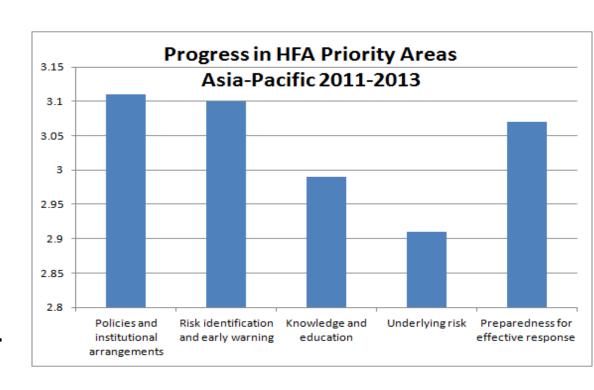


The Hyogo Framework for Action (HFA) learning

- Progress made in disaster management but much less in reducing risk
- The space for addressing the underlying causes of risk in development under the HFA has not been filled
- Local progress drags behind
- Risks have increased faster than they have been reduced and the magnitude of risk is large





How Sendai Framework addresses the learnings?

From managing disaster to managing risk

- Outcome: Substantial reduction of disaster risk and losses in lives, livelihoods and health and in the economic, physical, social, cultural and environmental assets of persons, businesses, communities and countries ...
- **Goal**: Prevent creation of new risk, Reduce exisitng risk and Strengthen resilience

Scope:

- Adds slow-onset, small-scale, biological and man-made hazards
- Increases the scope of action in recovery, and reconstruction to Build Back Better

Reduce

Mortality/

global population

2020-2030 Average << 2005-2015 Average

Affected people/

global population 2020-2030 Average << 2005-2015 Average

Economic loss/

global GDP

2030 Ratio << 2015 Ratio

Damage to critical infrastructure & disruption of basic services

2030 Values << 2015 Values

Increase

Countries with national & local DRR strategies

2020 Value >> 2015 Value

International cooperation

to developing countries 2030 Value >> 2015 Value

Availability and access
to multi-hazard early warning
systems & disaster risk
information and assessments
2030 Values >> 2015 Values



Responsibility for DRR

- States have primary responsibility
- Shared responsibility with stakeholders

Approach

- Regard for human rights
- DRR & development relationship
- Multi-hazard & inclusive
- Local expression of risks
- Post disaster action & resolve underlying risks
- · Build back better

Engagement

- All of society
- All state institutions
- Local government empowerment

Partnerships

- International cooperation & global partnerships
- Support to developing countries

FOR ACTION PRIORITIES 4

Priority 1 Understanding disaster risk

Policies and practices for DRR should be based on an understanding of disaster risk in all its dimensions of vulnerability, capacity, exposure of persons and assets, hazard characteristics and the environment.

Priority 2 Strengthening disaster risk governance to manage disaster risk

Disaster risk governance at the national, regional and global levels is of great importance for an effective and efficient management of disaster risk.

Priority 3 Investing in disaster risk reduction for resilience

Public and private investment in DRR are essential to enhance the economic, social, health & cultural resilience of persons, communities, countries, their assets, as well as environment

Priority 4

Enhancing disaster preparedness for effective response, and to "Build Back Better" in recovery, rehabilitation and reconstruction Strengthened disaster preparedness for response, recovery, rehabilitation and reconstruction are critical to build back better

National and local dimensions

and global dimensions

Regional

Learning Objective

Understanding of the basic concepts and definitions in disaster risk management



2009 UNISDR Terminology

Disaster Risk Reduction



What is a hazard? What is a disaster? How are they different? Difference Between Vulnerability & Exposure?



Hazard

A dangerous *phenomenon, substance, human activity or condition* that may cause loss of life, injury or other health impacts, property damage, loss of livelihoods and services, social and economic disruption, or environmental damage.

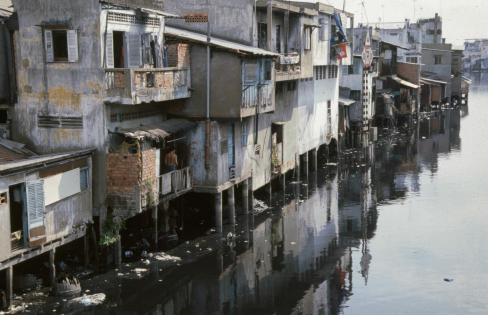
For example, in Myanmar, earthquake, cyclone, flood, tsunami and landslides are major hazards.



Exposure

People, property, systems, or other elements present in hazard zones that are thereby subject to potential losses.





Vulnerability

The characteristics and circumstances of a community, system or asset that make it susceptible to the damaging effects of a hazard.

