



Impact bulletin for extreme precipitation and floods in the Volta basin

#2025-022

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

Valid from 18/07/2025 to 22/07/2025

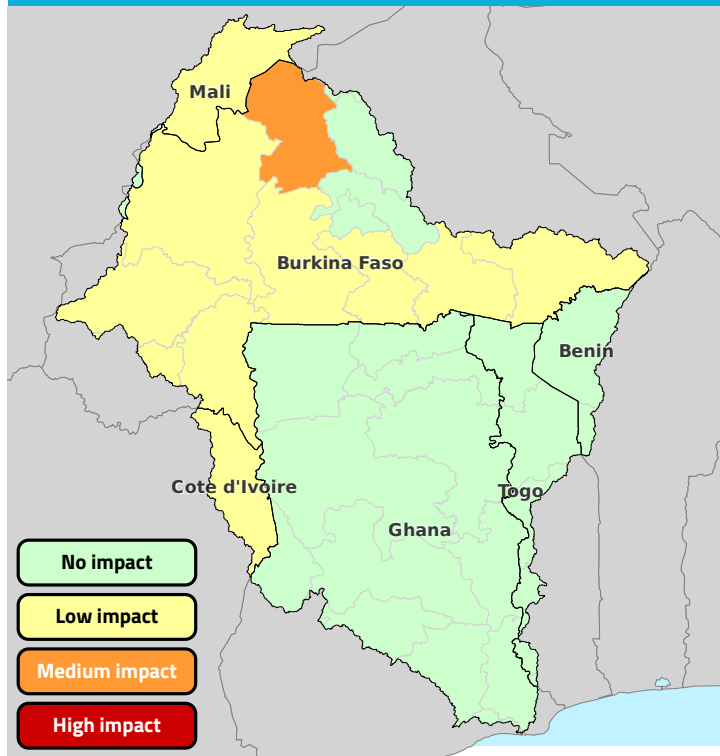
Impact from Extreme precipitation



Impact from River Floods



Combined assessment of precipitation and floods



VBA outlook

Hydrological forecasts for the next five days indicate that water levels in the Volta basin in Burkina Faso will remain in decline, with no major impacts expected on the population. The populations of these areas are called upon to be vigilant and to follow the instructions of the authorities.

In the Ivorian portion of the basin, the forecasts indicate very low water levels at all the stations, with no risk of impact. Water levels along the Volta basin remain low and therefore present no threat of flooding

Rainfall will be low, with accumulations of less than 15 mm to 20 mm in Benin, Togo and Ghana will have no impact on populations.

A major rainy event is expected between July 20 and 21, with overall low to moderate impacts in Burkina Faso and when in Côte d'Ivoire, Rainfall will generally be low, less than 10 mm



Detailed outlook on extreme precipitation for the next 5 days

#2025-022

Valid from 18/07/2025 to 22/07/2025

Impact from Extreme precipitation

Medium impact

Burkina Faso (Nord)

Low impact

Burkina Faso (Boucle du Mouhoun, Cascades, Centre-Est, Centre-Ouest, Centre-Sud, Est, Hauts-Bassins, Sud-Ouest), Mali (Mopti), Cote d'Ivoire (Zanzan)



Agence Nationale de la Météorologie (METEO-BENIN)

Low rainfall is expected over the next five days on the Beninese portion of the Volta basin. Cumulative rainfall will remain below 20 mm and should have no impact on populations.



Agence Nationale de la Météorologie (ANAM)

A major rainy event is expected between July 20 and 21, with overall low to moderate impacts on the Burkinabe portion of the Volta Basin.



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

The rain forecast for the next five days in the Zanzan district indicates low amounts of precipitation, less than 10 mm, over the entire forecast period, with the exception of the night of 20 to 21 July, during which moderate rains, between 40 and 60 mm, are expected in the Gontougo region, especially in Sorobango, Laoudi-Ba, Kamala and Flakiedougou. This situation will have a low impact on the populations of the Ivorian portion of the Volta basin living in the areas mentioned.



Ghana Meteorological Agency (GMET)

The forecast for the next five days over Ghana's Volta Basin shows low rainfall with rainfall accumulation less than 15mm. No impact is expected over the period.



Agence Nationale de la Météorologie (MALI-METEO)

Impact-based forecast are derived from automated analysis.



Agence Nationale de la Météorologie (ANAMET)

Light rains will be recorded over the next five days on the Togolese portion of the Volta basin. These rain totals will be less than or equal to 20 mm. They will have no impact on the population.



Detailed outlook on river floods for the next 5 days

#2025-022

Valid from 18/07/2025 to 22/07/2025

Impact from River Floods

Low impact

Burkina Faso (Boucle du Mouhoun)



Direction Générale de l'Eau (DG Eau)

Impact-based forecast are derived from automated analysis.



Direction Générale des Ressources en Eau (DGRE)

Hydrological forecasts from the Continium Model and Hype Burkina for the next five days indicate that water levels in the Volta basin in Burkina Faso will remain in decline, with no major impacts expected on the population. However, slight effects could occur in the Mouhoun region depending on predicted rains. It could impact the roads in the region. The populations of these areas are called upon to be vigilant and to follow the instructions of the authorities



Direction de l'Hydrologie (DH)

The forecasts for the next 05 days in the Ivorian portion of the basin indicate very low water levels at all the stations. Overall, there will be no risk of impact.



Ghana Hydrological Authority (HYDRO)

The shall be no impact from inundation throughout the country for the next five (5) days. Water levels along the Volta Basin in the country remain low and therefore do no 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).

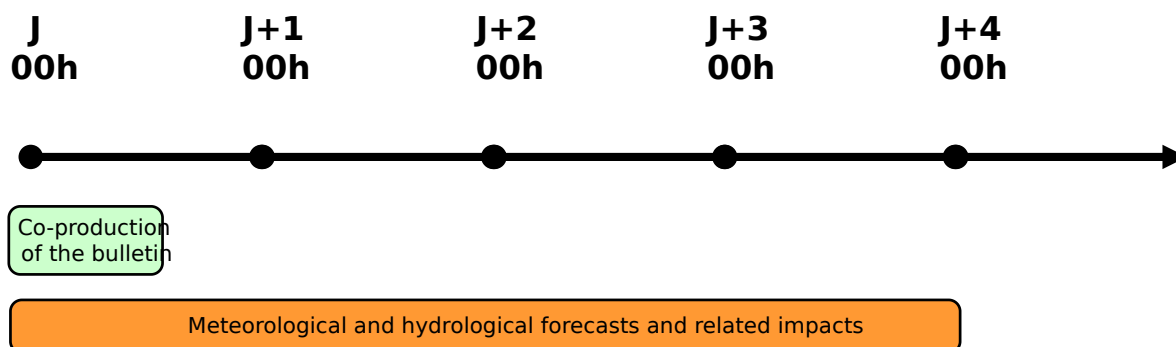
Impacts are estimated in cross-referencing information on the hazard, exposure, vulnerability and adaptive capacity. Hazard classes are defined for each hazard based on threshold values from the statistical analysis of past events or reference values from the literature.

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.



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.

