



Impact bulletin for extreme precipitation and floods in the Volta basin

#2025-049

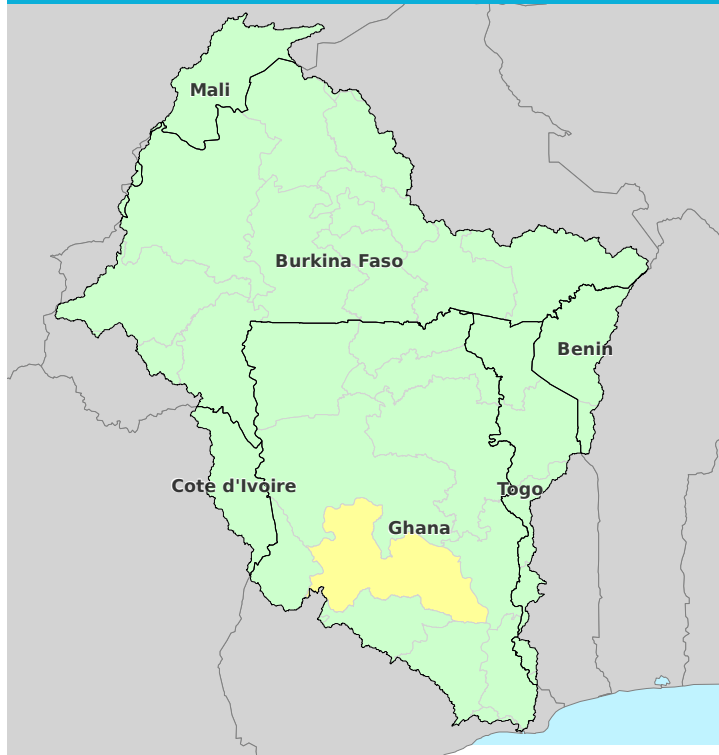
Estimated number of people potentially affected by extreme precipitation and river floods

Valid from 21/10/2025 to 25/10/2025

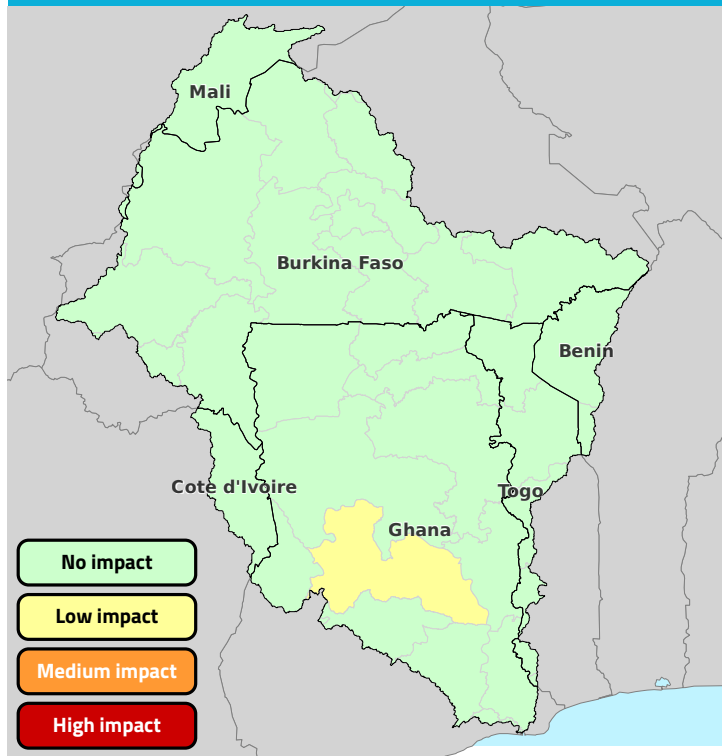
Impact from Extreme precipitation



Impact from River Floods



Combined assessment of precipitation and floods



VBA outlook

Forecasts of the impacts of river floods in the Volta basin indicate a low impact in the Bono East region, in the Ghanaian national portion, during the next 5 days.

Indeed, the water level in the entire Ghanaian national portion is expected to fall, except in areas such as Seneso (Bono East region) and Afram (Ashanti region), where the water level could rise. Communities in these areas should exercise caution, even if the impact of possible floods is low during

this period.
Impact-based forecasts are derived from automated analysis.



Detailed outlook on extreme precipitation for the next 5 days

#2025-049

Valid from 21/10/2025 to 25/10/2025

Impact from Extreme precipitation

None



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 Zanzan district indicates light rain, less than 10 mm. This situation will not have an impact on the populations of the Ivorian portion of the Volta basin.



Ghana Meteorological Agency (GMET)

Generally low rainfall is expected over the Volta basin area in Ghana during the next five days. Rainfall accumulation of less than 10mm is projected in most areas, particularly across the southern parts of the basin. No significant impacts are anticipated during this period.



Agence Nationale de la Météorologie (MALI-METEO)

Impact-based forecast are derived from automated analysis.



Agence Nationale de la Météorologie (ANAMET)

Impact-based forecast are derived from automated analysis.





Detailed outlook on river floods for the next 5 days

#2025-049

Valid from 21/10/2025 to 25/10/2025

Impact from River Floods

Low impact

Ghana (Bono East)



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, resulting from the combination of Continuum and Hype models, anticipates a continuous decrease in water levels in the Volta basin in Burkina Faso. In the absence of predicted rainfall, the risk of flooding remains non-existent. However, the regions of Djoro, Guiriko and Bankui may be interested in light rains that will not be able to impact the populations. But 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 period in the country except the Bono East region that shall experience low impact from inundation. Water levels across the country are expected to drop except areas like Seneso in the Bono East region and Afram area in the Ashanti regions that are expected to see rising water levels. Surrounding communities to these areas should therefore take caution even though low impact from possible inundation is expected for the period.



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).

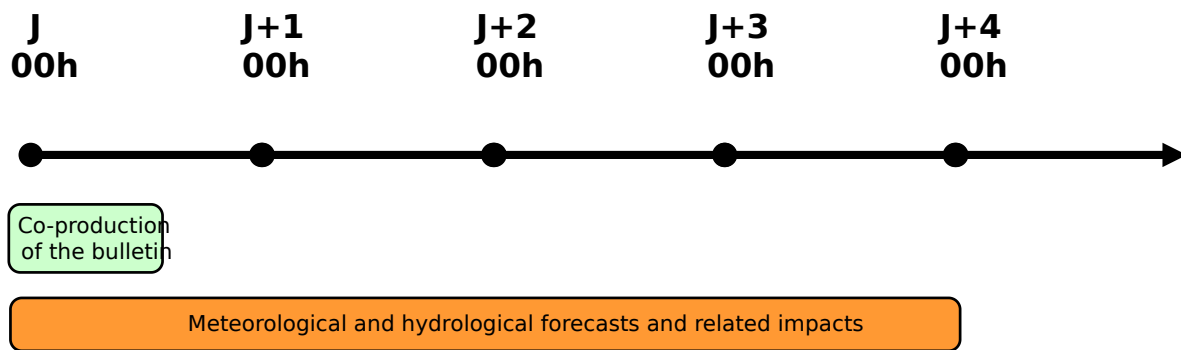
Impacts are estimated in cross-referencing information on the hazard, exposure, vulnerability and adaptive capacity. Hazard classes are defined for each hazard based on threshold values from the statistical analysis of past events or reference values from the literature.

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.

