



Country Benefits from Flood Forecasting & Early Warning and Establishing Drought Monitoring & Forecasting System

➤ The regular yearly rainy season daily flood forecast information services provided by EN-FFEWS has been utilized by the three countries and other stakeholders to save lives and their assets benefits more than 1 million people across the three countries.

➤ Enhancement of riverine Flood Forecast and Early Warning (FFEW) system for the EN region and usable also at National level,

➤ Acquisition of the latest floodplain topographic map (DEM) and asset maps (data services)

➤ Identification of areas with high flood risk and investment options for flood risk mitigation in the Nile Basin (coordinated with component 2).

➤ Community flood awareness and preparedness enhanced during ENTRO field visit for selected floodplains (Ethiopia four sites), South Sudan (four sites) and Sudan (three sites) .

➤ Development and operationalization of a basin-wide seasonal drought forecasting / monitoring undergoing with potential of benefits the entire Nile basin peoples.

➤ Created collaborative platform for the EN countries and decision makers to work together.



Work to realize shared benefits of cooperative Water Resources Development and Management in the Eastern Nile".

**ONE RIVER
ONE PEOPLE
ONE VISSION**

Flood Forecasting and Early Warning for Eastern Nile sub-basins and Establishing Drought Monitoring and Forecasting System for the Nile basin.

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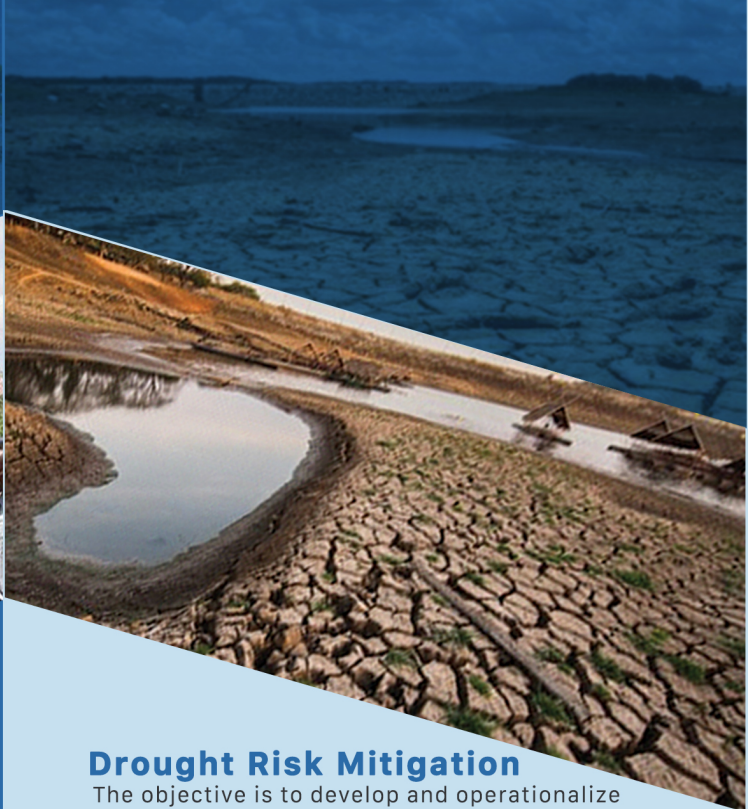
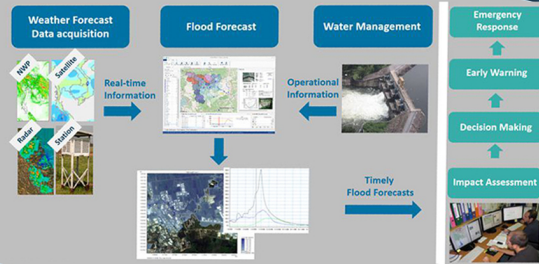


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Objective

The overall objective of Flood and Drought Risk Mitigation project is to improve enhanced services for preparedness against flood and drought risks through provisions of flood and drought forecasting. This work will directly contribute to improved national capacities to accommodate the impact of climate variability, which is the core element of climate-resilient water resources management.

Strengthening regional information systems, tools and plans for flood and drought risk mitigation, including enhancing the regional flood forecast and early warning system and developing a drought monitoring system.

Flood Risk Mitigation

The objective is the enhancement of riverine Flood Forecast and Early Warning (FFEW) system for the EN region and the National Flood Forecasting Centers of the EN countries and make available the forecast and early warning information for their further action.

Work Package 1 :- Surveying and Data Collection (topographic, infrastructure, socioeconomic:

Work Package 2 :- Enhancement of the Eastern Nile Flood Forecasting and Early Warning System and Flood Risk Mapping (consultant DHI). The project period 15 August 2023- 15 July 2024.

Work Package 3 :- Support in Establishing Flood Community Awareness and Preparedness:

Drought Risk Mitigation

The objective is to develop and operationalize basin-wide seasonal drought forecasting / monitoring and make available the forecast and early warning information to relevant stakeholders.

Drought Monitoring and Early Warning System aimed at detecting the onset of drought conditions and facilitate timely and effective responses that enable government, organization, farming, pastoral, urban communities and individual to respond rapidly and effectively for example:

- Pastoral – stocking feed, gov early buy livestock at fair price, positioning water,
- Rain fed – drought resistance seed; on farm water conservation, government lend cash to farmers,
- Government – early procurement of food items (nationwide), and
- Reservoir operators – working out the details of water rationing and saving mechanisms.