



Impact bulletin for extreme precipitation and floods in the Volta basin

#2025-017

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

Valid from 01/07/2025 to 05/07/2025

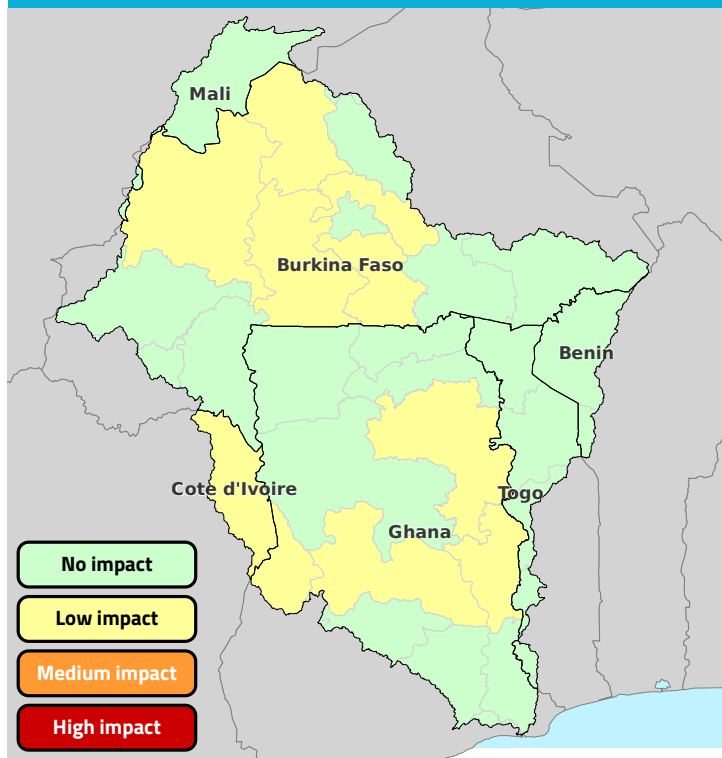
Impact from Extreme precipitation



Impact from River Floods



Combined assessment of precipitation and floods



VBA outlook

Forecasts of the impacts of heavy rains in the Volta basin indicate, during the period from 1st to 5 July 2025, a low impact in the Boucle du Mouhoun, Center-West, Center-South, Center-South, Center-South, North, North and Central Plateau regions in Burkina Faso.

In addition, a low impact could be observed in the Bono (Bui, Berekum), Bono East (Techiman), Northern (Zabzugu), Oti (Dambai, Nkwanta) regions as well as the surrounding areas in Ghana, during the same period.

The Ivorian national portion of the basin could also suffer from a low impact, especially during the night of 3 to 4 July 2025.

Impact-based forecasts are derived from automated analysis.



Detailed outlook on extreme precipitation for the next 5 days

#2025-017

Valid from 01/07/2025 to 05/07/2025

Impact from Extreme precipitation

Low impact

Burkina Faso (Boucle du Mouhoun, Centre-Ouest, Centre-Sud, Nord, Plateau Central), Cote d'Ivoire (Zanzan), Ghana (Bono, Bono East, Northern, Oti)



Agence Nationale de la Météorologie (METEO-BENIN)

Impact-based forecast are derived from automated analysis.



Agence Nationale de la Météorologie (ANAM)

For the period from 01 to 5 July, conditions remain humid with scattered rains on the Burkinabe portion of the Volta Basin. However, at the beginning of the period and around July 5, rains could interest most of the portion with low impacts on the regions of Center-South, Center-West, Boucle du Mouhoun, Boucle du Mouhoun, North and Plateau-Central.



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

The rain forecast for the next five days in Zanzan district indicates light rain (less than 20mm) on the nights of 1 to 3 June and moderate to heavy rains (30 to 45 mm) on the night of 3 to 4 June. This situation will have a low impact on the populations of the Ivorian portion of the Volta basin, especially during the night of 3 to 4 June.



Ghana Meteorological Agency (GMET)

Over the next 5 days, moderate rainfall (30–70mm) is expected in parts of the Ghana portion of the Volta Basin, including Bono (Bui, Berekum), Bono East (Techiman), Northern (Zabzugu), Oti (Dambai, Nkwanta) and nearby areas, with low impact expected. The rest of the basin will see light rainfall with no expected impact.



Agence Nationale de la Météorologie (MALI-METEO)

Impact-based forecast are derived from automated analysis.



Agence Nationale de la Météorologie (ANAMET)

Light to moderate rains will be recorded over the next five days in the national portion of the Volta Basin. These quantities of rain will not have an impact on the population of the localities located in the regions of Savanes, Kara and West of Centrale and Plateaux.





Detailed outlook on river floods for the next 5 days

#2025-017

Valid from 01/07/2025 to 05/07/2025

Impact from River Floods

None



Direction Générale de l'Eau (DG Eau)

Impact-based forecast are derived from automated analysis.



Direction Générale des Ressources en Eau (DGRE)

Impact-based forecast are derived from automated analysis.



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. Water levels across the country remain low and do not pose any threat of inundation for the next five (5) days.



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).

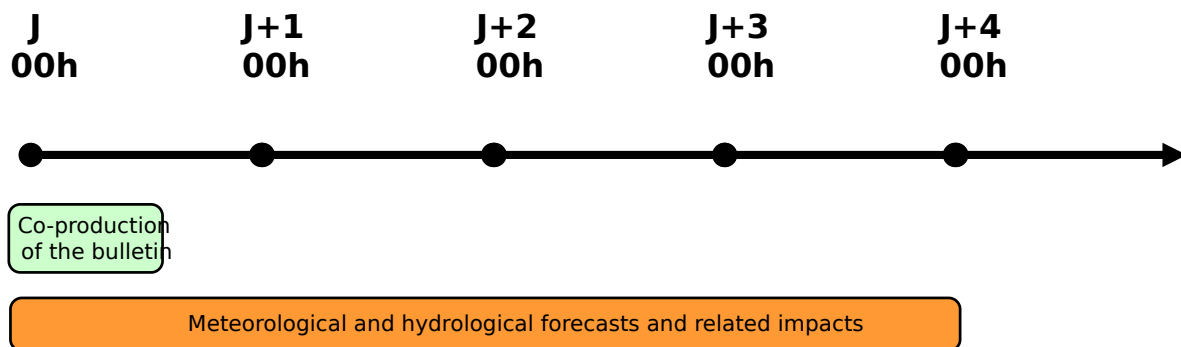
Impacts are estimated in cross-referencing information on the hazard, exposure, vulnerability and adaptive capacity. Hazard classes are defined for each hazard based on threshold values from the statistical analysis of past events or reference values from the literature.

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.



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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.

