

# TEMBO Africa

Transformative Environmental Monitoring to Boost Observations in Africa

## Flood Early Warning Systems (FEWS)



### Overview

TEMBO Africa FEWS leverage advanced forecasting technologies and data analysis to offer warnings to residents in flood-prone regions, enabling them to take proactive measures to protect themselves and their property. Involvement of representatives of the local population in operating the system helps create a community feeling in relation to the service. Alerts are sent via SMS, an app, or simpler methods like alarms and flags. The main advantage of this solution lies in its cost-effectiveness, as it uses alternatives to traditional, high-cost components like radar and stream gauges, making it suitable for mid-sized cities.

### Where is it available?

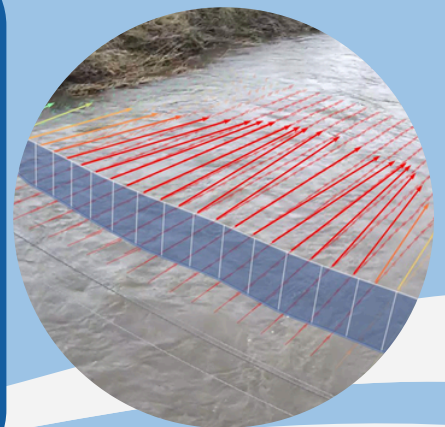
The service is being piloted in Kenya and Ghana, and will later be available in any country of Sub-Saharan Africa.

### To whom it refers?

TEMBO Africa FEWS are designed for urban areas in Africa with a population of less than 700,000 people.

### Smart Solutions for safer communities

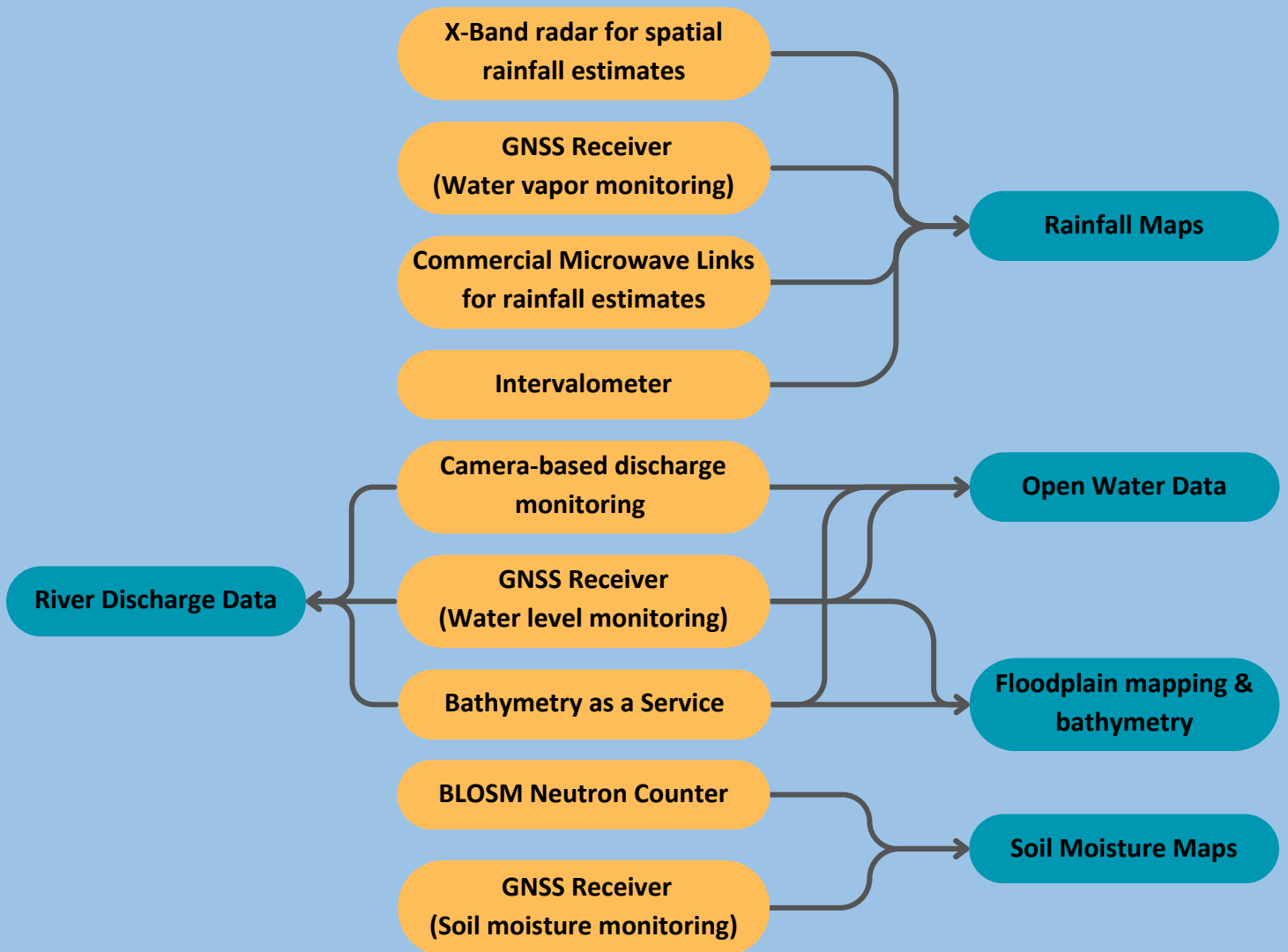
- 🚨 Risk reduction for the population through localised and **real-time warnings**.
- 🛠️ Provision of a **cost-effective** and innovative solution that is embedded in the local structure.
- 📁 Use of available resources (financial & human), setting up a service that ensure **sustainability**.
- ⚙️ Easy sensor maintenance, repair, and operation by local staff, reducing costs and **eliminating the need for external experts**.
- ✅ Improved ability to assess, monitor and manage financial and planning risks via **flood risk assessment**.
- 🏠 Mitigation of **asset damages**.



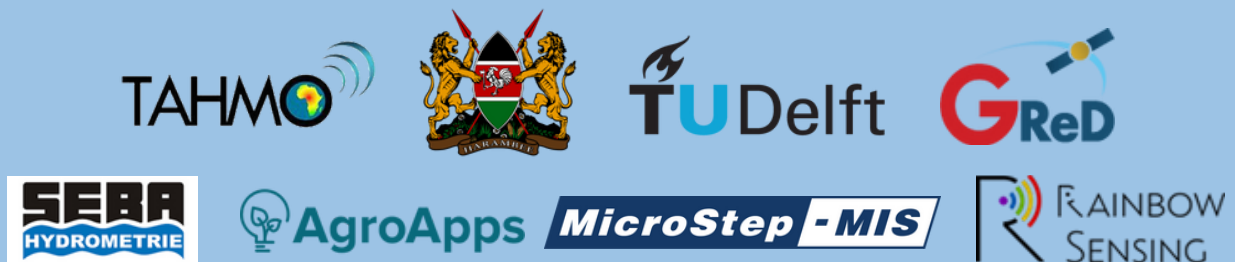
This project has received funding from the European Union under the Horizon Europe Research & Innovation Programme 2021-2027 (grant agreement no. 101086209). The Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union. Neither can the European Union nor the granting authority be held responsible for them.

# Flexible, customizable, and adaptable!

TEMBO FEWS are characterised by a “Lego®-ised” approach, leveraging a range of **sensors** and **products**, enabling their customisation and application under different conditions and needs.



## Partners involved



**Contact us and learn more!**

