



# Copernicus VS COVID 19

Earth Observation unit, DEFIS  
European Commission  
&

European Centre for Medium-Range Weather Forecasts  
(ECMWF)



Space



Copernicus EU



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[www.copernicus.eu](http://www.copernicus.eu)





# From the Copernicus Atmosphere Monitoring Service

**Dedicated web site to the “European Air Quality information in support of the COVID-19 crisis”**

<https://atmosphere.copernicus.eu/european-air-quality-information-support-covid-19-crisis>

With access to graphical products and animations, as well as some answers to questions related to CAMS products and their relevance in the context of the COVID-19 crisis.

**Some related publications on ongoing activities:**

- Flawed estimates of the effects of lockdown measures on air quality derived from satellite observations

<https://atmosphere.copernicus.eu/flawed-estimates-effects-lockdown-measures-air-quality-satellite-observations>

- Air quality information confirms reduced activity levels due to lockdown in Italy

<https://atmosphere.copernicus.eu/air-quality-information-confirms-reduced-activity-levels-due-lockdown-italy>

- Amid Coronavirus outbreak: Copernicus monitors reduction of particulate matter (PM2.5) over China

<https://atmosphere.copernicus.eu/amid-coronavirus-outbreak-copernicus-monitors-reduction-particulate-matter-pm25-over-china>







Atmosphere Monitoring

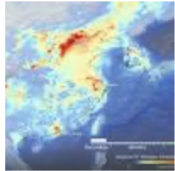
# VERY HIGH MEDIA UPTAKE / IMPACT



## Coronavirus: Lockdown prompts clear fall in UK air pollution

BBC News - 31 Mar 2020

Data collected by the National Centre for Atmospheric Science shows ... The European Union's **Copernicus Atmosphere Monitoring Service** ...



## The Environmental Implications of Coronavirus

International Environmental Technology - 1 Apr 2020

... National Centre for Atmospheric Science are tracking air quality data. ... Space Agency's **Copernicus Atmosphere Monitoring Service (CAMS)** ...

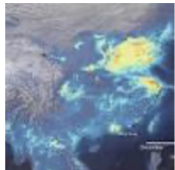


Washington Post

## Pollution Drops as Virus Shuts Down Cities in Europe

http://hamodia.com - 17 Mar 2020

The agency's **Copernicus Atmosphere Monitoring Service** reported Tuesday that with the "abrupt changes in activity levels" in northern Italy, ...



## Satellite track emissions drop over China, Italy during ...

Space.com - 20 Mar 2020

The **Copernicus Atmosphere Monitoring Service** reported Tuesday that with the "abrupt changes in activity levels" in northern Italy, ...

Air pollution In-Depth - C

View all



The Independent

## There's a conditional upside from coronavirus: cleaner air

MarketWatch - 18 Mar 2020

Elsewhere, the European Union's **Copernicus Atmosphere Monitoring Service** reported this week that with the "abrupt changes in activity ...



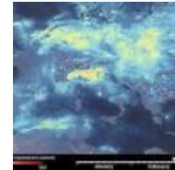
## Tens of thousands of lives saved by drop in pollution in Covid ...

Surrey Live - 18 Mar 2020

The **Copernicus Atmosphere Monitoring Service** reported that with the "abrupt changes in activity levels" in northern Italy, it has tracked a ...

Thousands of lives have been **SAVED** in China since the ...

In-Depth - Daily Mail - 17 Mar 2020



## European Space Agency detects decrease in air pollution as ...

KSWO - 17 Mar 2020

The agency's **Copernicus Atmosphere Monitoring Service** reported Tuesday that with the "abrupt changes in activity levels" in northern Italy, as ...



## Coronavirus: Satellite shows large pollution decline over ...

Sky News - 20 Mar 2020

... plummeted over China and Italy due to the coronavirus lockdowns, the **Copernicus Atmosphere Monitoring Service's** computer models show.



Thousands of lives have been **SAVED** in China since the coronavirus outbreak started, claim scientists after ... drive down air pollution



Coronavirus Lehrerverbände: Schulbetrieb wie vor Corona erst einmal nicht in Sicht



Climate  
Change

# From the Copernicus Climate Change Service

- **C3S helps health experts explore how temperature and humidity affect virus spread**

<https://climate.copernicus.eu/c3s-helps-health-experts-explore-how-temperature-and-humidity-affect-virus-spread>

Recent research suggests that the spread of the new coronavirus (SARS-CoV-2) could be affected by temperature and humidity, so the C3S has worked with environmental software experts [B-Open](#) to develop an [application](#) that maps mortalities against temperature and humidity data. The application allows health authorities and epidemiology centres to explore the claims that temperature and humidity could affect the spread of coronavirus

