



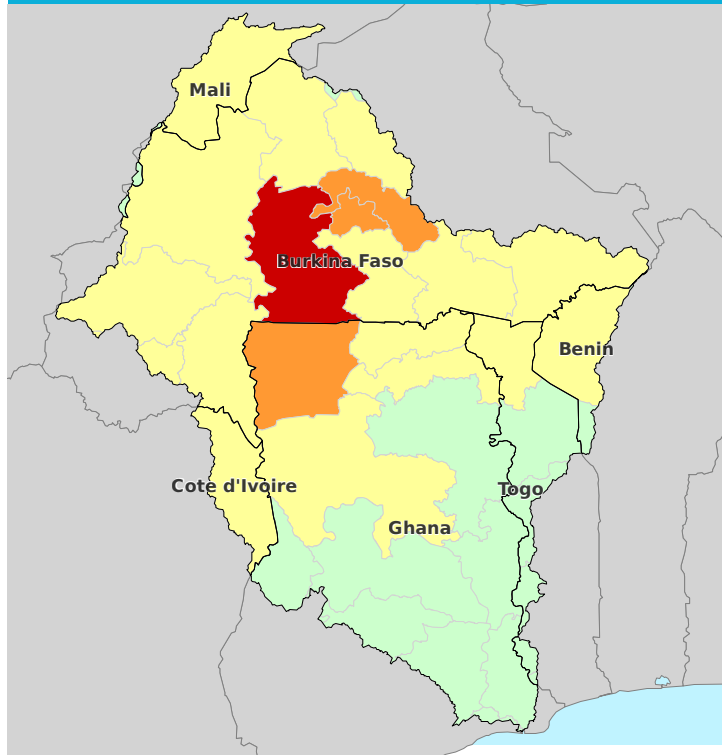
Impact bulletin for extreme precipitation and floods in the Volta basin

#2025-014

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

Valid from 20/06/2025 to 24/06/2025

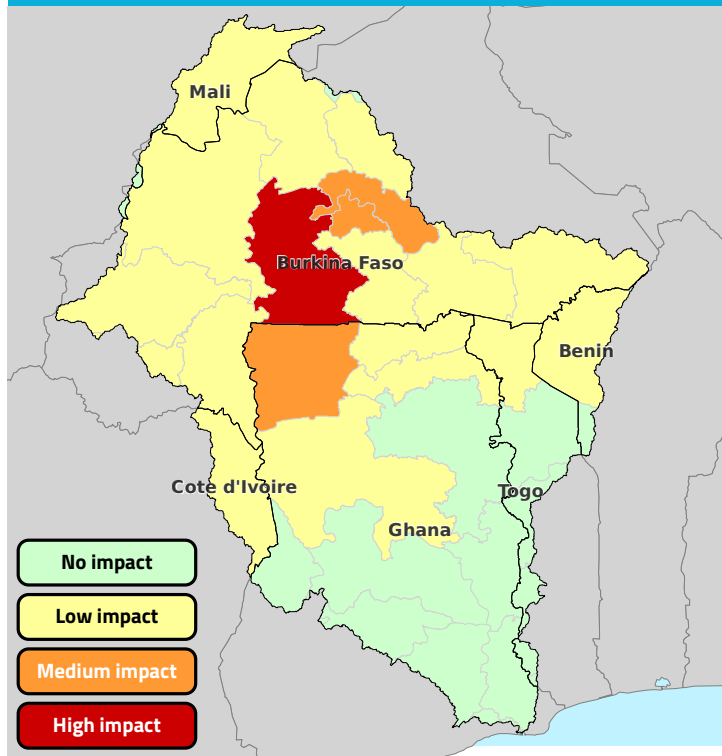
Impact from Extreme precipitation



Impact from River Floods



Combined assessment of precipitation and floods



VBA outlook

The combined evaluation of the forecasts of the impacts of heavy rains and floods in the Volta basin shows a high impact in the Center-West region of Burkina Faso.

In addition, a medium impact could be observed in the Central and Central Plateau regions in Burkina Faso and Upper West (Wa, Lawra) in Ghana.

A low impact is expected in the rest of the Burkinabe national portion, as well as in the Northern East, Savannah, Upper East regions in Ghana, Savanes in Togo, and Moptia in Togo, and Moptia in Mali.

The Beninese (locality of Natitingou) and Ivorian (Bounkani region) national portions of the Volta basin could also suffer a low impact during the next five days.

Impact-based forecasts are derived from automated analysis.



