COUNTRIES INDICATORS

All countries

ERICA

United States of America

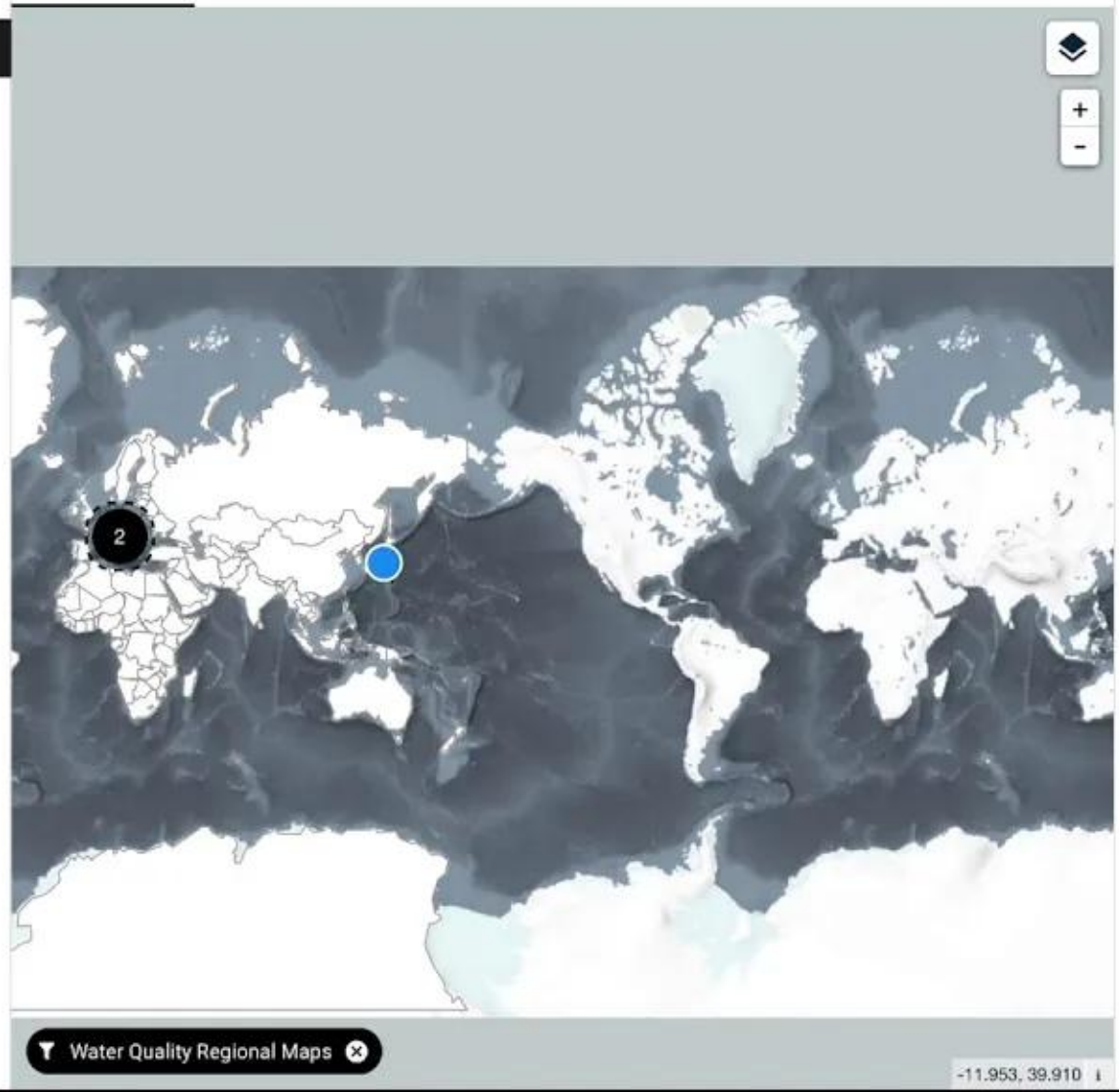
ROPE

Croatia
France
Germany
Italy
Slovenia
Spain

A

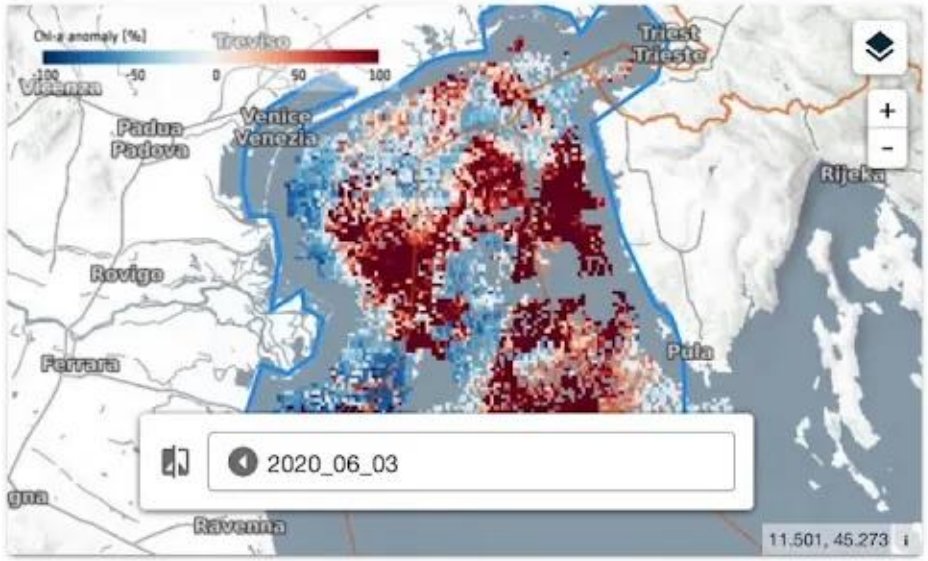
Japan
China
Bangladesh
India

MAP TABLE



North Adriatic (NASA), Water Quality Regional Maps

Water Quality Regional Maps (NASA)



COVID19 impact on Water Quality in Europe

The water quality analysis focuses on assessing the effect of the lockdown and the subsequent economic recovery on inland and coastal water quality by monitoring the deviation from a climatological mean of Chlorophyll-a concentration over a number of key Areas of Interest.

SHOW MORE

EO DATA - COMING SOON

1
00:00:01,210 --> 00:00:05,100
During times of crisis like the world is enduring now

2
00:00:05,100 --> 00:00:08,370
we are forced to think differently.

3
00:00:08,370 --> 00:00:12,370
And with a crisis of the scale of the COVID-19 pandemic

4
00:00:12,370 --> 00:00:15,520
we are challenged with the very human question:

5
00:00:15,520 --> 00:00:18,270
What can we do to help?

6
00:00:18,270 --> 00:00:23,450
It is from times like these that great things can be accomplished.

7
00:00:23,450 --> 00:00:26,520
NASA, ESA, and JAXA collectively represent

8
00:00:26,520 --> 00:00:31,200
a unique and valuable human asset: Earth-observing instruments in space

9
00:00:31,200 --> 00:00:34,850
that we use every day to benefit society and advance

10
00:00:34,850 --> 00:00:38,250
scientific knowledge about our home planet.

11
00:00:38,250 --> 00:00:41,280
As this pandemic spread across the globe,

12
00:00:41,280 --> 00:00:46,270
scientists began to see from space how patterns of human activity

13
00:00:46,270 --> 00:00:50,240

were changing and how those changes affected the environment.

14
00:00:50,240 --> 00:00:56,250
The pandemic was not only leaving a staggering toll of human suffering,

15
00:00:56,250 --> 00:01:02,000
it was having a global impact that we could document from space.

16
