

# UN-SPIDER COVID-19 RESOURCE NODE

United Nations Office for Outer Space Affairs



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Office for Outer Space Affairs



What are the research or applications projects that your team or organization is exploring related to COVID-19? What basic approaches are you using to explore this topic?

The screenshot shows the UN-SPIDER Knowledge Portal website. At the top, there is a navigation bar with links for Home, Space Application, Risks & Disasters, Links & Resources, Advisory Support, Network, Projects, News & Events, and About Us. The main content area features an article titled "Coronavirus disease (COVID-19)" dated Wednesday, 11/03/2020. The article includes an aerial satellite image of a city and text discussing how space technologies and geospatial data can support governments in improving situational awareness and responding to the COVID-19 outbreak. It mentions that several institutions have published information products, such as web maps of confirmed infections and deaths, and that others have used space technologies to track pollution levels across the world. The article also notes that restrictions imposed as a result of the pandemic have led to a drop in pollution levels. To the right of the article, there are social sharing options for Facebook (Share 0), Twitter, and LinkedIn. Below the article, there is a "CONTACT US!" section with a form and a "Stay informed" section with a mailing list subscription form. At the bottom, there are three featured articles: "Africa Dashboard for Tracking the COVID-19", "Climate Data Store - Monthly climate explorer for COVID-19", and "Copernicus EMS activation: COVID-19 outbreak and spread in Italy".

<http://www.un-spider.org/advisory-support/emergency-support/covid-19>



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## Africa Dashboard for Tracking the COVID-19



Published by United Nations Economic Commission for Africa  
The dashboard provides an overview of cases, countries affected, total deaths and total recovered in Africa. It is maintained by the United Nations Economic Commission for Africa.

[Visit website](#)  
Format: Map  
Tag: Situational data, UN activities

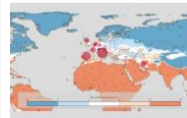
## AO - Space in Response to COVID-19 Outbreak in Italy



Published by European Space Agency Business Applications  
ESA launched on 31 March 2020 an Announcement of Opportunity (AO) inviting Member States to submit their ideas for deploying and demonstrating services to respond to the emergency that Europe, and especially Italy, is facing because of the spread of the coronavirus. The AO is issued in cooperation with the Italian Minister for...

[Read more](#)  
[Visit website](#)  
Format: Web page  
Tag: Research opportunities

## Climate Data Store - Monthly climate explorer for COVID-19



Published by Copernicus Climate Change Service  
Copernicus Climate Change Service (C3S) has worked with environmental software experts B-Open to develop an application that allows health authorities and epidemiology centres to explore whether temperature and humidity affect the spread of the coronavirus. This application is freely accessible from the C3S Climate Data Store (CDS).

[Visit website](#)  
Format: Map  
Tag: Situational data, Risk assessments

## GNSS Apps for COVID-19 response



Published by European Global Navigation Satellite Systems Agency

Since the outbreak of the coronavirus earlier this year, a number of apps have been developed that use Global Navigation Satellite Systems (GNSS) precise location to monitor the global spread of the virus. The European GNSS Agency (GSA) is maintaining a list of location-GNSS-Galileo based applications that, in GSA's view, may be useful in...

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Format: Web page  
Tag: Situational data

## How the Coronavirus Is (and Is Not) Affecting the Environment



Published by NASA Earth Observatory  
Using mostly space-based information, NASA explains the impact of COVID-19 on pollution, traffic and coal consumption. It also highlights and rectifies misinformation that was circulating on social media, such as that elevated levels of sulfur dioxide (SO2) were allegedly due to an increase in human cremation.

[Visit website](#)  
Format: Web page  
Tag: (Indirect) impact of the virus

## NASA Taps Workforce for Innovative Ideas for Coronavirus Response Efforts



Published by NASA  
With the new NASA @ WORK opportunity, NASA is seeking additional viable solutions where the agency can make a meaningful difference. For the initial call for ideas, NASA leadership, working with the White House and other government agencies, determined three focus areas around personal protective equipment, ventilation devices, and monitoring and... [Read more](#)

[Visit website](#)  
Format: Web page  
Tag: Situational data, Risk assessments, Emergency mapping, (Indirect) impact of the virus

## Copernicus EMS activation: COVID-19 outbreak and spread in Italy



Published by Copernicus Emergency Management Service

## Coronavirus COVID-19 Global Cases Dashboard by CSSE at JHU



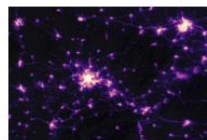
Published by Johns Hopkins Center for Systems Science and

## Coronavirus disease (COVID-19) Situation Dashboard



Published by World Health Organization  
The WHO Coronavirus disease

## Nighttime Images Capture Change in China



Published by NASA Earth Observatory

## Rapid Response and Novel Research in Earth Science



Published by NASA Research and Education Support Services

## Regional dashboard for Central America and the Dominican Republic



Published by Coordination

## Resource Node

<http://www.un-spider.org/advisory-support/emergency-support/covid-19>



## What are the expected results, and how do you plan to use these results in real-time applications?

- Increase awareness of what space can do (not only EO) to help during this crisis and after
- Assistance in finding resources

### Expected results:

- Incorporate space technology, data and applications in the policy-making discussions

If you want information to be added, please send an e-mail to [ooosa@un.org](mailto:ooosa@un.org)

# THANK YOU



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