



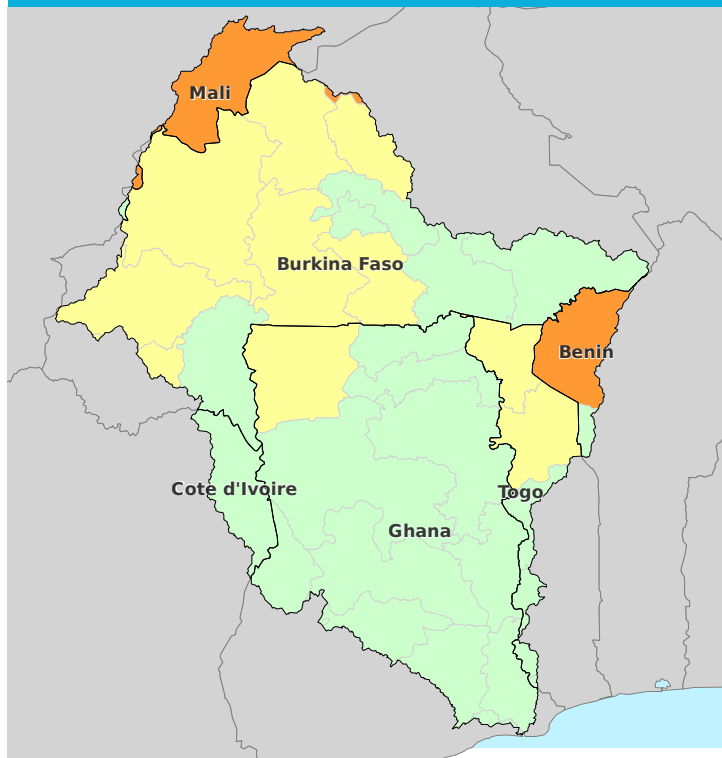
Impact bulletin for extreme precipitation and floods in the Volta basin

#2025-035

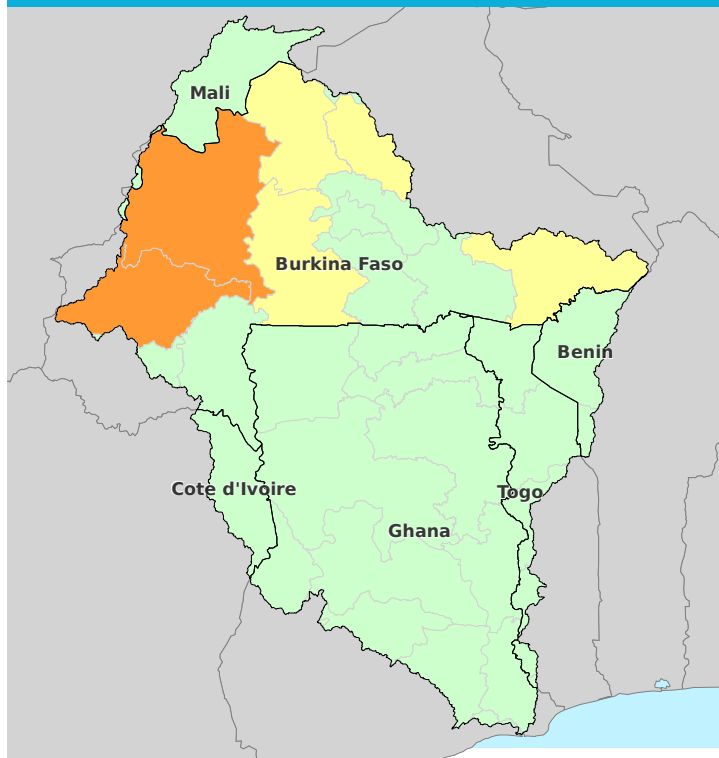
Estimated number of people potentially affected by extreme precipitation and river floods