- physical
- social
- economic
- environmental factors





Capacity

The combination of all the strengths, attributes and resources available within a community, society or organization that can be used to achieve agreed goals.





Disaster

A serious disruption of the functioning of a community or a society involving widespread human, material, economic or environmental losses and impacts, which exceeds the ability of the affected community or society to cope using its own resources.





Disaster Risk

The potential disaster losses, in lives, health status, livelihoods, assets and services, which could occur to a particular community or a society over some specified future time period.

The combination of the probability of an event and its negative consequences.





Prevention

The outright avoidance of adverse impacts of hazards and related disasters.

Prevention expresses the concept and intention to completely avoid potential adverse impacts through action taken in advance.



Mitigation

The lessening or limitation of the adverse impacts of hazards and related disasters.



Preparedness

The knowledge and capacities developed by governments, professional response and recovery organizations, communities and individuals to *effectively anticipate*, respond to, and recover from, the impacts of likely, imminent or current hazard events or conditions.



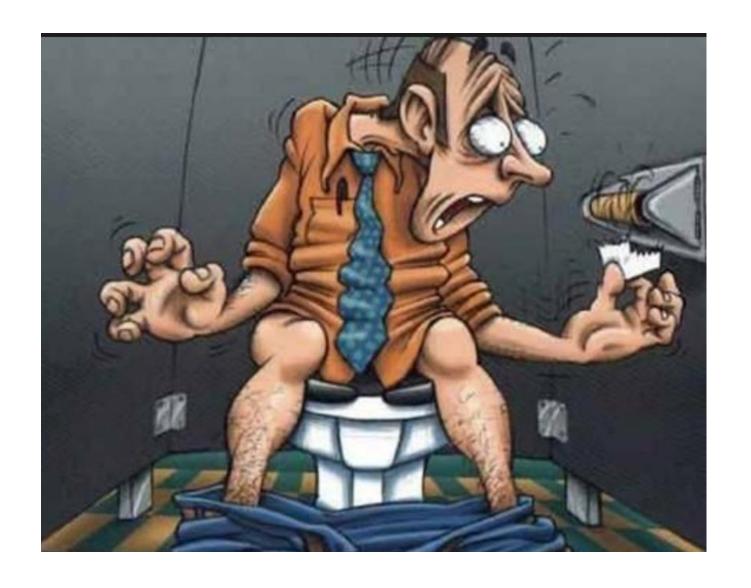


Preparedness is based on

- a sound analysis of disaster risks
- good linkages with early warning systems,

Includes such activities as

- contingency planning
- the stockpiling of equipment and supplies, coordination, evacuation and public information, and
- associated training and field exercises.



Lack of preparedness is often embarrassing

Response

The provision of emergency services and public assistance during or immediately after a disaster in order to save lives, reduce health impacts, ensure public safety and meet the basic subsistence needs of the people affected.



Recovery

The restoration, and improvement where appropriate, of facilities, livelihoods and living conditions of disasteraffected communities, including efforts to reduce disaster risk factors.

