

Forecast based early action triggered in Niger: Floods

EAP2020NE01

Target: 3000 households to be assisted

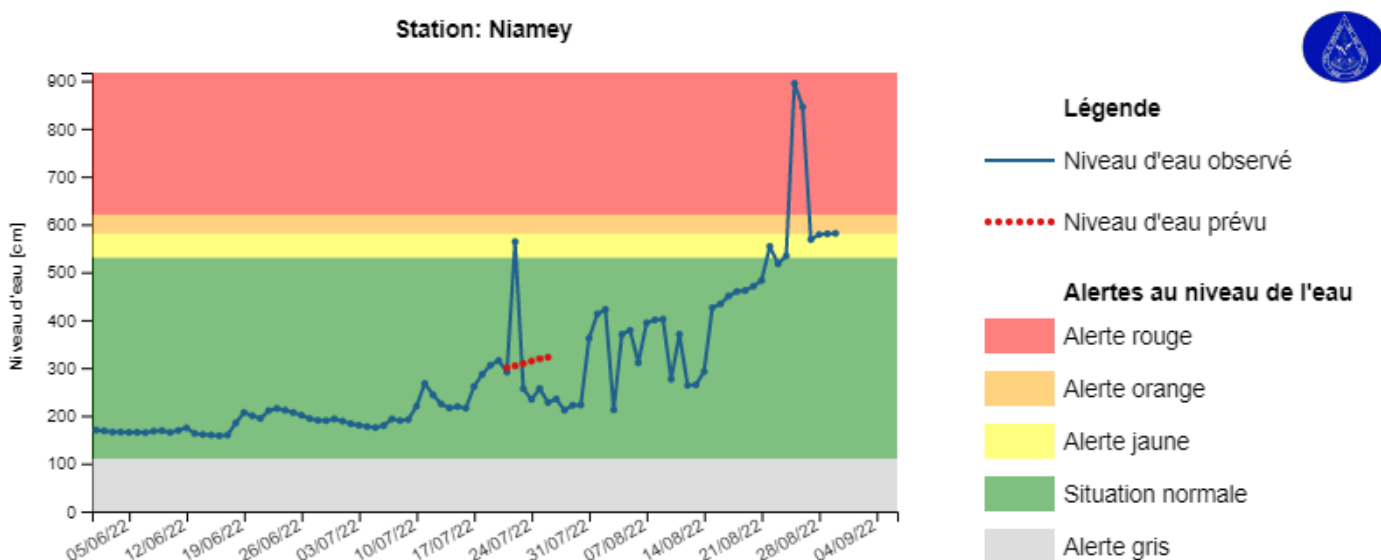
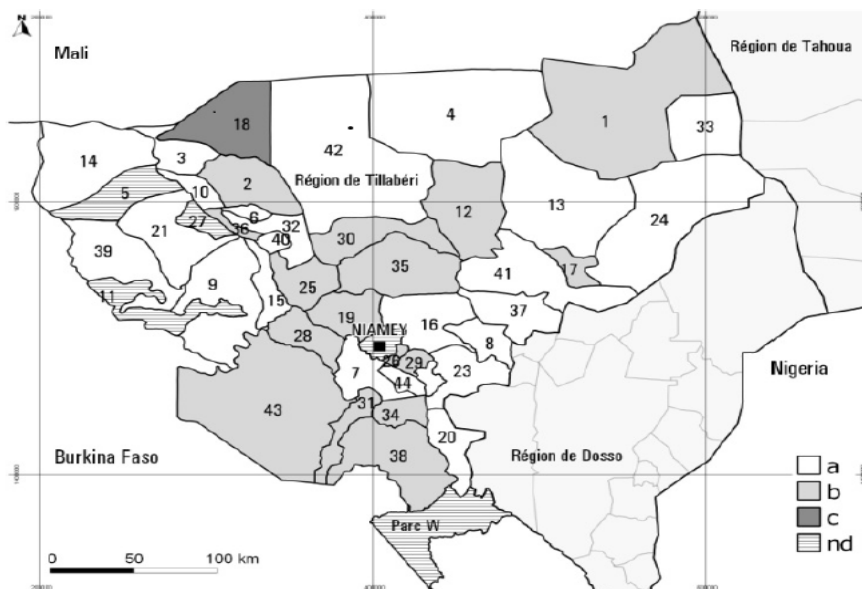
Budget: CHF 250,000

General overview

Niger is one of the most vulnerable countries to multiple risks and hazards such as droughts and floods. In total, 87,5% of the population are vulnerable to the hazards. This project will focus on floods linked to the Niger River basin area that covers the Regions of Niamey, Tillabéri and Dosso, and will address the following prioritized impacts: destruction of houses, destruction of dikes and increases in endemic diseases. This approach aims to mitigate or even prevent the impacts of river flooding.

On 31st of August 2022 based on information coming from the Niger Basin Authority (NBA), in collaboration with the Directorate General of Water Resources and the Directorate of National Meteorological services, indicates that floods will occur in the week of 5 September in Niamey. As a result, the Niger Red Cross Society is activating its Early Action Protocol (EAP) for Floods.

The triggering model of this EAP is based on the flood prediction model developed by the NBA through the SATH-ORIO project, and its activation is based on the Forecast information distributed at least 72 hours before the flooding. The model below gives a 6-day forecast and provides three types of alerts: yellow, orange and red. This model will trigger the EAP activation once the water level observed reaches the orange alert level (580-619 cm).



Niamey flood forecast based on SATH-ORIO model @NBA

Table 1: Water level of Niger river in Niamey on the 31st of August. The water level went up significantly between 25 and 26 August because there was above average rainfall. The water level went down quickly after.

The condition of the activation has been fulfilled, the Niger Red Cross Society is activating the EAP, and will implement the early actions activities outlined below. The entire intervention will be focused on water, sanitation and hygiene, and will be delivered within the lead time of 96 hours (4 days).

Sectors of intervention



Water, sanitation, and hygiene

Actions

- Awareness rising activities on waterborne diseases
- Distribution of water purification materials and mosquito nets

Disaster Risk Reduction

Actions

- Identifications and registrations of relocation sites
- Set up emergency shelters
- Evacuation to the host sites
- Monitoring mission and technical support and follow-up by the IFRC country office

Reference documents

For a more comprehensive description of activities see the Early Action Protocol summary.

[\[Insert link to EAP summary from appeals webpage\]](#)

For further information, specifically related to this operation please contact:

In the Red Cross Society of Niger

- **Executive Secretary:** Issa Laouali, email: issalaouali@croix-rouge.ne; phone: +227 87450500
- **Interim Program Manager: Ibrahim Sidi,** email: i.ouattara.sidi@gmail.com, phone: +227 96873102

In the IFRC

- **IFRC Regional Office:** Rui Alberto Oliveira, Head of DCPRR Unit a.i, Kenya; email: rui.oliveira@ifrc.org
- **IFRC Regional Office for DM coordinator:** Phoebe Wafubwa Shikuku, Disaster Risk Reduction & Forecast based Financing Advisor, phone: +254 20 2835 267 | +254 734 600 314, mail: Phoebe.shikuku@ifrc.org
- **IFRC Country Cluster Support Team:** Dorien Dolman, Program Manager Delegate Niamey Country Cluster Delegation, phone: +227 80063472

In IFRC Geneva

- **Programme and Operations focal point:** Nazira Lacayo, FbA the DREF Senior Officer, phone: +41 (0)22 730 4944, email: nazira.lacayo@ifrc.org