



Federal Ministry
for Economic Cooperation
and Development

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giz

Allianz

 **BIMA**



Developing Risk Management Approaches for Climate and Health Risks **Urban Resilience in Accra**

ADB's 2nd e-MarketPlace for a Water-Secure and Resilient Asia and the Pacific

October 25th 2021

Climate Risk Management – the concept



Prevent



This phase comprises all the measures that help prevent or minimize possible damage from an event.

Recover



After a natural extreme event hits, infrastructure and other parts of society must be rebuilt, so that people can resume their livelihoods as quickly as possible.

Respond



This phase comprises all emergency measures aimed at saving human lives in the event of a natural disaster.

Retain & Transfer

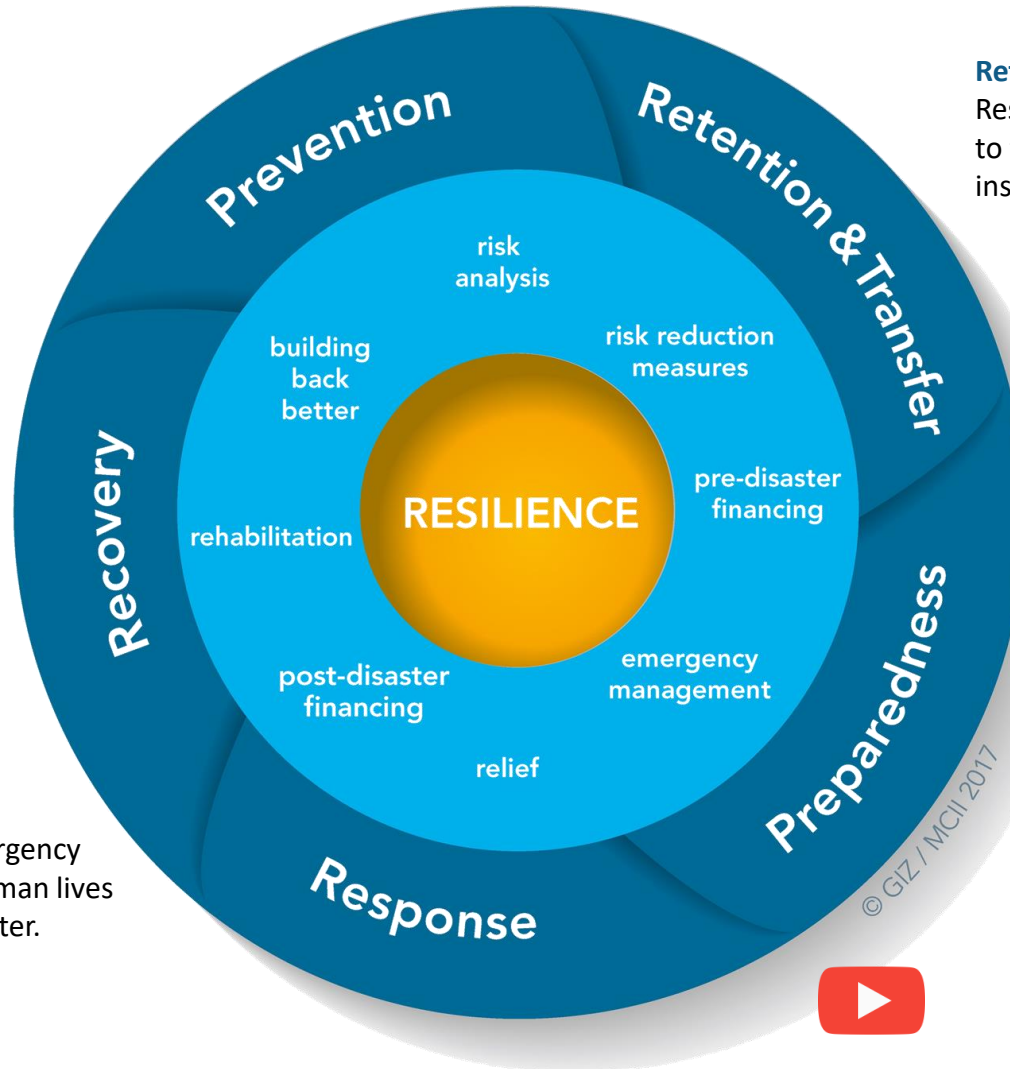


Residual risk can be transferred to third parties using financial instruments such as insurance.

