|  |  |  |  |
| --- | --- | --- | --- |
| **Dimension** | **Logic** | **Indicators** | **Notes** |
| **Seasonal performance** | We’d like to include a set of indicators that give us an appreciation of the overall quality of the rainy/agricultural season | ·     *WFP Composite Drought Index (CDI)*    *CDI sub-components*  ·     *Rainfall*  ·     *Evapotranspiration*  ·     *Soil moisture* | If the CDI cannot easily be extracted, we could also envisage the combination of the following indicators: 6-month rainfall anomaly as of 31 October; 6-month SPI as of 31 October; NDVI as of 31 October |
| **Extreme weather events** | This dimension would allow us to capture extreme weather events (heavy rainfall & dry-spells) | ·     *Longest number of consecutive dry days*  ·     *Days of heavy/intense/extreme rainfall over the past 30 days* |  |
| **Land surface temperature** |  | ·     *LST anomaly* | Data already available |
| **NDVI** |  | ·     *NDVI anomaly* | Data already available |

Nice. The rainfall data is aggregated by our version of the adm2 delimitation, I hope? This si another thing to check.

As part of better understanding the data received, we have been investigating the prism platform together Federico ([https://prism.dakar.wfp.org/](https://eur03.safelinks.protection.outlook.com/?url=https%3A%2F%2Fprism.dakar.wfp.org%2F&data=05%7C02%7CA.Hema%40cgiar.org%7C0ef21ffcf43544cc000708dc9cfb1970%7C6afa0e00fa1440b78a2e22a7f8c357d5%7C0%7C0%7C638557849529208046%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=cvxSV8cpVfy4VwBvYSHafor3hPnZG48wW3tIT7b0G0M%3D&reserved=0)), remember?

We should be able to reproduce some data although we have a different unit of analysis (pixels versus adm2). For example, under Extreme rainfall categories (heavy>75 percentile):

* Number of days with heavy rainfall in the last 30 days for any given date.
* Longest consecutive number of days with heavy rainfall in the last 30 days

WAF\_CDI\_adm2\_R1H\_0.4\_ET0\_0.3\_SM\_0.3\_2024-07-03.xlsx

The full time series of CDI plus its components is now available at [​csv icon WAF\_CDI\_adm2\_R1H\_0.4\_ET0\_0.3\_SM\_0.3\_2024-07-03.csv](https://wfp-my.sharepoint.com/:x:/g/personal/sara_miller_wfp_org/EasIaKf2eR9OoPupuv32HFkBko-RGx-McU-R8DK71E0llg?xsdata=MDV8MDJ8QS5IZW1hQGNnaWFyLm9yZ3w4ZTY1MmIwMzNiYzY0YjAyZDliZDA4ZGM5Y2ZjY2FmMXw2YWZhMGUwMGZhMTQ0MGI3OGEyZTIyYTdmOGMzNTdkNXwwfDB8NjM4NTU3ODU2ODM2OTY2MDU4fFVua25vd258VFdGcGJHWnNiM2Q4ZXlKV0lqb2lNQzR3TGpBd01EQWlMQ0pRSWpvaVYybHVNeklpTENKQlRpSTZJazFoYVd3aUxDSlhWQ0k2TW4wPXwwfHx8&sdata=OWhTdS9FQlNJd0RVWFJCbFZUbCtmWENVSk5nTHBWdTNMdExpdVIwdGpraz0%3d)

The components here are standardized from 0-1, with 0 being the driest and 1 being the wettest. They are aggregated by season with more weight given to the wetter stages of the season.

Maps for all the years can be found at [​Folder icon WAF\_CDI](https://wfp-my.sharepoint.com/:f:/g/personal/sara_miller_wfp_org/EuDyCmDPVCdAm2REZrpMki4BXQlHgHtKp9udRXRmvpPiag?e=4Lvy1e&xsdata=MDV8MDJ8QS5IZW1hQGNnaWFyLm9yZ3w4ZTY1MmIwMzNiYzY0YjAyZDliZDA4ZGM5Y2ZjY2FmMXw2YWZhMGUwMGZhMTQ0MGI3OGEyZTIyYTdmOGMzNTdkNXwwfDB8NjM4NTU3ODU2ODM2OTgyNTQ0fFVua25vd258VFdGcGJHWnNiM2Q4ZXlKV0lqb2lNQzR3TGpBd01EQWlMQ0pRSWpvaVYybHVNeklpTENKQlRpSTZJazFoYVd3aUxDSlhWQ0k2TW4wPXwwfHx8&sdata=YUJtLzByQWovRjFkSEFEOTBmRUwwaE1HYStCOXVwTzhqamZVN3BlSWdFOD0%3d)

* Mean CDI
* Mean ET0 : evapotranspiration
* Mean soil moisture

Refers to the water content present in the soil. Soil moisture levels are influenced by factors such as precipitation, temperature, evaporation, and drainage

* Mean rainfall