00:01:02,000 --> 00:01:06,840
Our three space agencies realized that if we could combine forces

17
00:01:06,840 --> 00:01:11,010
we could bring a more powerful set of analytical tools

18
00:01:11,010 --> 00:01:14,040
to bear on this fast-moving crisis.

19
00:01:14,040 --> 00:01:17,620
We have a long and very strong relationship

20
00:01:17,620 --> 00:01:19,780
of cooperation and collaboration.

21
00:01:19,780 --> 00:01:22,490
We know how to work together.

22
00:01:22,490 --> 00:01:26,150
And we realized that we needed to act quickly

23
00:01:26,150 --> 00:01:30,590
if we were to capture critical global observations of these changes

24
00:01:30,590 --> 00:01:33,490
as the world reacted to the spread of the virus.

25
00:01:33,490 --> 00:01:38,900
So NASA, ESA, and JAXA began building on an accelerated schedule a

26
00:01:38,900 --> 00:01:44,780
public web portal to synthesize our most relevant data and analytical tools.

27
00:01:44,780 --> 00:01:52,080
What we are releasing today – the COVID-19 Earth Observation Dashboard

28
00:01:52,080 --> 00:01:54,890
is the result of that intensive effort.

29
00:01:54,890 --> 00:01:58,650
Today we present Version 1.0 of the dashboard,

30
00:01:58,650 --> 00:02:02,150
which includes key indicators of air and water quality,

31
00:02:02,150 --> 00:02:05,920
climate change, and economic activity.

32
00:02:05,920 --> 00:02:10,120
We will be adding more information in the weeks and months ahead,

33
00:02:10,120 --> 00:02:14,630
including a look at agricultural production around the world.

34
00:02:14,630 --> 00:02:17,770
We hope to learn a great deal from the

35
00:02:17,770 --> 00:02:20,080
data collected here as the world

36
00:02:20,080 --> 00:02:22,100
recovers from this pandemic.

37
00:02:22,100 --> 00:02:27,140
This collaborative effort has given us a deep appreciation

38
00:02:27,140 --> 00:02:31,990

of how much we can accomplish when we work together.

39
00:02:32,850 --> 00:02:35,570
COVID-19 is a global crisis.

