West Africa Seasonal Monitor 2022 Season – Dekadal Update



World Food Programme

SAVING LIVES CHANGING LIVES

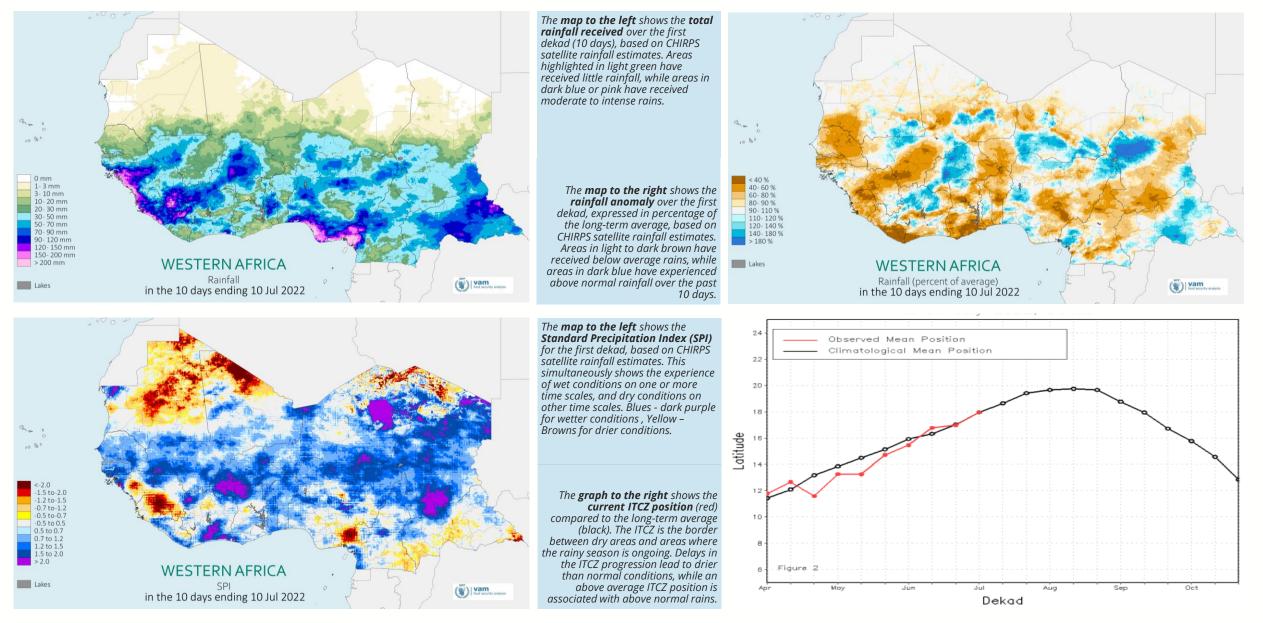
July 2022, Dekad 1 (1-10 July)