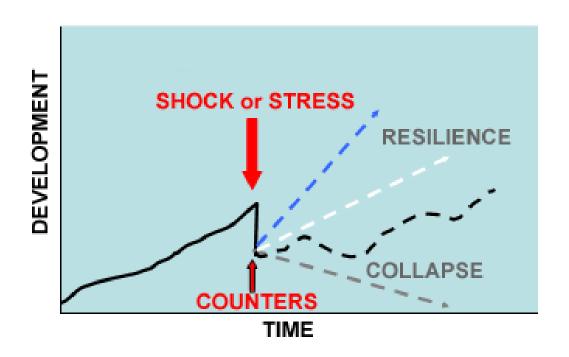


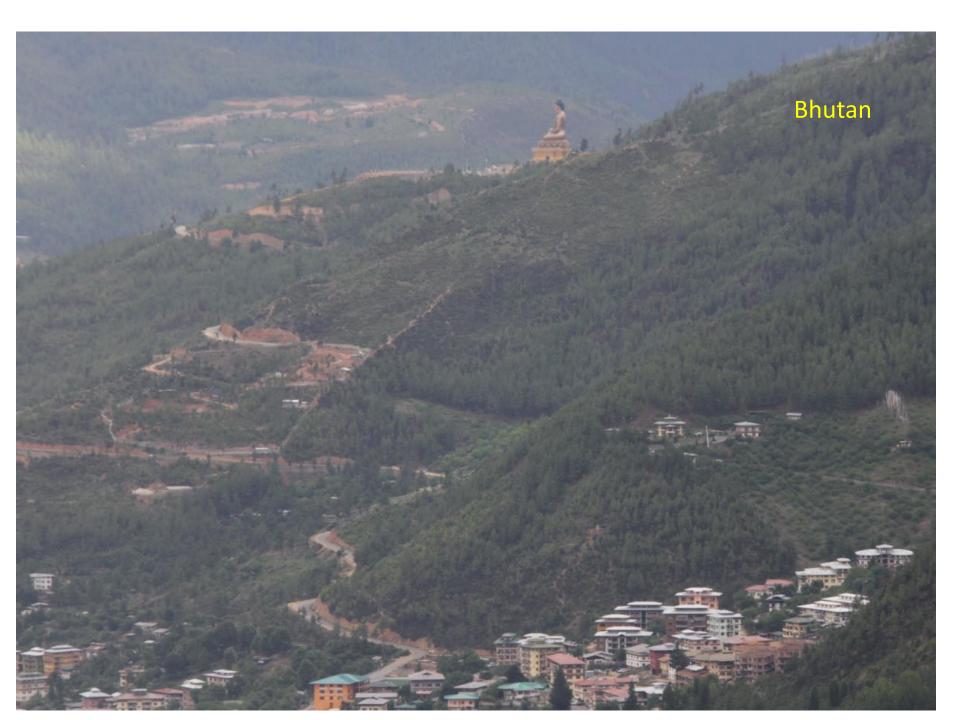
Build back better

The use of the recovery, rehabilitation and reconstruction phases after a disaster to increase the resilience of nations and communities

Resilience

The ability of a system, community or society exposed to hazards to resist, absorb, accommodate to and recover from the effects of a hazard in a timely and efficient manner, including through the preservation and restoration of its essential basic structures and functions.





Disaster Risk Reduction

Disaster risk reduction is aimed at preventing new and reducing existing disaster risk and managing residual risk, all of which contribute to strengthening resilience and therefore to the achievement of sustainable development.

Disaster Risk Management

Disaster risk management is the application of disaster risk reduction policies and strategies to prevent new disaster risk, reduce existing disaster risk and manage residual risk, contributing to the strengthening of resilience and reduction of disaster losses.

DRM can be thought of as the implementation of DRR



Community Based Disaster Risk Reduction (CBDRR)

A process in which at-risk communities are actively engaged in the identification, analysis, treatment, monitoring and evaluation of disaster risks in order to reduce their vulnerabilities and enhance their capacities.

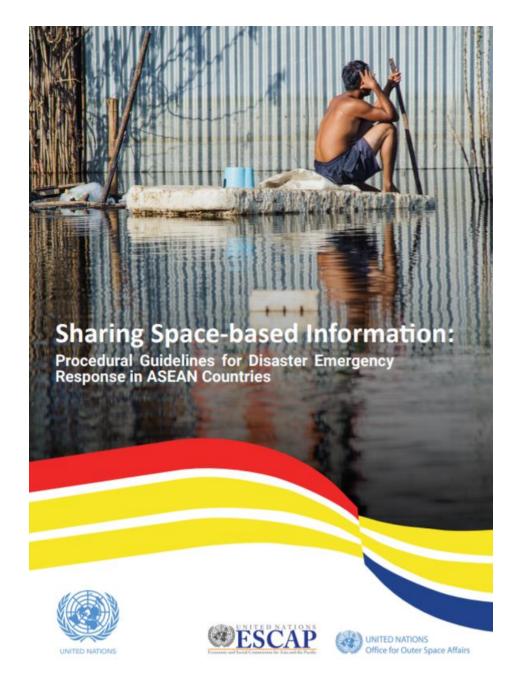




Emergency Management

The organization and management of resources and responsibilities for addressing all aspects of emergencies, in particular preparedness, response and initial recovery steps.

