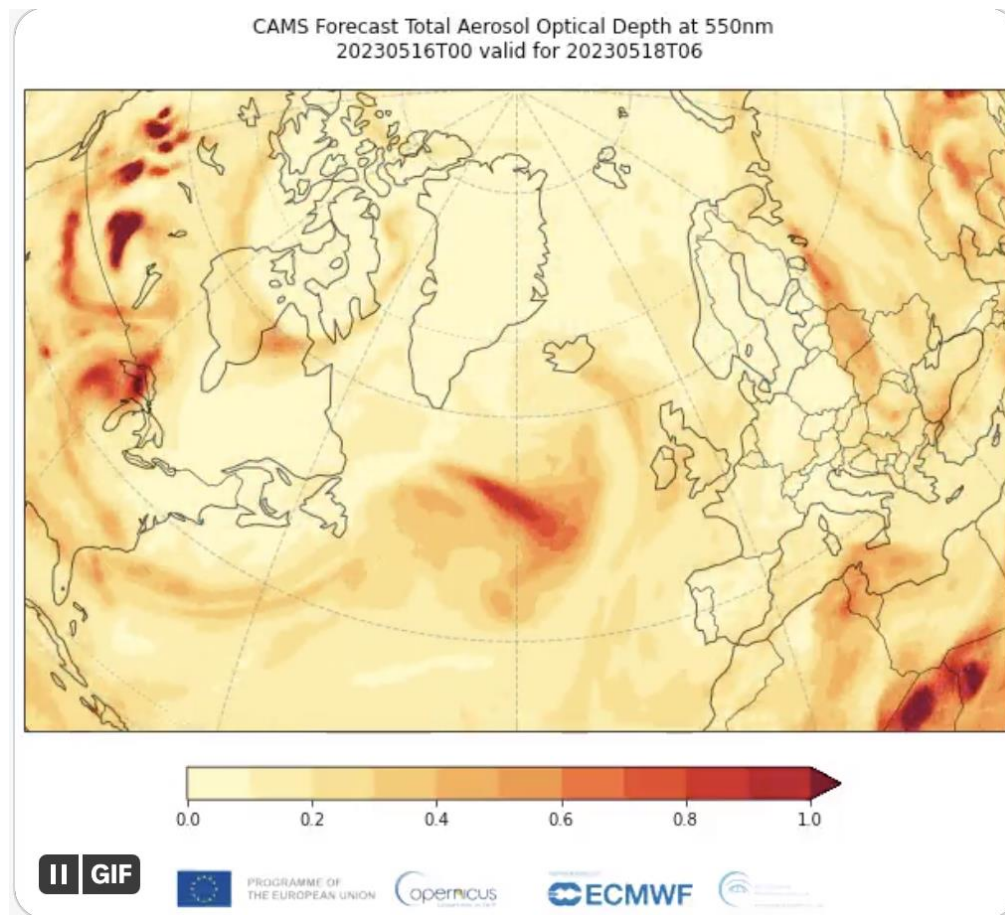
 236  288  662  46.8K 

**WMO reports
are picked up
very widely
throughout
the United
Nations**

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EO Data



**WMO relies heavily
on CAMS products for
social media and
outreach**

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World Meteorological Organization @WMO · Apr 19

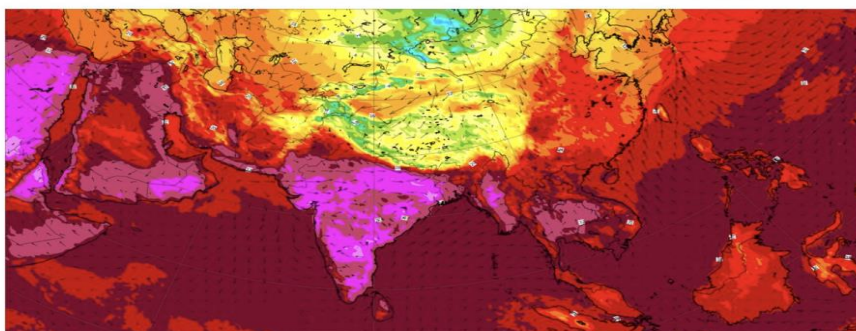
In **#India**, 48 weather stations measured temperature and humidity (12 GMT) of more than 42°C on 18 April, says **@Indiametdept**.

@ECMWF shows intense pre-monsoon heat continues today.

Heat-health **#EarlyWarningsForAll** save lives.

