Impact bulletin for extreme precipitation and floods in the Volta basin

#2025-011

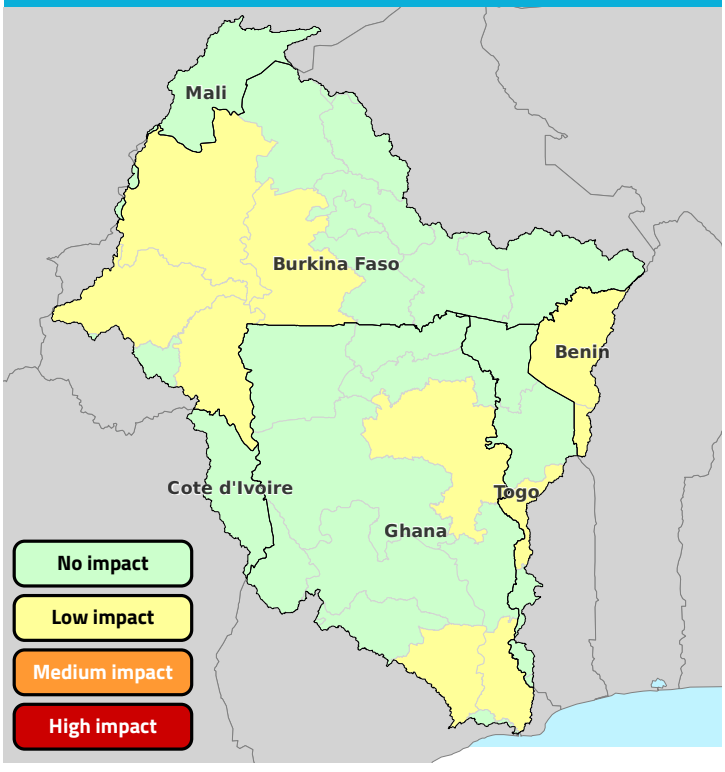
Estimated number of people potentially affected by extreme precipitation and river floods

Valid from 10/06/2025 to 14/06/2025

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, during the next five days, a low impact in the Boucle du Mouhoun, Center-West, Hauts-Bassins and South-West regions in Burkina Faso, as well as in the Eastern (Begoro, Adukrom), Northern (Adukrom), Northern (Savelegu), Volta (Ho) regions, and their surroundings in Ghana.

In addition, a low impact could be observed in the western Central region of Togo and in the regions of the Beninese national portion, during the same period.

Impact-based forecasts are derived from automated analysis.

Detailed outlook on extreme precipitation for the next 5 days *#2025-011*

Valid from 10/06/2025 to 14/06/2025

Impact from Extreme precipitation

Low impact Burkina Faso (Boucle du Mouhoun, Centre-Ouest), Togo (Centrale), Benin (Alibori, Atacora, Donga), Ghana (Eastern, Northern, Volta)

Agence Nationale de la Météorologie (METEO-BENIN)

Light to moderate rains are forecast for the next five days in the Beninese part of the Volta basin, with a low impact.

Agence Nationale de la Météorologie (ANAM)

Apart from the ongoing rains in the Burkinabe part of the Volta basin, more rains are expected around June 13, as well as between June 14 and 15, over most of the basin. This situation could lead to rain accumulations of more than 40 mm, with low impacts on the Boucle du Mouhoun and Center-Ouest regions

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Societé d'Exploitation et de Developpement Aéroportuaire, Aéronautique et Météorologique (SODEXAM)

The rain forecasts for the next five days for the national portion of the Volta basin indicate, for the day of 11/06/2025, moderate rains between 15 and 25 mm in several cities in the Gontougo region and in Bouna, in the Bounkani region. Light rains are forecast for the remaining days of the forecast throughout Zanzan district. This situation will not have an impact on the populations of the Ivorian portion of the Volta basin.

Ghana Meteorological Agency (GMET)

Low rainfall below 30mm is expected across most parts of the Ghana portion of the Volta Basin over the next 5 days. Moderate rainfall is expected in areas such as Volta Region(Ho), Eastern (Begoro, Adukrom), Northern (Savelegu) and their environs with rainfall accumulation ranging between 30 - 60mm associated with low impact.

Agence Nationale de la Météorologie (MALI-METEO)

Impact-based forecast are derived from automated analysis.

Agence Nationale de la Météorologie (ANAMET)

Over the next five days, light moderate rains are expected in the Togolese portion of the Volta basin with a low impact that will be observed in the western part of the Central Region.

Detailed outlook on river floods for the next 5 days *#2025-011*

Valid from 10/06/2025 to 14/06/2025

Impact from River Floods

Low impact Burkina Faso (Boucle du Mouhoun, Centre-Ouest, Hauts-Bassins, Sud-Ouest)

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 for the next five days in the Volta basin in Burkina Faso indicates that rivers will have higher or lower levels due to rains in most of the country. The floods will not have an impact on the entire basin. However, the Hauts-Bassins, Boucle du Mouhoun, Boucle du Mouhoun, South-West and Mid-West regions could have low impacts with an average trend linked to floods in some areas. The populations of these various areas must therefore observe vigilance in the face of rising waters.

Direction de l'Hydrologie (DH)

Impact-based forecast are derived from automated analysis.

Ghana Hydrological Authority (HYDRO)

There shall be generally no impact from inundation within the period. Water levels across the the country still remain low and pose no threat of inundation within 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).

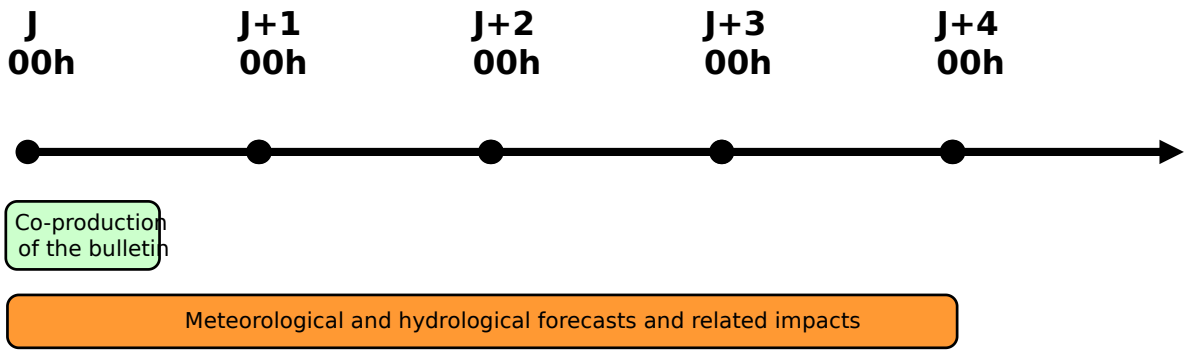
Impacts are estimated in cross-referencing information on the hazard, exposure, vulnerability and adaptive capacity. Hazard classes are defined for each hazard based on threshold values from the statistical analysis of past events or reference values from the literature.

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.