

Land Surface Temperature in the Sakha Republic

Date: 21/06/2021

Location: Russia

Credit: European Union, Copernicus Sentinel-3 imagery

Type: Image of The Day

Category:

- Land

Tags:

- Climate Change

This image, acquired by the Copernicus Sentinel-3A and Sentinel-3B satellites on 20 June 2021, shows the Land Surface Temperature in the Sakha Republic in Arctic Siberia.

Siberia, and in particular the Republic of Sakha, is experiencing a persistent heatwave. As the image shows, the land surface temperature has widely exceeded 35°C across Siberia, with peaks of 48°C near Verkhoyansk, 43°C in Gorovovo and 37°C in Saskylah. In Saskylah, [on the day](#) this image was acquired, a temperature of 31.9°C was recorded, the highest value since 1936 before the summer solstice.

The Copernicus Sentinel-3 mission consists of twin satellites, Sentinel-3A and Sentinel-3B, able of measuring thermal parameters of both terrestrial and marine environments. This specificity allows to derive parameters such as land surface temperatures over periods of time and compare them from year to year.

Warning: this data shows Land Surface Temperature not air temperature at ground level

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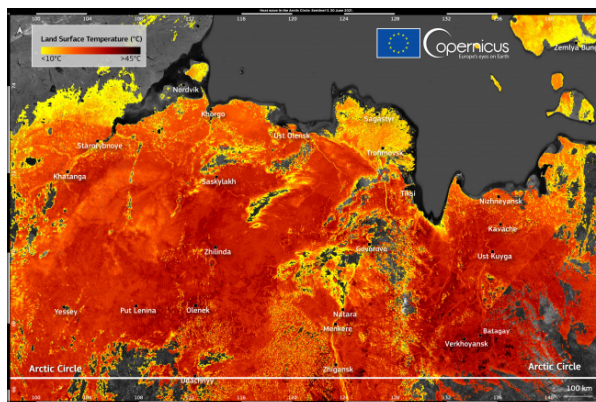


Image of the day in high resolution! [Download here](#)

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