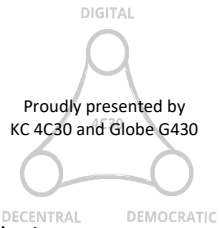


Urban Laboratory Portoviejo: Early warning system for flood disaster



Potential Climate/ Disaster Impacts addressed and Justification for this Approach

The Portoviejo River crosses the city of Portoviejo, and its inhabitants are exposed to flooding every winter. An early warning system is required to manage seasonal flooding, which causes significant damage to homes and businesses in the city. By implementing this system, the city seeks resilience to current risks and the impacts of climate change. In addition, it seeks to strengthen flood risk management governance.

Process of Implementation

Through a participatory process, a flood early warning system was designed. This includes its governance, management, and sustainability model. In addition, together with the municipality and its innovation center, a real-time flood detection system was developed. In the future, this information will be connected to the municipal risk management application “Portoviejo Previene”.

Project Title

CIS II

Project Number

2020.2169.9

Results and Impacts

An early-warning system for flood disaster has been designed and is being implemented. It includes the design of a flood detector probe.



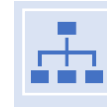
TYPE OF APPROACH

Implementation of technical solution



COUNTRY

Ecuador



LEVEL OF INTERVENTION

city, neighbourhood



TYPE OF RISK MANAGEMENT

prevention, transformation



MAIN HAZARDS ADDRESSED

Flood, Landslide, Drought



URBAN FUNCTION PROTECTED

Public security/ civil protection, Economic opportunities/ jobs / work environment, Domestic supply (food, household goods, etc.)



SPHERE OF INTERVENTION

socio-political sphere/ governance, environment



RESOURCES REQUIRED

1 national staff 12 month, consulting contract 42.000 Euro



COOPERATION PARTNERS

Portoviejo city council