

Air pollution soars off the charts as a massive sandstorm sweeps through China from west to east

Sentinel-5P TROPOMI AER_AI acquired on **19 March 2023** from 03:10:14 to 06:33:15 UTC
Sentinel-5P TROPOMI AER_AI acquired on **20 March 2023** from 02:51:22 to 07:55:54 UTC
Sentinel-5P TROPOMI AER_AI acquired on **21 March 2023** from 02:32:29 to 07:37:00 UTC
Sentinel-5P TROPOMI AER_AI acquired on **22 March 2023** from 03:55:07 to 07:18:09 UTC
Sentinel-5P TROPOMI AER_AI acquired on **23 March 2023** from 03:36:14 to 06:59:15 UTC

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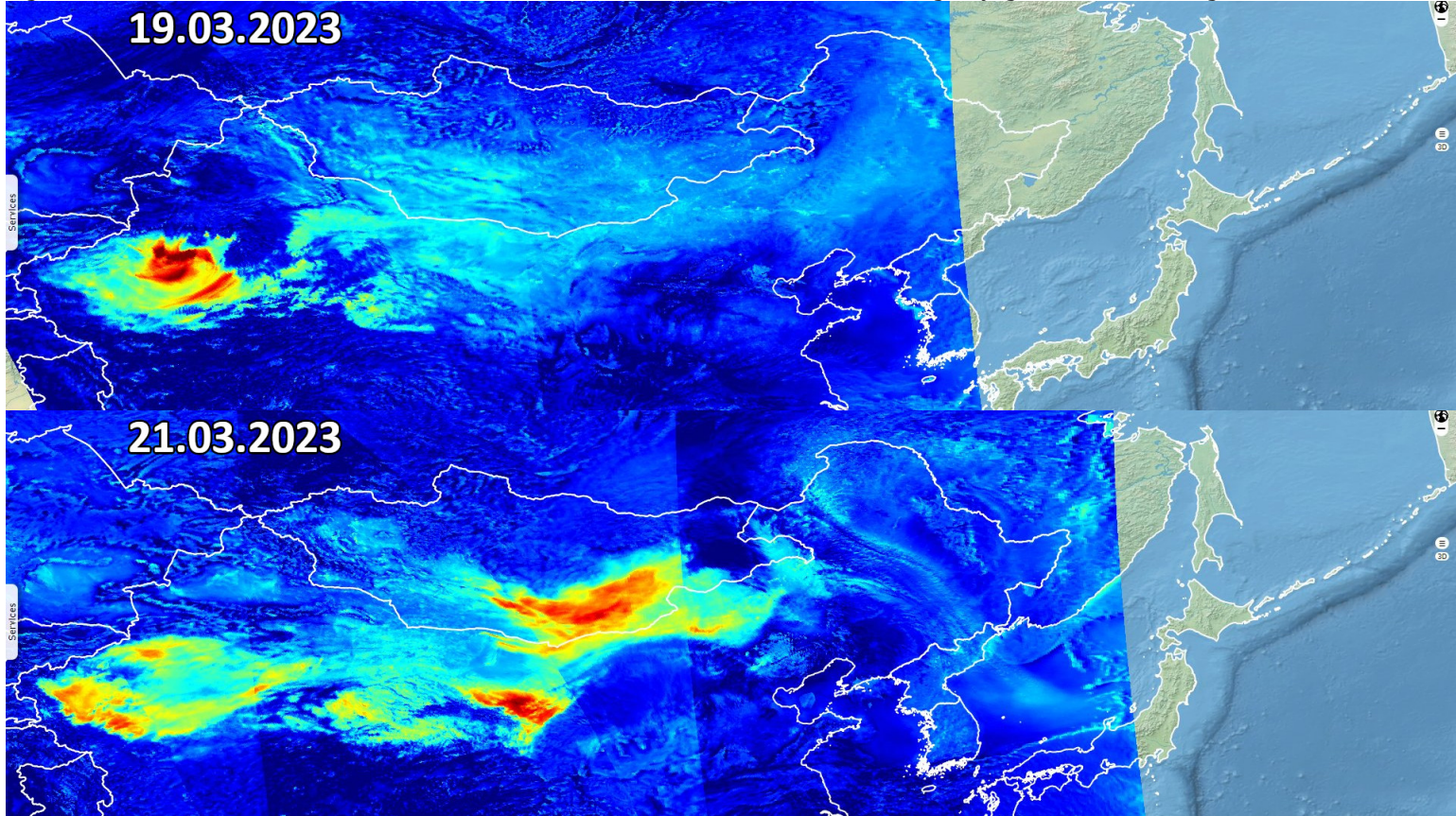
Keyword(s): Atmosphere, desert, aerosol, plume, China



[2D Layerstack](#)

Fig. 1 - S5P TROPOMI (19.03.2023 / 21.03.2023) - Sandstorms blanket northern China (including Beijing) and southern Mongolia.

