



Crops fail after a severe drought affects Morocco

3D view

Sentinel-2 MSI acquired on 15 April 2018 at 11:21:09 UTC Sentinel-2 MSI acquired on 17 April 2018 at 11:06:51 UTC

Sentinel-2 MSI acquired on 14 April 2022 at 11:21:09 UTC Sentinel-2 MSI acquired on 16 April 2022 at 11:06:21 UTC

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Fig. 1 - S2 (2017-2021) - Mean of indices computed in mid-April between 2017 & 2021.

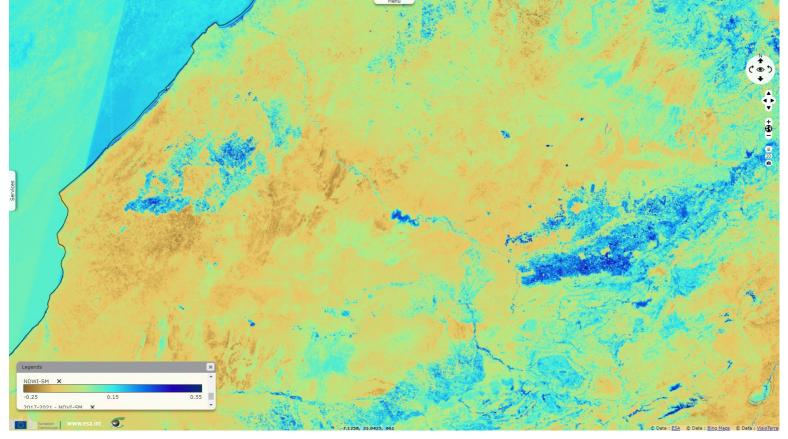


Fig. 2 - S2 (08, 14 & 16.04.2022) - The Soil Moisture index measured in 2022 shows a decreased in soil humidity due to the current drought. 3D view

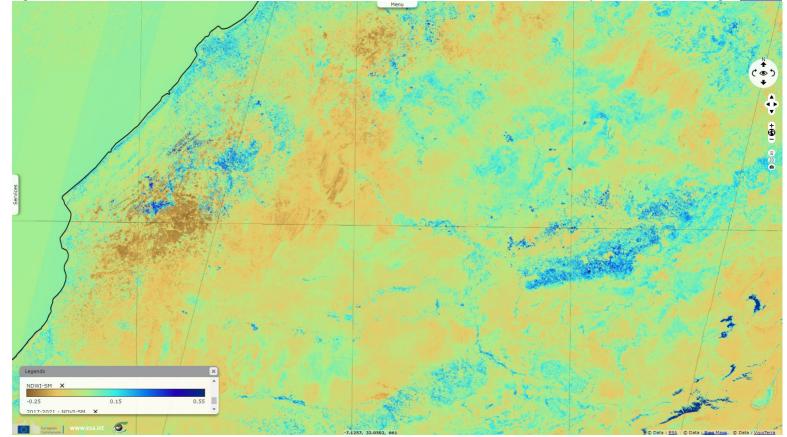


Fig. 3 - S2 (2022, 2018-2021) - Difference of the MSAVI2 vegetation index between 2022 and a mean computed in Mid April from 2018 to 2021. 3D

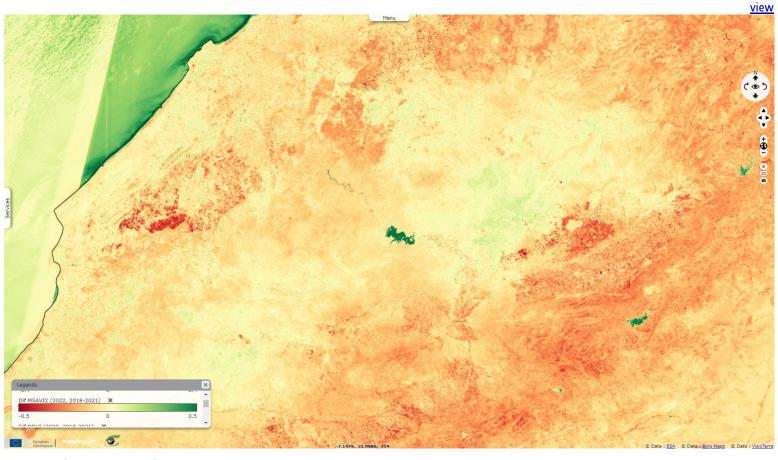
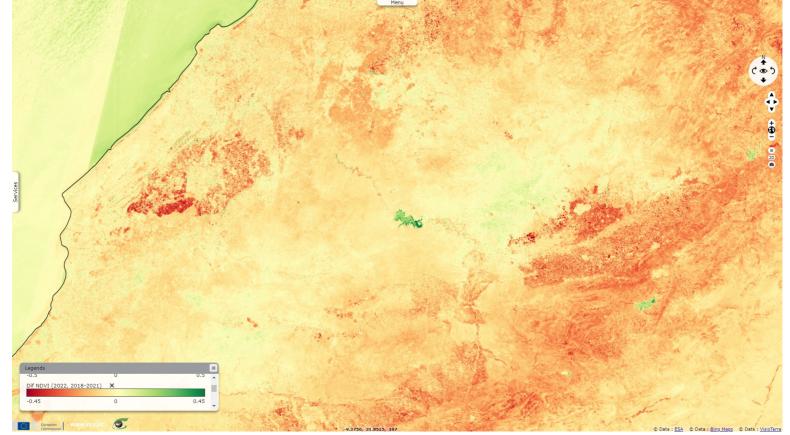


Fig. 4 - S2 (2022, 2018-2021) - A similar calculation using the NDVI shows very similar results, in particular a drought in cropland regions. <u>3D view</u>



The drought resulted in a decrease of potential harvest and even in the total loss of crops for the most affected land.

Fig. 5 - S2 (14, 27 & 30.04.2019) - View of the lakes in the Marrakash and Tadla-Azilal regions.

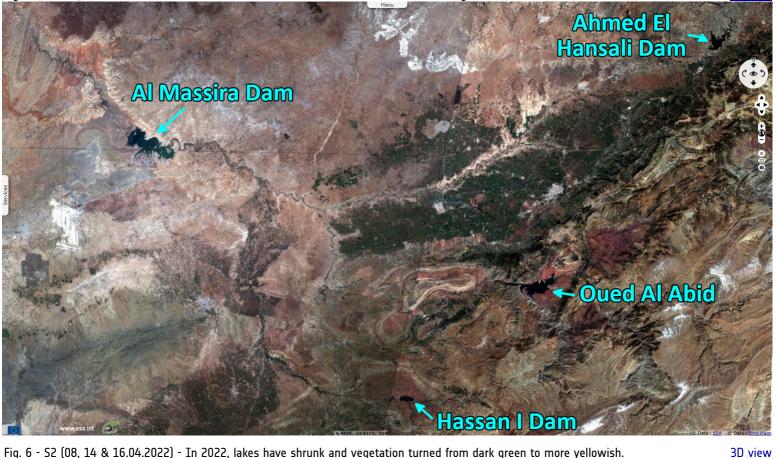


Fig. 6 - S2 (08, 14 & 16.04.2022) - In 2022, lakes have shrunk and vegetation turned from dark green to more yellowish.

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