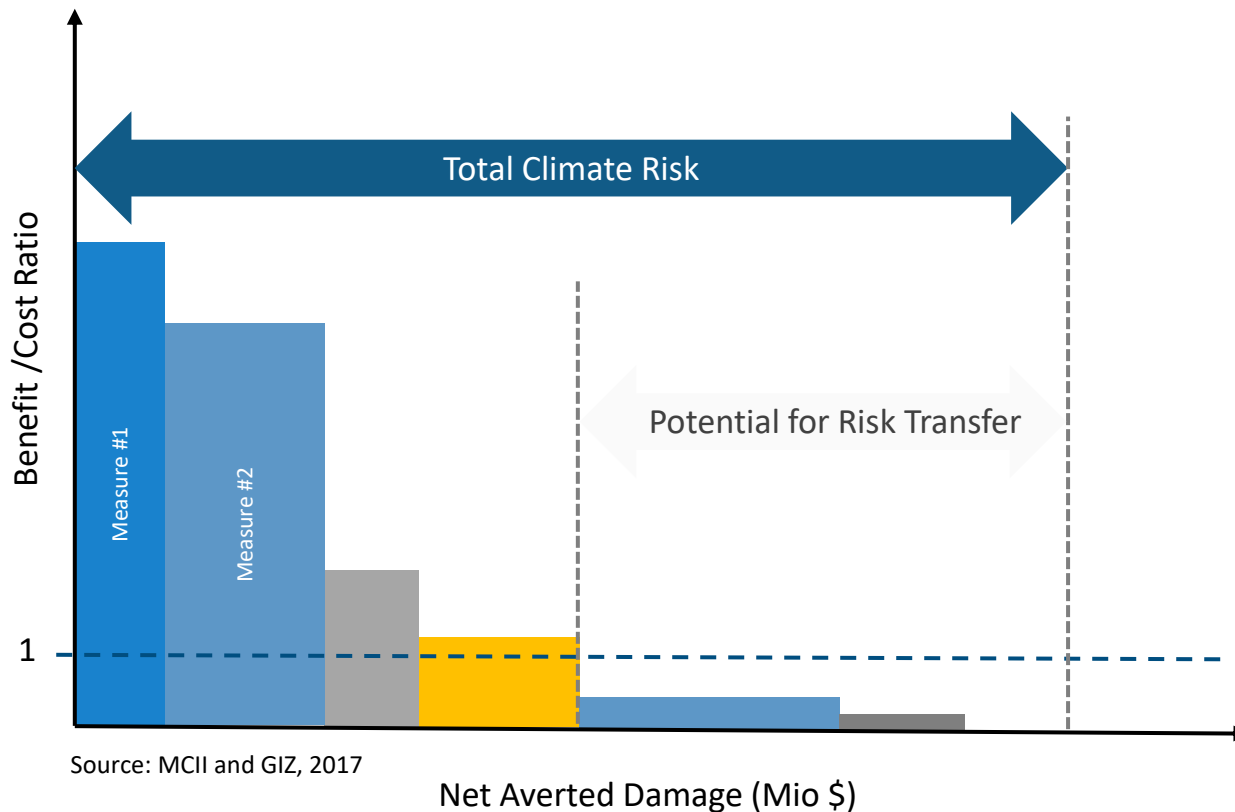
Prepare



Preparedness contains a complex set of activities such as setting up early warning systems, developing contingency plans, organising various activities such as stockpiling of equipment, and coordination and training as cross-cutting issues.



Climate Risk Management – the idea



Benefits

- Sets the objective grounds for decision making which measure should be realized
- The residual risk should be transferred
- Incentivizes climate change adaptation, mitigation and disaster risk reduction.
- This can be extended towards social and ecological impacts (Lowers “1”)

The Roadmap for ICRM - Urban Resilience in Ghana

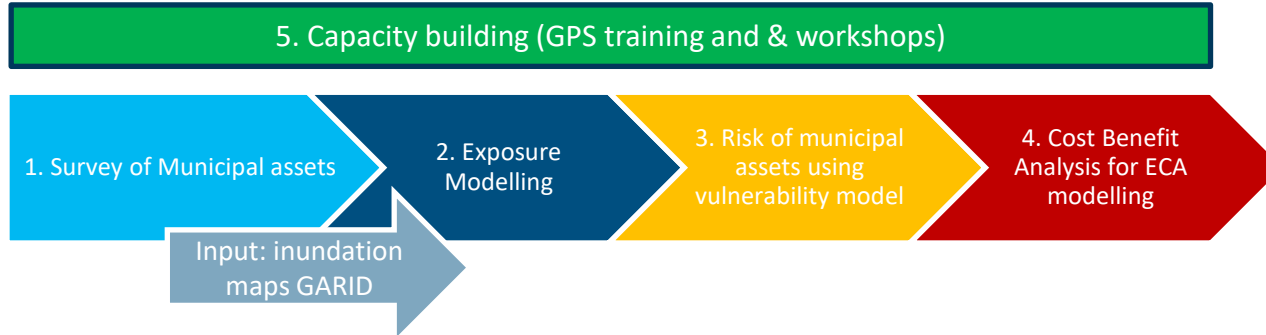


“We were saved by all that risk data, once we realized we’d forgotten to order sandbags.”