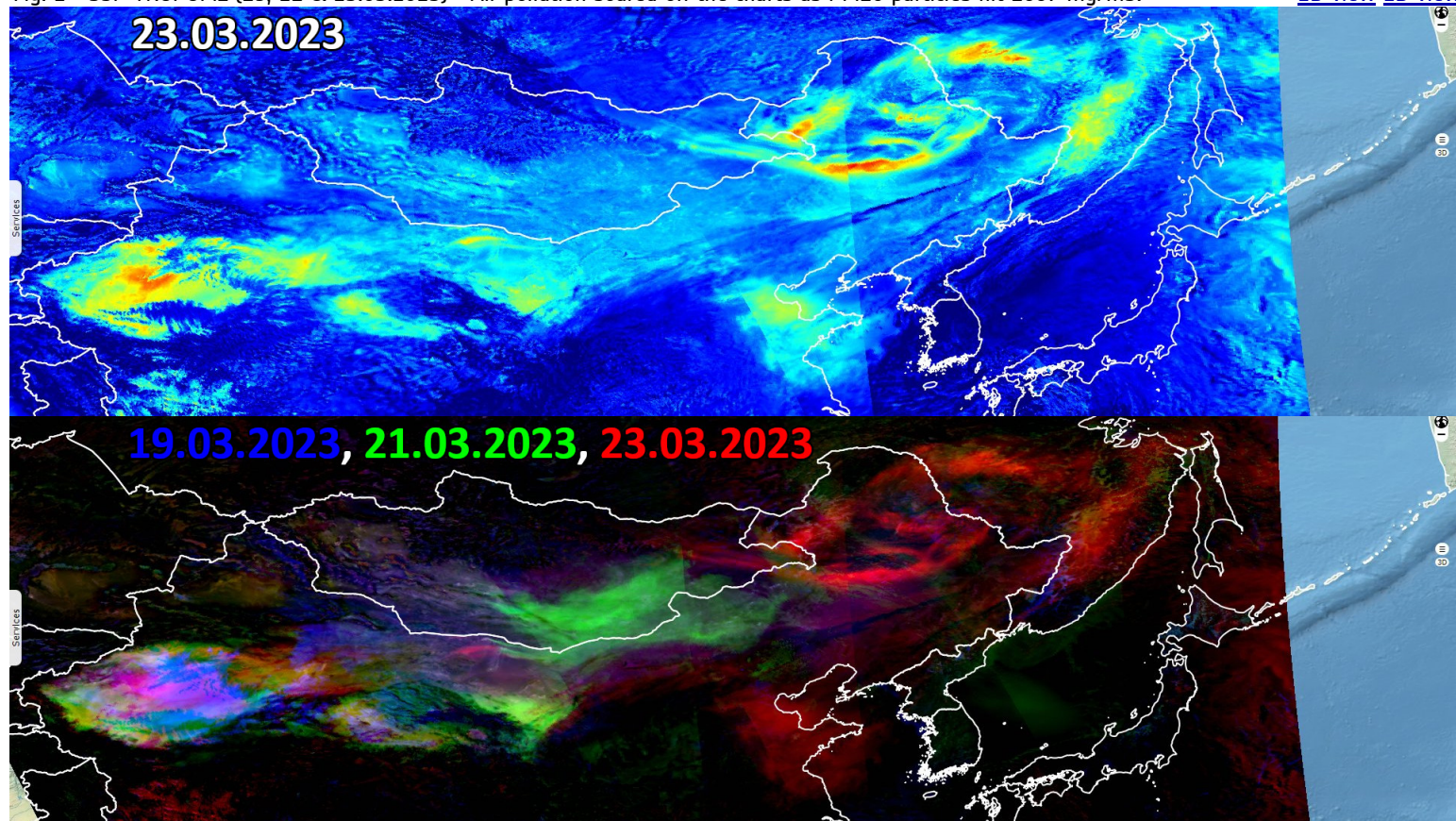
[2D view](#)



A lack of rainfall and low pressure winds produced a massive sandstorm, impacting health and mobility of more than 560 million people.













Fig. 2 - S5P TROPOMI [19, 21 & 23.03.2023] - Air pollution soared off the charts as PM10 particles hit 1667 mg/m3.

[2D view](#) [2D view](#)



It is a level considered 'hazardous' and 'very unhealthy', more than 37 times the daily average guideline of 45 mg/m3 set by the WHO.

*The views expressed herein can in no way be taken to reflect the official opinion of the European Space Agency or the European Union.
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