Key Highlights

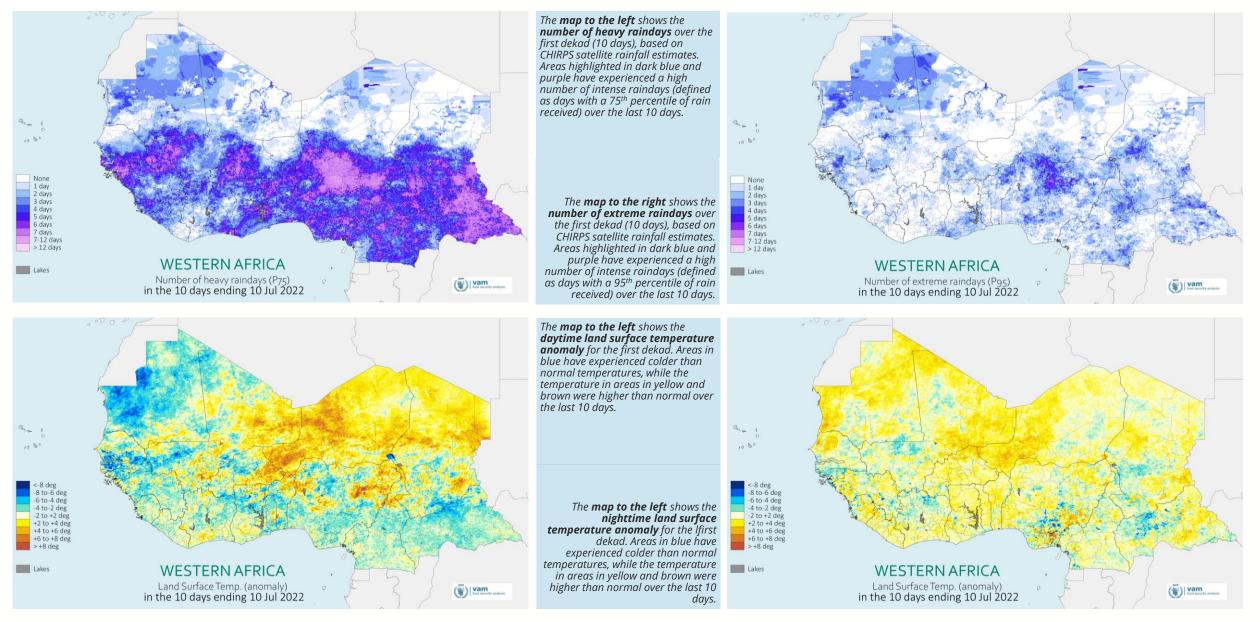
- During the first dekad of July (1-10 July), West Africa experienced mixed rainfall patterns with moderate to heavy rains recorded in central Burkina Faso, eastern CAR, north-western Cote d'Ivoire, southern Nigeria, western and eastern Guinea, Guinea-Bissau, southern Senegal, Sierra Leone and western Liberia. Meanwhile, light rains were received in most of Senegal, western Niger, Mauritania and central Mali.
- Compared to the long-term average, the rains during this first dekad of the month of July were mixed. Some areas such as central Burkina Faso, northern Cote d'Ivoire, central and eastern Niger, western Chad, western Nigeria and central CAR experienced significantly above normal rainfall. On the other hand, most other areas remained abnormally dry, particularly southern Liberia, southern Ghana and parts of Sierra Leone, Guinea and south-western Mali.
- Over the past month, most areas in West Africa benefitted from normal to above normal rainfall, except for northern Senegal, southern Mauritania, western Niger, central Mali, eastern Burkina Faso, Sierra Leone, central Guinea and south-western Cote d'Ivoire, where drier than normal conditions were recorded.
- According to the short-range forecast, favourable conditions are expected in the western parts of the region with above average conditions in Senegal, Mauritania, Mali, Guinea-Bissau and central Burkina Faso. On the other hand, coastal countries in the Gulf of Guinea are expected to receive below average rainfall until the end of July.
- According to the PRESASS seasonal forecast updated in May 2022, average to above average seasonal rainfall is expected in most of the Sahelian Belt (from Senegal through to Chad), including Cabo Verde. Average to below average rainfall is expected in south-eastern Nigeria and south-western Cameroon. The seasonal forecast also suggests that the start of the season will be early to normal, with shorter than normal dry spells during the first half of the rainy season across the Sahelo-Sudanian zone.



