

Hydro Nation Scholars Programme



Robert Sakic Trogrlic¹

Dr Grant Wright¹, Prof Adebayo Adeloye¹, Dr Melanie Duncan² & Dr Faidess Mwale³

> ¹Heriot-Watt University, UK ²British Geological Survey (NERC), UK ³Polytechnic Blantyre, Malawi







British Geological Survey



University of Malawi The Polytechnic





Presentation outline

- Flooding and Malawi
- Community-based approaches in DRR
- Research aims
- Research methodology
- Results
- Conclusions



Flooding and Malawi

★ Country prone to multiple hazards

★ Floods and droughts cause 1.7 % GDP losses annually (Pauw et al. 2011)

Agro-based economy and majority of population in rural areas

* Livelihoods dependant on subsidence farming

★ Floods occur annually

★ January and February 2015: one of the largest floods on the record

★ Decentralised institutional system for DRR

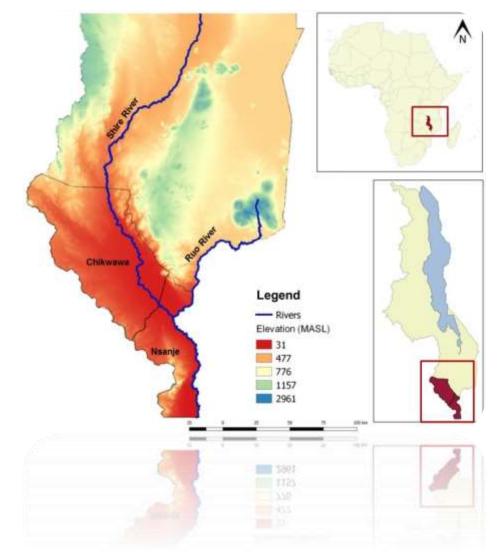
✤ NGOs lead FRM in the Districts, implementing community-based disaster risk reduction approaches





Flooding in the Lower Shire Valley

- Chikwawa and Nsanje Districts
- Most flood prone area of the country
- River flooding and flash flooding
- Contributing factors to flood hazard: location, siltation of river beds, topography, rainfall characteristics, hydrology, soil structure, land use and land cover change
- Flood vulnerability shaped by socio-economic and environmental susceptibility





Community-based flood risk management (CB-FRM)

 A part of the wider family of community-based disaster risk reduction (CB-DRR) approaches



 Challenges for CB-DRR: limited and/or inadequate community involvement, not incorporated in policy levels, underlying causes of vulnerability not tackled



Examples of CB-FRM in Malawi

MITIGATION PREPAREDNESS



RESEARCH AIM

To explore realities and challenges of community-based flood risk management approaches in Malawi



Methodology

- A qualitative research framework & case-study research design
- Primary data collection methods: 11 Focus Group Discussions (FGDs) + Informal conversations + survey
- Secondary data through a desk study (DRR system in Malawi)
- Three stakeholder groups: rural communities, local government and NGOs











Roles of different stakeholders: Communities

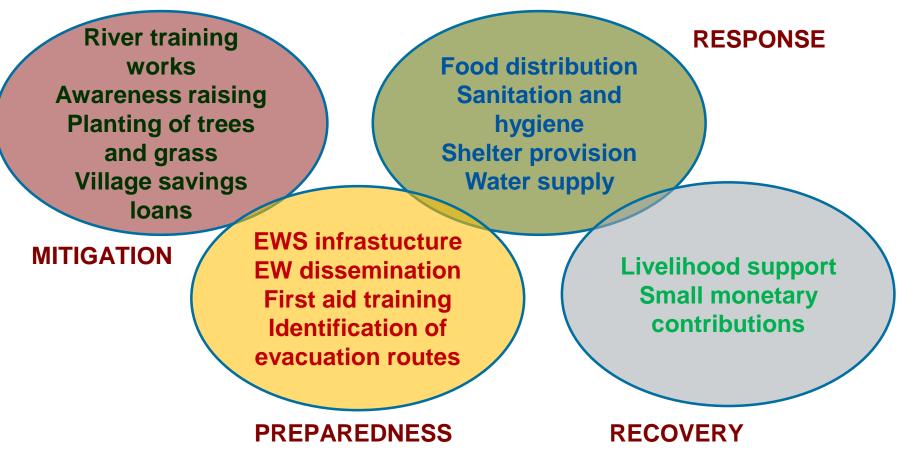
 At community level, CB-FRM implemented through Village Civil Protection Committee (VCPC)





Roles of different stakeholders: NGOs

- NGOs are main implementers of CB-FRM in Malawi
- Closely work with government and communities





Roles of different stakeholders: Local Government

- District Civil Protection Committee (DCPC)
- Main body in charge of coordinating and overseeing DRR in districts

5	Contingency	Plans	Disaster Risk Management Plans			Mobilisation of resources		
	Information sharing through decentralised structures			Advise DEC on DRM issues			Monitoring	
	Line Ministries with different responsibilities		instit structure	Training of institutional structures (ACPCs and VCPCs)			Impacts assessments	
	situatio		ew of a on in the trict		Direct NGOs to project sites			



Challenges for CB-FRM

CHALLENGES FOR COMMUNITY-BASED FLOOD RISK MANAGEMENT

- Aid dependency sydrome
- Lack of project ownership
- Communual activities fail
- Power relations in communities
- Problems in project allocation
- Too much focus on response and recovery
- Projects match donors requests, not local contexts
- Duplication of efforts

NGOs

- Issues with projects sustainability
- Lack of exist strategies for NGOs

- Lack of finacial resources
- Lack of funding for monitoring
- Absence of multi-sectoral approach
- Lack of project ownership
- Inadequate project sustainability
- Aid dependecy syndrome
- Power relations in communities
- Issues in the operation of decentralised structures
- Duplication of efforts
- Inadequate coordination between core actors
- Lack of NGOs accountability and transparency
- Inadequate quality of projects
 - LOCAL GOVERNMENT

- Lack of financial, material and human resources
- Lack of/inadequate capacity building
- Power relations in communites
- Lack of inclusion of local knowledge
- Operation & Monitoring
- Inadequate quality of projects
- Lack of transparency and accountability
- Overlapping of responsibilities
- Communication between NGOs
- Upstream practices hinder downstream efforts

COMMUNITIES





Conclusions

- Predominance of CB-FRM, led by NGOs
- Flooding in Malawi has severe impacts and a range of consequences that are overlooked
- CB-FRM in Malawi is a multi-stakeholder effort
- Mitigation & preparedness encouraged, but relief & recovery still dominant
- Challenges in terms of participation, governance, project management and cultural dimensions
- Challenges of different stakeholder groups are unique to their specific context and experiences
- Identified challenges point out areas for improvement





Hydro Nation Scholars Programme

Thank you for your kind attention!









University of Malawi The Polytechnic