Valid from 02/09/2025 to 06/09/2025

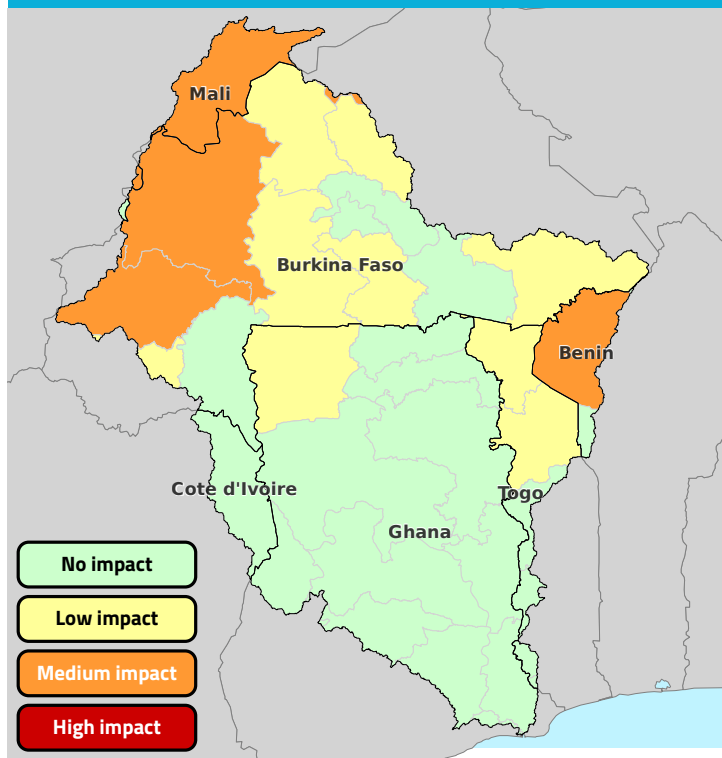
Impact from Extreme precipitation



Impact from River Floods



Combined assessment of precipitation and floods



VBA outlook

The combined assessment of the forecasts of the impacts of heavy rains and floods in the Volta basin indicates a medium impact in the regions of the Malian national portion, the western part of the Burkinabe national portion and almost all of the Beninese national portion over the next five days.

Moreover, a low impact could be observed in most regions of the rest of the Burkinabe national portion, in the Upper West region (especially around Nandom, Jirapa, Tumu and Lawra) of the Ghanaian national portion, as well as in the Kara and Savannah regions of the Togolese national portion, during the same period.

Impact-based forecasts are derived from automated analysis.



Detailed outlook on extreme precipitation for the next 5 days

#2025-035

Valid from 02/09/2025 to 06/09/2025

Impact from Extreme precipitation

Medium impact

Mali (Mopti, Segou), Benin (Atacora), Burkina Faso (Sahel)

Low impact

Burkina Faso (Boucle du Mouhoun, Cascades, Centre-Nord, Centre-Ouest, Centre-Sud, Hauts-Bassins, Nord), Togo (Kara, Savanes), Ghana (Upper West)



Agence Nationale de la Météorologie (METEO-BENIN)

Impact-based forecast are derived from automated analysis.



Agence Nationale de la Météorologie (ANAM)

Impact-based forecast are derived from automated analysis.



Société d'Exploitation et de Développement Aéroportuaire, Aéronautique et Météorologique (SODEXAM)

The rain forecast for the next five days in the Zanzan district indicates moderate rainfall, between 14 and 25 mm, in northern Bounkani on 4 September, especially in the areas of Bavé, Doropo and the surrounding areas, and then on 5 September in Tougbo, Gouamélé and nearby towns. For the rest of the forecast days, rain is expected to be low. This situation will not have an impact on the populations of the Ivorian portion of the Volta basin



Ghana Meteorological Agency (GMET)

Over the next five days, Ghana's Volta Basin is expected to record low to moderate rainfall. Accumulated totals ranging between 40–90 mm are anticipated in parts of the Upper West Region, particularly around Nandom, Jirapa, Tumu, and Lawra. The rest of the northern sector will likely see only minimal rainfall impacts, while most other areas within the basin are expected to remain unaffected during this period.



Agence Nationale de la Météorologie (MALI-METEO)

The forecasts for the next five days indicate precipitation of between **50 and 95 mm** in the Volta basin, especially in the **San** and **Mopti** regions. These accumulations could lead to **moderate impacts**.



Agence Nationale de la Météorologie (ANAMET)

Impact-based forecast are derived from automated analysis.





Detailed outlook on river floods for the next 5 days

#2025-035

Valid from 02/09/2025 to 06/09/2025

Impact from River Floods

Medium impact

Burkina Faso (Boucle du Mouhoun, Hauts-Bassins)

Low impact

Burkina Faso (Centre-Nord, Centre-Ouest, Est, Nord)



Direction Générale de l'Eau (DG Eau)

Impact-based forecast are derived from automated analysis.