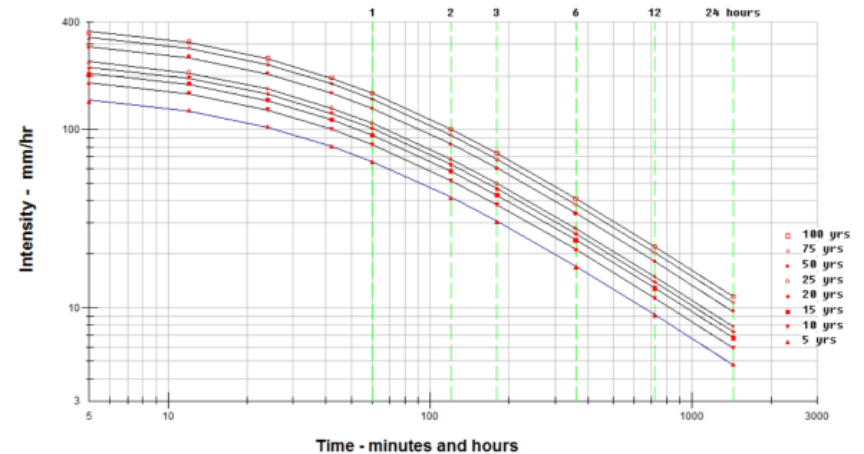
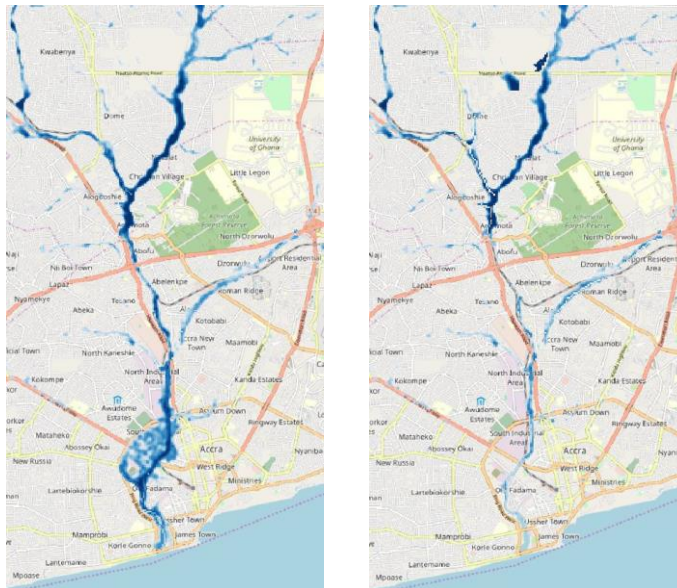
Risk Assessment – the Flood Model