Detailed outlook on extreme precipitation for the next 5 days

#2025-014

Valid from 20/06/2025 to 24/06/2025

Impact from Extreme precipitation

High impact

Burkina Faso (Centre-Ouest)

Medium impact

Burkina Faso (Centre, Plateau Central), Ghana (Upper West)

Low impact

Burkina Faso (Boucle du Mouhoun, Cascades, Centre-Est, Centre-Nord, Centre-Sud, Est, Hauts-Bassins, Nord, Sud-Ouest), Mali (Mopti), Benin (Atacora), Cote d'Ivoire (Zanzan), Togo (Savanes), Ghana (Northern East, Savannah, Upper East)



Agence Nationale de la Météorologie (METEO-BENIN)

Light to moderate rains are expected in the Beninese portion of the Volta basin over the next five years. The accumulation of precipitation varies between 20-50mm, especially in Natitingou on the next 24th where the impact will be low on the population.



Agence Nationale de la Météorologie (ANAM)

During the period from 20 to 24 June, the situation will be humid on the Burkinabe portion of the Volta Basin, **with rains at the beginning of the period and between 23 and 24 June**. This could cause high impacts in the Center-West, moderate in the Center and in the Central Plateau. Elsewhere on the portion, the impacts will be manageably low.



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

Rain forecasts for the next five days in the Ivorian portion of the Volta basin indicate low to moderate rainfall (10 to 50 mm) in the Bounkani region, between June 21 and 22, with low impacts expected. For the rest of the forecast period, rains will remain low. Concerning the Gontougo region, the expected rainfall will remain low throughout the period, with no impact on populations.



Ghana Meteorological Agency (GMET)

The 5-day forecast for the Ghana portion of the Volta basin indicates moderate to high rainfall with total rainfall accumulation ranging between 50–100mm in the Upper West Region (Wa, Lawra) with medium impact. Other areas such as the Upper East, Northeast, and Savannah regions are expected to record low to slightly moderate rainfall with low impact, while the rest of the basin is expected to record low rainfall with no significant impact.



Agence Nationale de la Météorologie (MALI-METEO)

Low to moderate rainfall (25 to 50 mm) is expected in the next five days in the Malian portion of the basin. These cumulative rainfall could cause moderate impacts, especially on vulnerable populations in the Mopti region.



Agence Nationale de la Météorologie (ANAMET)

Impact-based forecast are derived from automated analysis.





Detailed outlook on river floods for the next 5 days

#2025-014

Valid from 20/06/2025 to 24/06/2025

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)

Hydrological forecasts predict a rise in the level of rivers in the Volta basin. This situation is due to heavy rains expected in most of Burkina Faso. The overall impact of floods remains low, but some regions are more exposed. The Central and Central Plateau regions could experience moderate impacts. The Center-West region is particularly at risk with a high level of flooding. The populations of the areas concerned must be more vigilant. Special care is required for residents living near waterways. Precautionary measures are recommended to limit the risks associated with rising water levels.



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 remain low within the country and do not pose any threat of inundation within the period.



Direction Nationale de l'Hydraulique (DNH)

Impact-based forecast are derived from automated analysis.



Direction des Ressources en Eau (DRE)

Forecasts show that in the next 5 days, a hydrological situation will be observed with a low impact on populations in the savannah region. The rest of the Togolese portion of the basin will be without any impact.



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).

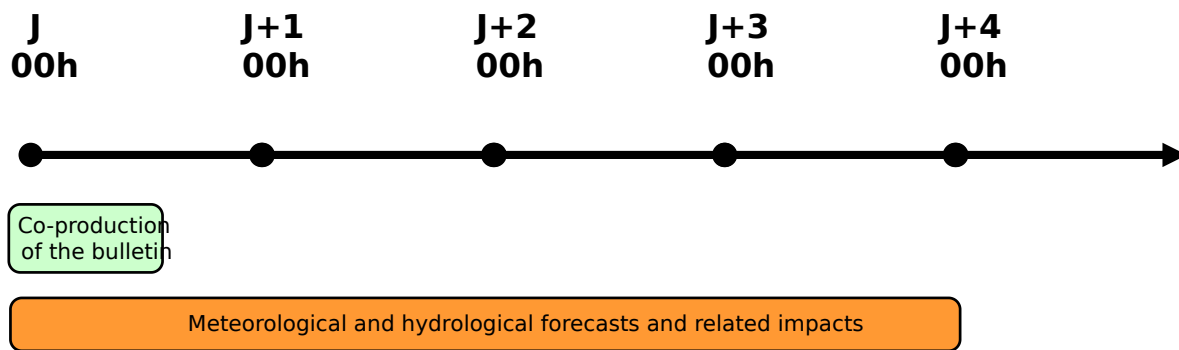
Impacts are estimated in cross-referencing information on the hazard, exposure, vulnerability and adaptive capacity. Hazard classes are defined for each hazard based on threshold values from the statistical analysis of past events or reference values from the literature.

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.