Direction Générale des Ressources en Eau (DGRE)

The hydrological forecast from Continuum—WRF—Glofas models for the next five days in the Volta basin in Burkina Faso reveals a contrasting dynamic of river flows. Simulated hydrographs show generally **moderate** flows, limiting the risk of flooding in the areas of Nando, Tapoa, Kadiogo, Yaadga, Kuilsé and moderate at the Bankui and Guiriko areas. **However, the Mouhoun River presents a moderate risk of flooding, with levels likely to reach overflow thresholds. This situation could cause floods, disrupting infrastructure (roads, bridges) and agricultural areas.** Vigilance is required, as the occurrence of **rapid floods** or **localized overflows** could amplify socio-economic impacts



Direction de l'Hydrologie (DH)

Impact-based forecast are derived from automated analysis.



Ghana Hydrological Authority (HYDRO)

There shall be no impact from inundation for the next five (5) days in the country. Water levels are expected to recede slightly within the period especially at Nangodi along the Red Volta. Yarugu on the White Volta shall remain steady for the period. Mean while the Black Volta is expected see slight increases in the Water levels but is not expected to cause inundation of the surrounding communities.



Direction Nationale de l'Hydraulique (DNH)

Impact-based forecast are derived from automated analysis.



Direction des Ressources en Eau (DRE)

Impact-based forecast are derived from automated analysis.





Methodological note on impact evaluation

Regions are color-coded into four impact classes based on increasing rates of population affected, from level 1 (no impact, green) to level 4 (high impact, red).

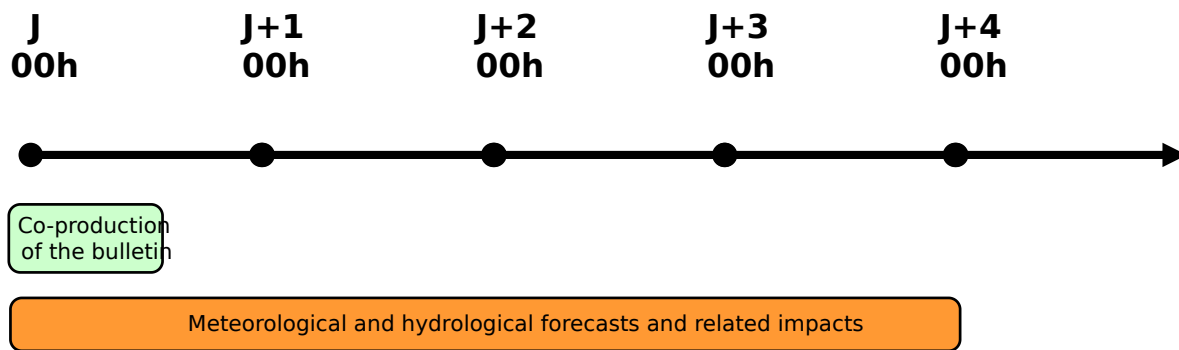
Impacts are estimated in cross-referencing information on the hazard, exposure, vulnerability and adaptive capacity. Hazard classes are defined for each hazard based on threshold values from the statistical analysis of past events or reference values from the literature.

The multi-hazard assessment map shows the highest level of impact between the hazards considered according to the hydro-meteorological conditions forecast for the next 5 days.

Impact Level	Value Impact
Green: No Impact	0 people
Yellow: Low Impact	< 0.5% admin unit pop
Orange: Medium Impact	< 5% admin unit pop or > 10k people
Red: High Impact	> 5% admin unit pop or > 50k people

Procedure and acknowledgments

The bulletin is issued twice a week, Tuesday and Friday, at 1:30 p.m. GMT thanks to the co-production work between the meteorological and hydrological agencies of the 6 riparian countries and the Volta Basin Authority (VBA). It provides a level 1 administrative unit scale overview of the population impact forecast for the next 5 days related to forecasted heavy rain and riverine flooding conditions.



Contact to: secretariat.abv@gmail.com

This bulletin for the Volta basin is produced by the VBA with the technical and scientific assistance of the agencies in charge of meteorology and hydrology of the 6 riparian countries (Benin: DG-Eau, Météo Bénin; Burkina Faso: DGRE, ANAM; Cote d'Ivoire: DH, SODEXAM; Ghana: GHA, GMet; Mali: DNH, Mali Météo; Togo: DRE, DGMN), WMO, GWP-WA, CIMA Foundation with the support of the Adaptation Fund.

