



NDVI  
Drought and Plant Health Indicator

NDVI can be used to monitor vegetation health and potential susceptibility to drought. In this case we used Google Earth Engine and collected the Sentinel-2 satellite bands 4 (red) and 8 (NIR) we can compute the NDVI equation. We chose to average the values of the last 5 years. The resulting leads to a normalized index from -1 to 1. We then further average the mean foe each respective grid cell and normalise between 0 and 1.

Mean Normalised NDVI

0 - 0.527

0.527 - 0.643

0.643 - 0.728

0.728 - 0.796

0.796 - 1

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Source: Frederick (22/05). Retrieved from:<https://esoc.esa.int/content/sentinel-2b>