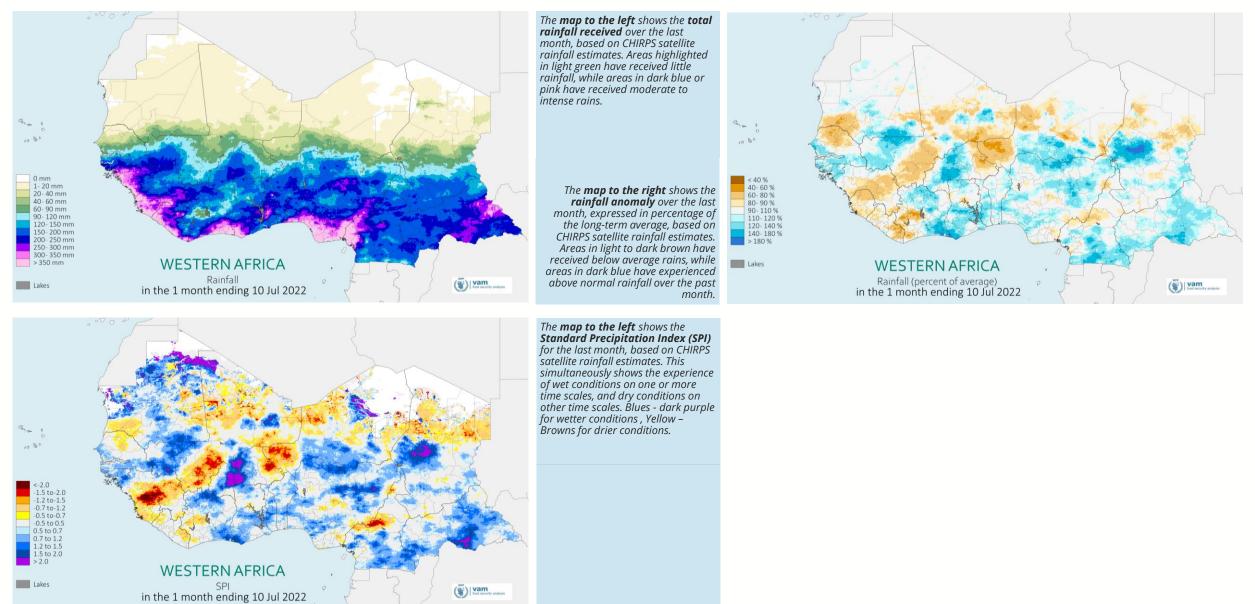
Rainfall patterns: 1-10 July 2022



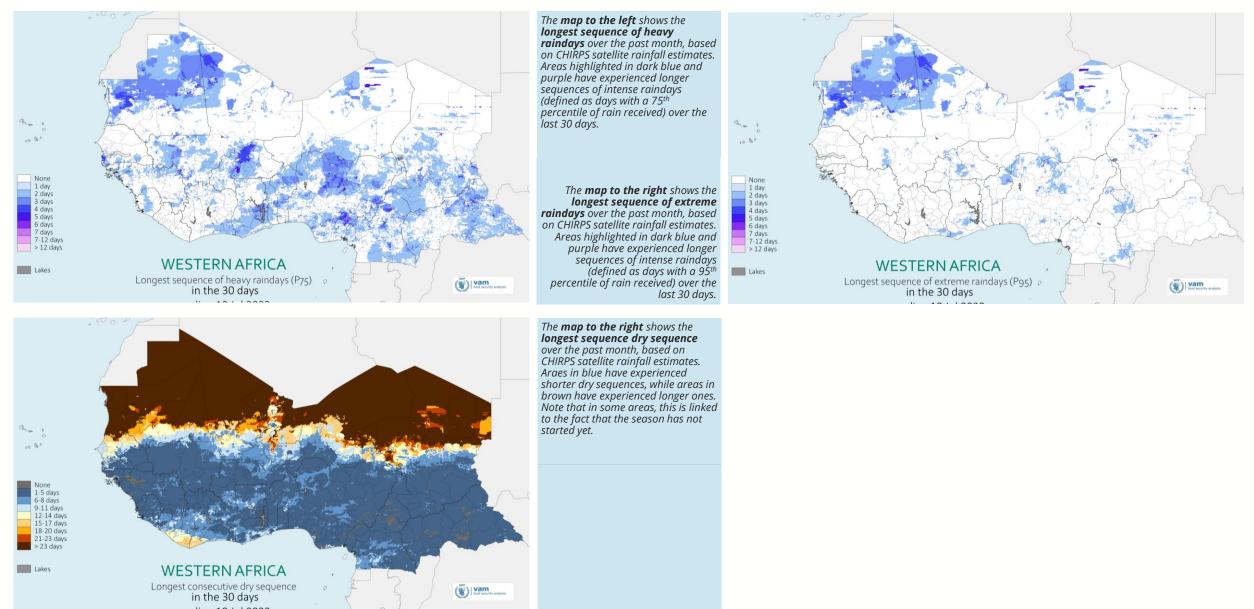
Extreme rainfall & temperature: 1-10 July 2022