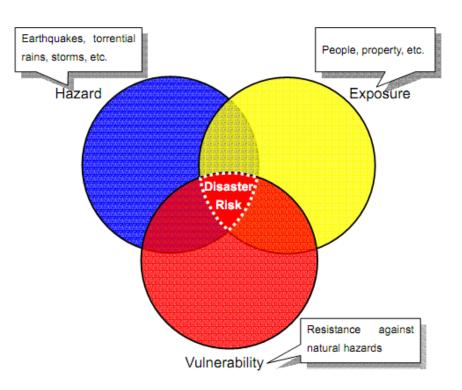


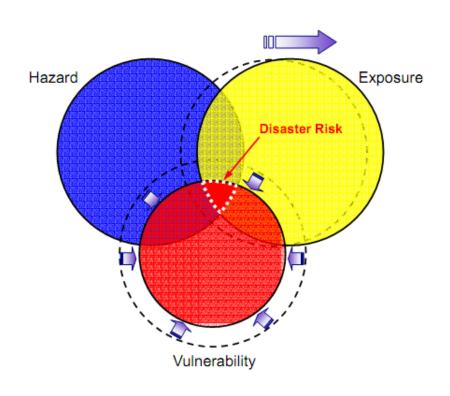


Concept of Disaster Risk

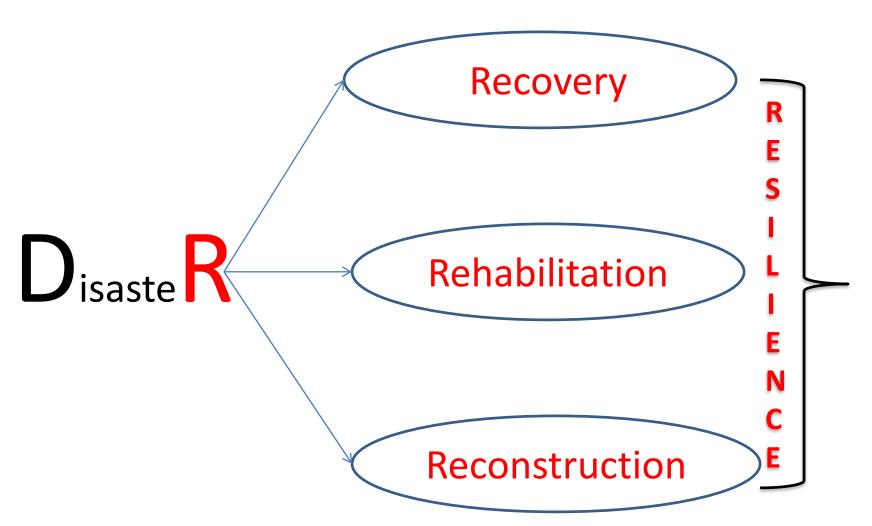
Development of Disaster Risk

Reducing Disaster Risk

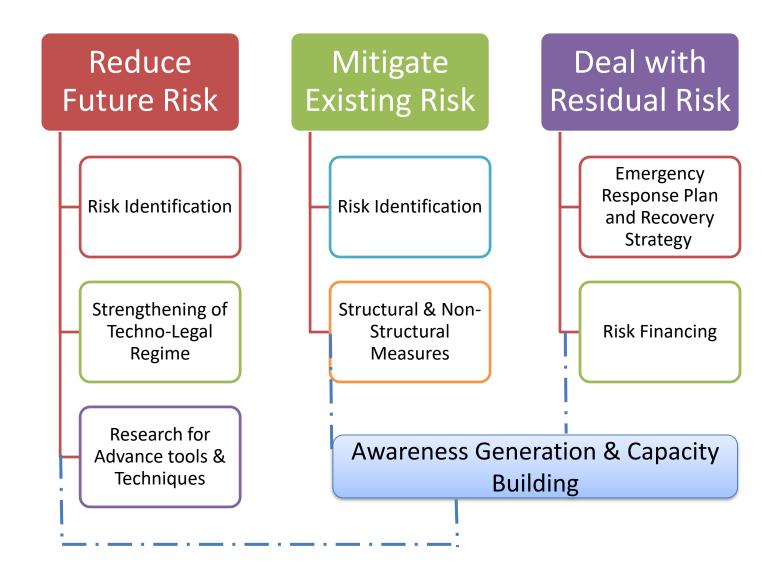




Concept of 4 R



Disaster Risk Management Strategy



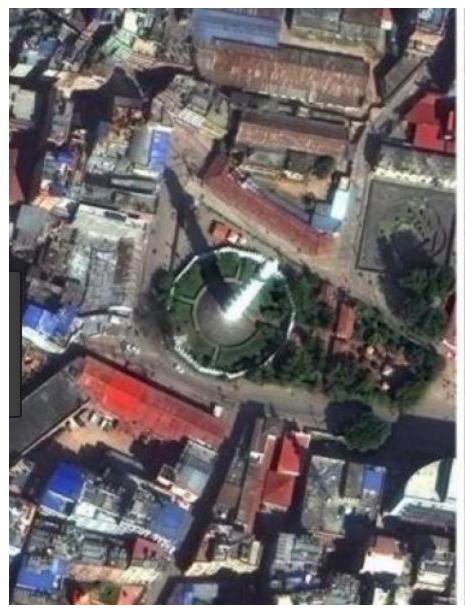


Excerpt of flood information map of the Town of Badger, Newfoundland and Labrador, Canada (c) Newfoundland and Labrador Department of Municipal Affairs and Environment-Water Resources Management Division

1:20 (orange) and 1:100 (yellow) flood hazard (defined by frequency and magnitude/location)

Infrastructure (railway, streets etc.) and houses **exposed**

Not shown in map: different levels of e.g. physical vulnerability of houses or social vulnerability of the community





THANK YOU for your attention