Approach



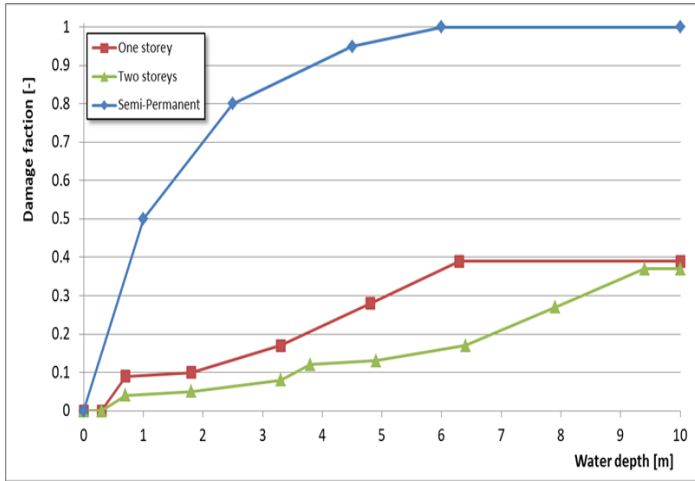
Dynamic Maps



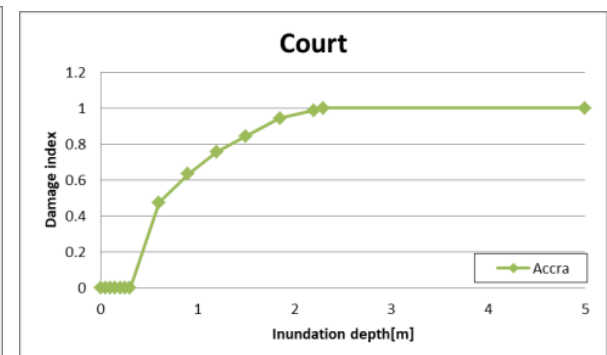
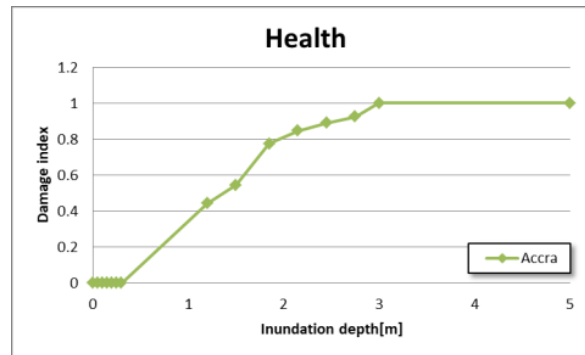
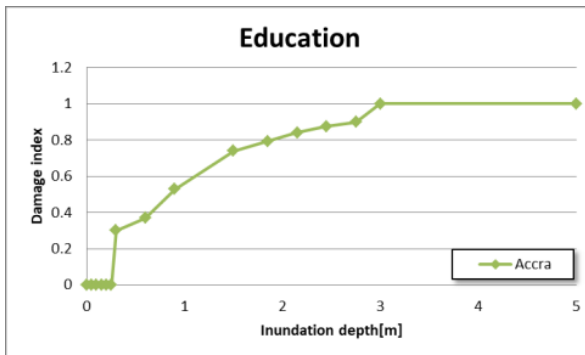
Risk Assessment – Vulnerability of Public Assets



Based on Quantitative and Qualitative Data



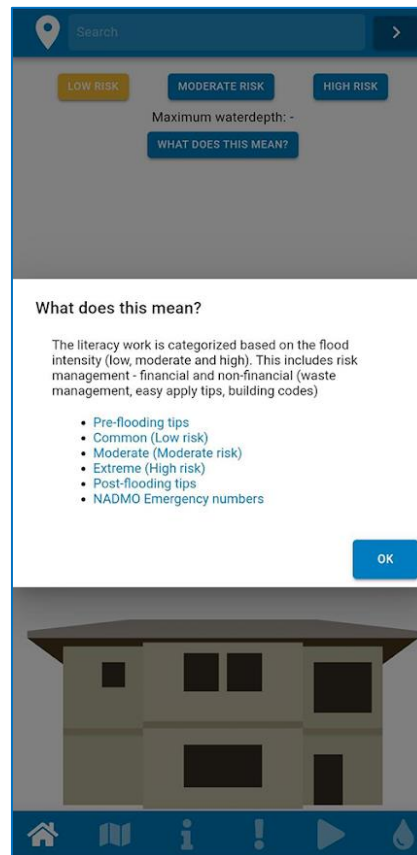
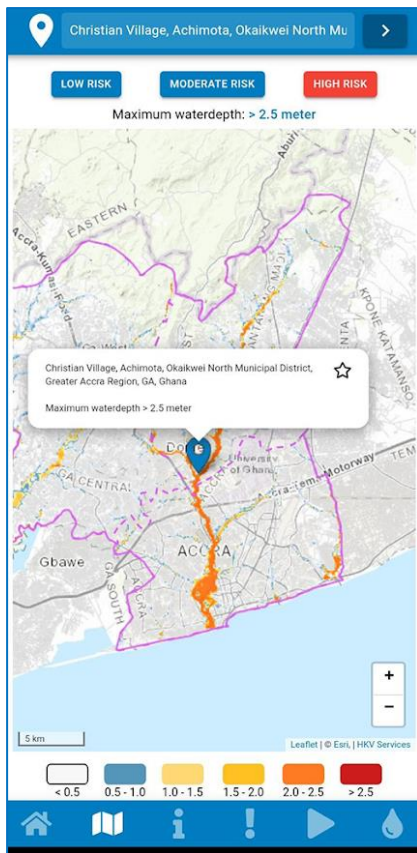
Vulnerability for social – economic sectors





Flood App

How to warn Local Authorities and Inhabitants, initiate action and provide DRM - literacy to reduce risk and the financial impact on stakeholders?



My Flood Risk Accra informs citizens about their exposure to flood risks.