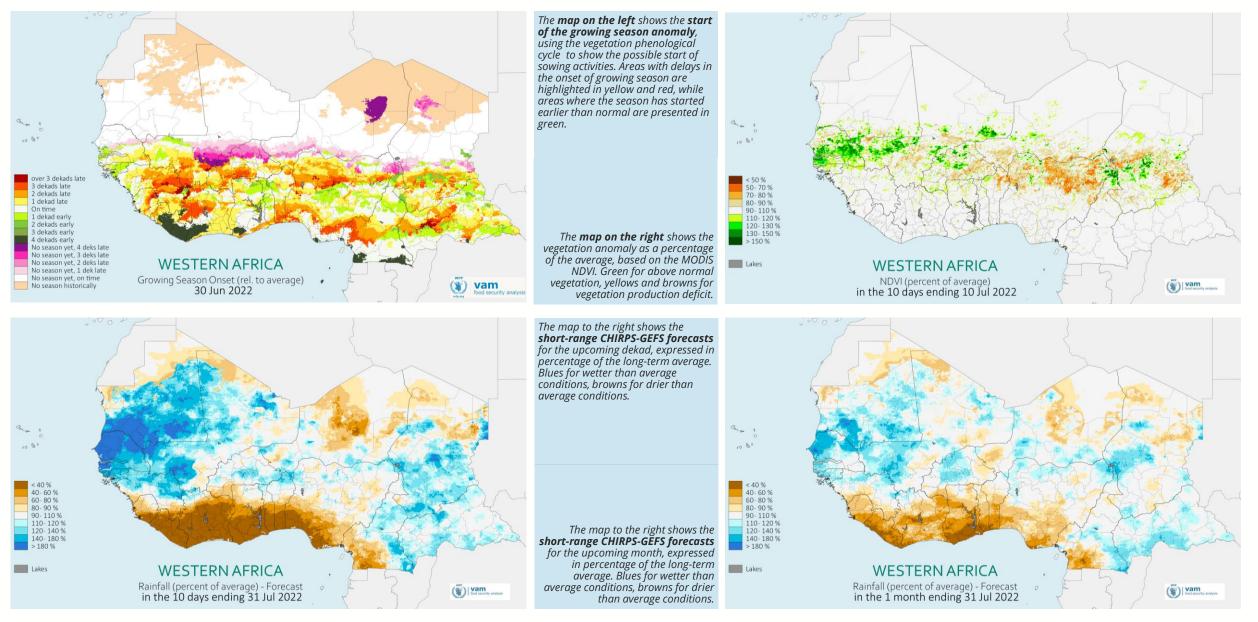
Rainfall patterns: The last month



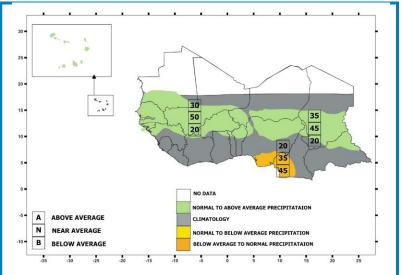
Rainfall extremes and temporal distribution: The last month



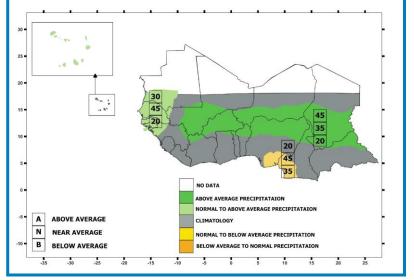
The progression of the season so far & the short-term outlook

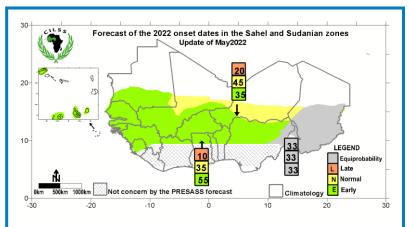


The medium-term outlook: the May 2022 PRESASS seasonal forecast Updated



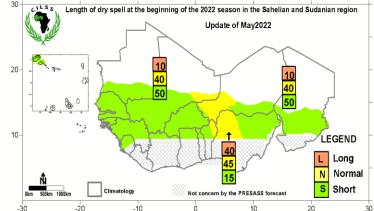
The **map above** shows the **seasonal forecast for the Jun-Aug 2022 period**, while the **map below** shows the **forecast for the second part of the season** (Jul-Sep). Areas in green are expected to receive above average rains, areas in yellow below normal rainfall.

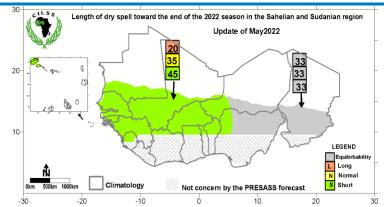




The **map above** shows the **forecast for the onset dates** of the 2022 rainy season. Areas in green are likely to experience an early start of the season, while the start of season is expected to be normal in areas highlighted in grey.

