WEATHER CLIMATE WATER
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WMO OMM
World Meteorological Organization
Organisation météorologique mondiale
Organización Meteorológica Mundial
Всемирная метеорологическая организация
المنظمة العالمية للأرصاد الجوية
世界气象组织

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Our ref.: 6767032/2026/ESDP/HMF 16 July 2026

Annex: 1

Subject: Request for hydrometeorological data for the development of FANFAR operational riverine flood forecasting in Central Africa

Dear Sir/Madam,

The World Meteorological Organization (WMO) is pleased to refer to the implementation of the Climate Risk and Early Warning Systems (CREWS) Central Africa project, which contributes to WMO's Early Warnings for All initiative. The CREWS Central Africa project supports the development and implementation of FANFAR riverine flood forecasting over Central Africa (Angola, Burundi, Cameroon, Central African Republic, Chad, Congo, the Democratic Republic of the Congo, Gabon, Rwanda, São Tomé and Principe) to support related warning services. FANFAR is implemented by the AGRHYMET Regional Center (AGRHYMET) and the Swedish Meteorological and Hydrological Institute (SMHI).

To adapt the FANFAR system to each country's geographical, meteorological and hydrological conditions, access to national information, historical data and real-time observations is essential. These data will enable proper configuration, calibration, validation and operational implementation, thereby ensuring outputs that are well tailored to national contexts. We recognize that WMO periodically requests hydrological data from Members for other purposes. However, the present request is specifically intended to support the implementation and operationalization of the FANFAR flood forecasting system under the CREWS Central Africa project. In this regard, I kindly request your institution's support in facilitating access to the data listed in the annex, in coordination with other relevant national institutions.

The requested data may be shared through existing WMO data sharing mechanisms such as the WMO Hydrological Observing System (WHOS) or relevant WMO Global Data Centres. The data will be used by AGRHYMET and SMHI exclusively for the development and implementation of the FANFAR river flood forecasting system in your region; it will not be redistributed or used for other purposes. I would appreciate if you could share the nationally available datasets and related metadata described in the annex **by 23 July 2026.**

To: Hydrological Advisers to Permanent Representatives of Members with WMO (Angola, Cameroon, Chad, Congo, Gabon, Rwanda and São Tomé and Príncipe) (limited distribution)

cc: Permanent Representatives of Members with WMO

The optimal development of the FANFAR system (e.g. tailoring, calibration, validation) and the performance of related flood forecasting products depends on the data that countries in the region make available.

I sincerely appreciate your attention and cooperation.

Yours faithfully,

Ms Ko Barrett
for the Secretary-General

Information and data requested for the development and implementation of the FANFAR riverine flood forecasting in Central Africa

No.	Type	Intended use in FANFAR	Details
1	Metadata for hydrological stations	Modify sub-basins and link observations to hydrological model	Fill in q-station-data.xlsx current stations (already in the list), and new stations. Share with AGRHYMET and SMHI
2	Historical discharge time series	Calibrate and evaluate the hydrological model	Select key stations with good quality and time series data for >5 years. Format and method of sharing: 1. XLSX files to AGRHYMET and SMHI (use Hydrometric_Station_ Data_Template.xlsx) 2. Through WMO systems (WHOS)
3	Historical water level time series	• Convert to discharge (using rating curves), then use to calibrate and evaluate the model • Link with simulated discharge to provide forecasts of water levels	Select key stations with good quality and time series data for >5 years. Use same method and format for sharing as for discharge (see above)
4	Rating tables or rating curves	Convert between discharge and water levels (historical and recent periods)	Fill in Hydrometric_Station_Rating _Curves_Template_v2.xlsx. It is useful with curves valid for historical periods and with curves that are valid now. In the future they may need to be updated. Share with AGRHYMET and SMHI
5	Flood-prone areas	Focus model refinements and evaluation on these areas	Floodprone_Areas_and Warning_Levels_Template.xlsx