

Urban Flood Management

STAKEHOLDERS











Water Supply & Sanitation Services



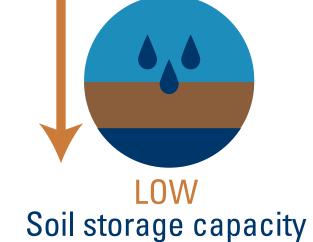


HUMAN ACTIONS CAN EXACERBATE FLOODING

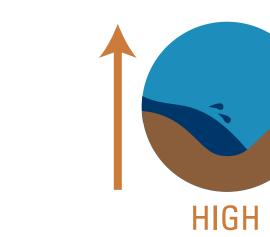




URBAN AREA CHARACTERISTICS



HIGH Population density







land use



Floodplain of soils occupation



vulnerability of maintenance of informal drainage infrastructure settlements



Improper disposal of solid waste

CHALLENGES



Climate change impacts



vulnerabilities



Demographic growth



Poor Governance



Low adaptive capacity

STRUCTURAL MEASURES



Reduce runoff



Improve runoff retention



systems



Enhance river capacity

Create diversion channels

ACTIONS NON-STRUCTURAL MEASURES



mapping & zoning







Disseminate flood risk information



building &

Flood forecasting

& early warning

systems

Develop & test emergency management plans



planning



Insurance



emergency teams

OBJECTIVES



Improve population safety and quality of life



Reduce losses and vulnerability



Reduce uncertainty in economic sectors



Conserve the environment

How can we help?

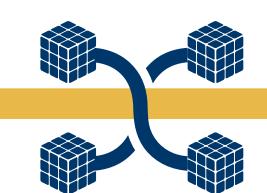
We support National Meteorological and Hydrological Services through the **Associated Programme on Flood Management** which provides guidance materials and help on **End-to-End Early Warning System for** Hydrometeorological Hazards



Global Hydrometry Service Facility (GHSF)

COLLECTION

Meteorological, Climatological and Hydrological (MCH) Database Management System



MODELLING & FORECASTING



Flash Flood Guidance System (FFGS)

Coastal Inundation Forecasting Demonstration Project (CIFDP)

Severe Weather Forecasting Demonstration Project (SWFDP)



DECISION

RESPONSE TO SUPPORT WARNING

DEWETRA Platform

What is Integrated Flood Management?



IFM integrates land use and water resources in a river basin, in accordance with Integrated Water Resources Management, with the objective of maximizing net benefits derived from the use of floodplains and minimizing loss of life due to flooding. IFM keeps in consideration environmental preservation,

balancing development needs with **flood risk** towards **sustainable development**.

What are our core activities?

Vocational training

Short training and workshops for

different target groups

Material & expertise on

integrated flood management,

urban flood management and

community-based approaches

Capacity Building

& Training





4 Policy Papers for policy makers and flood managers **25 Tools** for practitioners + Case Studies &

Training Manuals



Regional **Pilot Projects**

undertaken in: South Asia (community-based approaches) Africa

(flood management strategies) Central and Eastern Europe (flash floods)



IFM Helpdesk

Request assistance for the preparation of project proposals, advice and supervision on implementation

Technical expertise from 30 Support Base Partners



Visit floodmanagement.info for more information on the Associated Programme on Flood Management

