# Food and Agriculture Organization of the United Nations

## Improving flood and drought risk management in Somalia – SWALIM

**PROJECT CODE**
OSRO/SOM/204/USA

**RESOURCE PARTNER**
United States of America

**CONTRIBUTION**
USD 600 000

**IMPLEMENTATION**
01/01/2022–30/06/2023

**TARGET AREA**
Somalia

**BENEFICIARIES**
Affected communities, government institutions and humanitarian partners

**KEY PARTNERS**
Government institutions



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## Objective

To contribute to strengthened community resilience by providing early warning information to improve flood and drought risk reduction, preparedness and mitigation.

## Activities implemented

- Identified and mapped river breakages along the Juba and Shabelle rivers using high resolution satellite images, and disseminated the resulting data to partners to inform interventions before the start of the Gu rains in 2022 and 2023 and the Deyr rains in 2022.

- Mapped historical flood-prone areas along the Juba and Shabelle rivers through the spatial analysis of remote sensing data.

- Equipped the Ministry of Water at federal and state levels (the Federal Government of Somalia, and Somaliland, Puntland, Galmudug, Hirshabelle, South West and Jubaland states) with 300 mobile phones configured for data collection for weekly borehole monitoring.

- Trained 39 government staff at federal and state levels on the weekly monitoring of strategic boreholes, who then trained 290 borehole operators.

- Monitored 290 strategic boreholes weekly across the country.

- Collected and shared strategic borehole data, including current operational status, number of users and water prices, through an online portal for government actors and Water, Sanitation and Hygiene Cluster partners for planning and implementation of drought response interventions.

- Analysed early warning data and information, and prepared and disseminated products in collaboration with government institutions.

- Produced 54 bulletins, including three sets of river embankment breakage maps and datasets for the Juba and Shebelle rivers, three rainfall seasonal outlook bulletins, three rainfall performance and impact review bulletins, flood advisories, flood alerts and rainfall forecast bulletins.

- Disseminated 54 000 flood early warning SMS messages to vulnerable communities along the Juba and Shabelle rivers.

## Results

- Contributed to the ability of humanitarian partners to conduct water trucking activities in response to the prolonged drought and the safe evacuation of vulnerable communities affected by flooding in Beletweyne thanks to the collection, analysis and dissemination of early warning data.
- Enhanced the capacity of government staff, and enabled and contributed to the regular monitoring of strategic boreholes to inform drought response interventions for affected communities.
- Enhanced the ability of partners, including government institutions, the United Nations, international and national non-governmental organizations, and community-based organizations, to provide timely lifesaving support to vulnerable, at-risk communities thanks to the production and dissemination of early warning products.

## Contact

FAO Representation in Somalia

FAO-SO@fao.org | @FAOSomalia

Mogadishu, Somalia

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Office of Emergencies and Resilience

OER-Director@fao.org | fao.org/emergencies
@FAOemergencies

Rome, Italy

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