

Reducing Social Vulnerability to Flood Risks

"Stakeholder involvement in flood Management for the best use of early warning"

Hisaya Sawano

WMO/GWP Associated Programme on Flood Management (APFM)







Early warning is a trigger to induce actions in Integrated Flood Management (IFM)

(Challenge)

- How warning message can be reached to the people
- How warning message will be understood
- How people can act upon warning message
- → Necessity of considering the Social Aspects and Stakeholder Involvement in the process



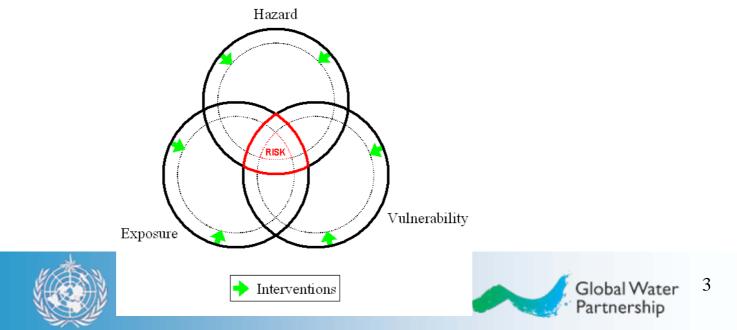




Reduce Flood Risks through the Information Management

• Understanding Flood Risks

Flood risks are a function of the magnitude of the hazard expressed in terms of frequency and severity; exposure of the human activities to the hazard; and vulnerability of the elements at risk





Risk Perception

- Perception of risks due to floods among communities and within community differ considerably
- → Requirement of the knowledge of local hazard conditions and existing flood management practices
- Large scale structure may generate a false sense of security
- → Recognize the level of protection and their limitation and be aware of the residual risks







Vulnerability of Society

- Physical/Material
- Constitutional/Organizational and
- Motivational/Attitudinal

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(Key issues: Poverty, Livelihoods, Cultural beliefs, Human Rights, Gender)

These factors can be the hindrance in reducing flood risks

→Challenge: whether community can precisely perceive and react to the message of early warning







Flood Risk Reduction

- Reducing vulnerability and enhancing resilience
- -Proper analysis of vulnerability
- -Identification of underlying factors contributing to increased vulnerability
- -Improve the capacity or the ability of the individual or community
- -Flood Management Plan

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-Flood Emergency Management Plan





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Flood Emergency Management Plan

- **Preparedness:** measures to ensure effective response
- **Response:** measures to reduce adverse impacts during the flooding, and
- **Recovery:** measures to assist affected community rebuild itself

Continuous, timely and precise information flow is vital for handling emergency situation and mobilization of resources







Flood Emergency Preparedness

- Raising public awareness of existing risk (Education and regular training)
- Development of preparedness plan (Public participation in the process) (A common platform should be established)
- Coordination among stakeholders (Governments at all levels share responsibilities)

Requirement for Legal and Institutional arrangement





Flood Emergency Response

Early warning

- Precise knowledge to understand its meaning to avoid panic
- Enough lead time to induce appropriate reaction
- Secure to inform the message to all people

- Warning must be provided and conveyed in an unambiguous, easily understandable manner and in local language through a legally designated single authority

- In the dissemination, there should be a tool which is available to the poor people







Response to Early Warning

- Establishment of the disaster management system
- Coordination between the responsible agencies with welldefined duties and obligations
- Support for Judgment of threshold condition
- Evacuation
- Evacuation planning with involving the communities
- Special care for the weak groups (e.g. secure safe place for women and young girls from sexual harassment and abuse)
- Rapid assessment of latest situation
- Assess the immediate needs (e.g. aid materials)





Requirement of Multi Stakeholder Involvement

- Harmonize the varied objectives of each stakeholders
- Enhance the understanding between stakeholders
- Identifies public concerns and values
- Ensures the effectiveness of measures
- Enhance resilience in communities through cooperation and coordination
- Ensures the sustainability of measures as stakeholders feel the ownership of the approach







Enhancing the sustainability of participatory planning

(Challenge)

- Political will
- Financial commitment and budget allocation
- Attitude toward flood management
- Risk perception







(Strategy for ensuring sustainability)

Capacity building of stakeholders

- To facilitate the cooperation with other agencies
- To participate as a stakeholder in the process
- To undertake the planning

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- To undertake the implementation





For more details will be available in the paper on "Social Aspects and Stakeholder Involvement in Integrated Flood Management" at

http://www.apfm.info

Thank you !