40
00:02:35,570 --> 00:02:38,690
It’s a health crisis, it is an economic crisis

41
00:02:38,690 --> 00:02:40,770
and is a crisis for humanity.

42
00:02:40,770 --> 00:02:45,930
So therefore, as the European Space Agency, we have looked at our assets

43
00:02:45,930 --> 00:02:47,300
that means our satellites,

44
00:02:47,300 --> 00:02:50,750
and see how we can help providing information

45
00:02:50,750 --> 00:02:54,840
based on our satellites for the benefit of decision makers,

46
00:02:54,840 --> 00:02:55,880
but also the people.

47
00:02:55,880 --> 00:02:59,500
We have monitored economic indicators

48
00:02:59,500 --> 00:03:01,670
we have monitored health indicators like

49
00:03:01,670 --> 00:03:03,940
air pollution, water pollution

50
00:03:03,940 --> 00:03:06,250
but also economic indicators like

51
00:03:06,250 --> 00:03:08,960
number of cars parked in parking lots

52
00:03:08,960 --> 00:03:11,690
number of planes in different airports

53
00:03:11,690 --> 00:03:16,800
but also different productions of different factories

54
00:03:16,800 --> 00:03:19,430
and see how we can monitor during the lockdown

55
00:03:19,430 --> 00:03:22,710
what happens in the economy and with the people.

56
00:03:22,710 --> 00:03:26,170
These assets that we provide from space

57
00:03:26,170 --> 00:03:29,650
With free information derived from Copernicus data

58
00:03:29,650 --> 00:03:33,230
which is the European program, led by European commission

59
00:03:33,230 --> 00:03:38,860
we are very happy to share with everyone in a free and open format.

60
00:03:38,860 --> 00:03:41,700
What we have done is we have created a dashboard

61
00:03:41,700 --> 00:03:44,720
and this dashboard allows to have time series

62
00:03:44,720 --> 00:03:48,300
of critical information over different areas

63
00:03:48,300 --> 00:03:49,690

and therefore compare information.

64
00:03:49,690 --> 00:03:52,960
But I am particular glad to say that this is not

65
00:03:52,960 --> 00:03:55,600
only a European effort. We have joined forces

66
00:03:55,600 --> 00:03:58,940
with the global space powers, in particular with NASA

67
00:03:58,940 --> 00:04:03,480
but also with JAXA, the Japanese Space Agency

68
00:04:03,480 --> 00:04:07,060
And really combined the assets which we have in the U.S.

69
00:04:07,060 --> 00:04:11,040
in Japan, in Europe in order to derive this information

70
00:04:11,040 --> 00:04:14,080
And provide information related to COVID

71
00:04:14,080 --> 00:04:17,320
to the citizens worldwide in the global dashboard

72
00:04:17,320 --> 00:04:19,830
which we jointly offer to you today.

73
00:04:21,150 --> 00:04:24,960
The COVID-19 pandemic has brought difficulties

74
00:04:24,960 --> 00:04:28,040
to daily lives and caused various changes

75
00:04:28,040 --> 00:04:32,050
in socio-economic activities and environments.

76
00:04:32,050 --> 00:04:36,180
In order to tackle this issue we have considered

77
00:04:36,180 --> 00:04:38,940
and came to the conclusion that

78
00:04:38,940 --> 00:04:42,390
it is our responsibility to monitor

79
00:04:42,390 --> 00:04:45,010
the changes of the earth from space,

80
00:04:45,010 --> 00:04:48,390
share the observation results with the public,

81
00:04:48,390 --> 00:04:51,530
and record it for the future generations.

82
00:04:51,530 --> 00:04:57,010
To fulfill this responsibility, JAXA has developed the

83
00:04:57,010 --> 00:05:02,150
Earth Observing Dashboard together with NASA and ESA.

84
00:05:02,150 --> 00:05:06,000
Satellite-based earth observation allows us to

85
00:05:06,000 --> 00:05:09,510
monitor the earth's surface globally and periodically

86
00:05:09,510 --> 00:05:12,750
with various physical parameters.

87
00:05:12,750 --> 00:05:17,890
In this cooperation we have utilized Japanese satellites,

88
00:05:17,890 --> 00:05:20,950

namely GOSAT, ALOS-2 and GCOM-C.

89
00:05:20,950 --> 00:05:25,790
This trilateral collaboration among the space agencies

90
00:05:25,790 --> 00:05:32,040
gave us a great opportunity to maximize the value of our earth observation data.

91
00:05:32,040 --> 00:05:35,160
but extending the data and knowledge.

92
00:05:35,160 --> 00:05:37,540
The Dashboard is just the start.

93
00:05:37,540 --> 00:05:41,850
I strongly anticipate that by using the Dashboard,

94
00:05:41,850 --> 00:05:45,570
experts in various different fields would further contribute

95
00:05:45,570 --> 00:05:48,550
to society and create new values.

96
00:05:48,550 --> 00:05:53,100
I am very proud of this collaboration with NASA and ESA