

RESULTS DISSEMINATIONS

The EN Seasonal Flood Forecast and Early Warning program provides a platform to share its information with eastern Nile communities and to deliver a useful service to them; These forecasts and flood bulletins have been made available on ENTRO web portal, disseminated to ministries and flood prone area communities.



REGIONAL IMPACT FOR LONG TERM PROTECTION

The EN Seasonal Flood Forecast and Early Warning program is recognized as one of the most promising responses to the recurrent flooding challenges facing the EN countries. The early warning system has reduced vulnerability of people living in the eastern Nile to the negative impacts of floods, and there is improved dialogue and coordination among member states and regional partners in addressing transboundary flood issues. The project, and the ongoing work arising from it, has:

- **Enhanced regional coordination capacity;** National flood coordination units in the EN regularly share information and data that has contributed to a reduction in devastation from floods.
- **Strengthened institutional linkages;** National governments work closely with regional governments, relief agencies, and local communities, enhancing ownership of the system and processes.
- **Protected lives and property;** The dynamic flood forecasting warning and communication system has improved disaster and emergency preparedness and response.
- **Empowered communities;** Local people enjoy a greater sense of well-being and control as they engage with others through the FFEW system. The forecasting tools are used to alert neighbors and government agencies for prompt action.

GOT QUESTIONS? CONTACT US

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Eastern Nile Seasonal Flood Forecast and Early Warning



ENTRO
NILE BASIN INITIATIVE
INITIATIVE DU BASSIN DU NIL

About the EN Seasonal Flood Forecast and Early Warning



EN Seasonal (FFEW)

THE FLOOD MANAGEMENT TEAM

The Seasonal FFEW brings together young water resources professionals from Ethiopia, Sudan and South Sudan forming a regional flood management team(FMT) to jointly issue flood bulletins to their respective national water resources ministries and meteorological institutions for dissemination to local communities.

HOW DOES THE FORECASTING WORK?

The **EN Seasonal FFEW** activity has been producing flood bulletins for the last seven season with three day lead time communicating to flood prone areas. The project utilized already available data and information from the satellite and from ground with collaboration with national and international agencies dealing meteorological and emergency responses.

REAL RESULTS

- **Improved Risk Mapping** for local communities to ensure that flood alerts and warnings are received on the ground.
- **Daily Warning Alerts** to thousands of community members in EN countries through mass media (print and radio).
- **Greater Reach** to National emergency and disaster relief organizations such as Red Crescent and Red Cross, local governments, NGOs, etc.
- **Better Resource;** ENTRO has developed a flood embankment design and maintenance manual, and engineers have been trained on its use.
- **Improved technology;** ENTRO is in the process of fine-tuning a mobile and web application to increase access and to enhance communication between local communities and relevant government officials.
- **A Replicable System;** The model has been replicated in Awash River Basin in Ethiopia and Sudan, and is now also being replicated in other Nile sub-basins.

BACKGROUND

The **EN Seasonal Flood Forecast and Early Warning** is one of ENTRO activities that aims to reduce human suffering caused by frequent flooding. The project emphasizes enhancing regional collaboration and national capacity in flood risk management, including flood mitigation, forecasting, early warning systems, emergency preparedness, and response. The project which started in 2010 created a regional Flood Forecast and Early Warning System (FFEWS), strengthened national offices both in terms of capacity and equipment and overall reduced the risk of flood devastation for 2.2 million people in the region.