2 m temperature and 30 m wind

Base time: Wed 19 Apr 2023 00 UTC Valid time: Wed 19 Apr 2023 12 UTC (+12h) Area : Southern Asia



2m temperature (celsius)
-80 -70 -60 -52 -48 -44 -40 -36 -32 -28 -24 -20 -16 -12 -8 -4 0 4 8 12 16 20 24 28 32 36 40 44 48 52 56

30m wind (knot)

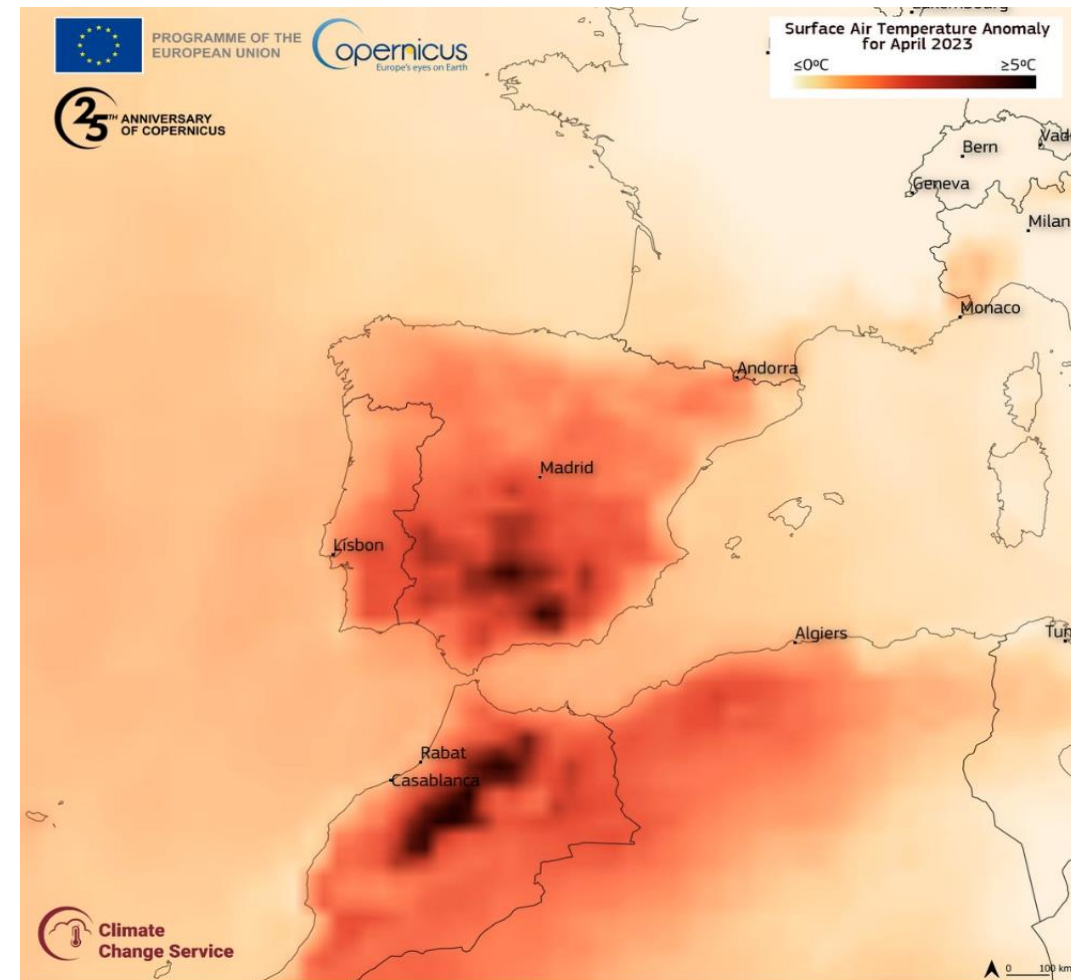
→ Black wind arrows

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ECMWF

Promote

5 103 136 33.3K



Climate
Change Service

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State of the Climate in Europe

19 June in Dublin with Copernicus C3S

- Europe is the fastest-warming of the six defined WMO regions and in 2022 many countries in western and south-western Europe had their warmest year on record.
- Summer was the hottest ever recorded: the high temperatures exacerbated the severe and widespread drought conditions, fuelled violent wildfires that resulted in the second largest burnt area on record, and led to thousands of heat-associated excess deaths.



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Thank You.

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@wmo



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