

FANFAR has 6 partners from 6 countries with a budget of €2.1 million (€1.9 million EU contribution) for three years (January 2018-December 2020).



Kick-off meeting in Norrköping, Sweden, January 2018.



ReinFforced cooperAtion to provide operational Flood forecasting and Alerts in West AfRica



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SMHI



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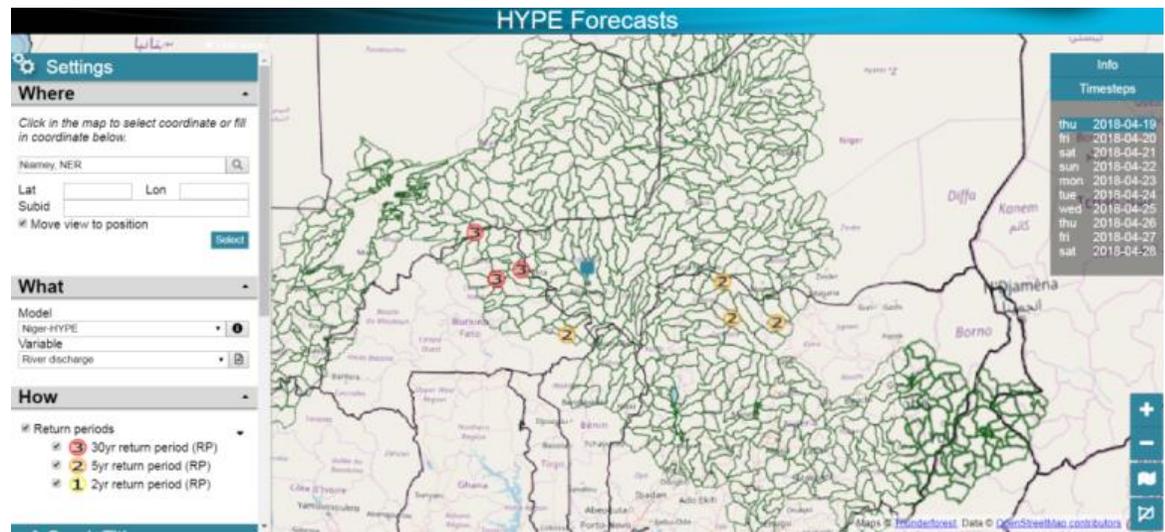
“West Africa is very vulnerable to floods which has significantly increased in recent years. With the FANFAR project, we hope to obtain an operational system in West Africa that can alert all actors to prepare responses to flood risk”

*Dr. Abdou Ali, lead hydrologist at AGRHYMET Regional Center, Niger.
Chief of the Information and Research Department*

<http://www.fanfar.eu/>

Partnership building in information and communication technology (ICT)

The aim of FANFAR is to reinforce the cooperation between West African and European hydrologists, ICT experts, decision analysts, and end-user communities to provide a co-designed, co-adapted, integrated, and co-operated streamflow forecasting and alert pilot system for West Africa.



Screenshot of the new service for visualisation of forecast.

Benefits for forecast production Hydrology Thematic Exploitation Platform

The Hydrology Thematic Exploitation Platform (H-TEP) provides cloud processing capabilities and links the hydrological model (HYPE) with earth observations (EO) and meteorological forecasts.

H-TEP is to reduce the time and money spent on computing infrastructure and management and instead focuses on:

- using large state-of-the-art data sets (EO and others) in hydrological applications.
- managed services providing expert support, both technical and thematic.
- community building by fostering a spirit of resource- and knowledge-sharing.
- rapid prototyping, benchmarking and deployment of processing algorithms.

Benefits for warning service Visualization of forecast

The new service for visualization of forecasts under development, is based on applications previously developed at SMHI and will:

- allow end-users to access tailored and timely information that fit into their workflow, aiming for broad accessibility.
- meet user needs by addressing the specific requirements decided and prioritized by the co-design committee.
- consider institutional aspects (e.g. appropriate roles for different organizations) and economical aspects (potential sources of funding).
- allow to visualize the forecast on mobile devices and receive concise messages.

Benefits for society and citizens Preparedness and actions

FANFAR also aims to move from post catastrophe crisis management to pre-event informed preparation and planned response. Improved flood forecasting and alert notifications will:

- aid emergency response organizations to allocate resources more effectively to avoid damages and loss of lives;
- assist farmers to optimize planting, and consequently increase food security;
- help health workers to better prepare for outbreaks of infections such as malaria;
- allow society to become more resilient to flood hazards;
- support societies to adapt to climate change and become more resilient to flood hazards.