The **map below** shows the **likelihood of dry-spells** in the early stages of the 2022 rainy season. Areas in green are likely to experience shorter than normal dry-spells, while the dry sequences in areas highlighted in yellow might be longer than normal in the beginning of the 2022 rainy season.

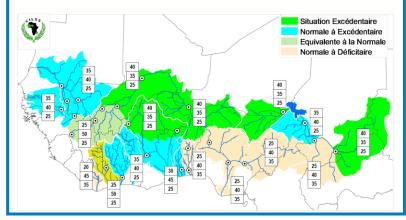




The **map above** shows the **likelihood of dry-spells** in the latter stages of the 2022 rainy season. Areas in green are likely to experience shorter than normal dry-spells, while the dry sequences in areas highlighted in yellow might be longer than normal towards the end of the 2022 rainy season.

The **map below** shows the **river basin levels** expected in 2022. Green indicates above normal river levels, blue normal to above normal levels, grey normal levels and pink below normal river levels compared to the long-term average.

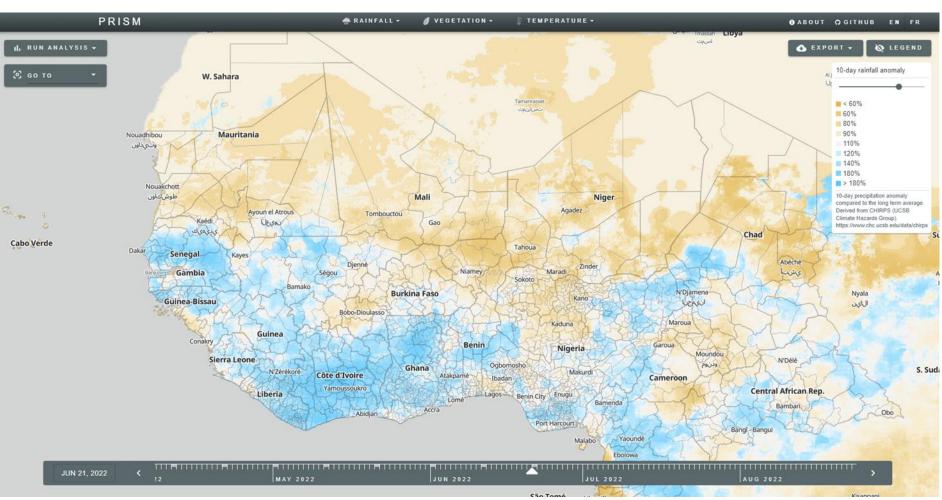
Perspectives des écoulements de la saison 2022 dans les bassins de l'espace CILSS/CEDEAO



The Platform for Real-time Impact and Situation Monitoring (PRISM)

RBD RAM is pleased to announce the launch of the **PRISM platform** for West Africa. In its first deployment phase, PRISM will allow users to visualise and download all key climate data used in this seasonal monitor. PRISM for real-time allows near monitoring of the progression of the rainy season, and to the historical rainfall. explore vegetation and temperature data.

In the coming months, additional hazards such as conflicts, as well as vulnerability layers including the historical Cadre Harmonisé (CH) Integrated Food Security and Phase Classification (IPC) data will be incorporated into the platform. The integration of these layers will also allow users to run risk impact analyses. Further functionalities and impact analytics will be built into the platform in the future. RBD RAM will also explore the integration of external data generated by national and regional partners.



You can **access the RBD PRISM Platfom** (internally and externally) by clicking on the map above, or through the following link: <u>https://prism.dakar.wfp.org/</u>.

For **more information on PRISM**, please visit this website: <u>https://innovation.wfp.org/project/prism</u>. For any specific enquiries about RBD RAM's Geospatial Analysis workstream and the roll-out of the PRISM Platform in West Africa, please contact the RBD RAM Team (<u>rbd.ram@wfp.org</u>).



Data sources: Rainfall: CHIRPS, Climate Hazards Group, UCSB Vegetation: MODIS NDVI, ESODIS-NASA

Data Processing: RAM software components, ArcGIS, QGIS



For further information: RBD RAM Unit WFP Regional Bureau for Western Africa (RBD) Dakar, Senegal <u>rbd.ram@wfp.org</u>