# **Innovations in DRR Education**



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## Contents

- Issues and Challenges of Disaster Education
- Innovations in Policy Interventions
- Innovations in Enhancing Actions
- Higher Education in DRR and CCA





# **Education for Sustainability**

UN Decade of Education for Sustainable Development (2005-2014, Secretariat: UNESCO)

- Education for Sustainability is a *lifelong learning process* that leads to an informed and involved citizenry having the creative problem solving skills, scientific and social literacy, and commitment to engage in responsible *individual and cooperative actions*.
- Education for Sustainability has the potential to serve as a tool for building stronger *bridges between the classroom and business, and between schools and communities*.
- Education for CCA (Climate change adaptation) and DRR (disaster risk reduction) as a part of education for sustainability





# **Education: the Key Lessons**

- It is essential, valued, welcomed and it works!
- However many governments give it a low profile
- Education and Training are costly, but yield rich dividends
- There is a lack of knowledge concerning the effectiveness of education and training





# **Genuine Learning:**

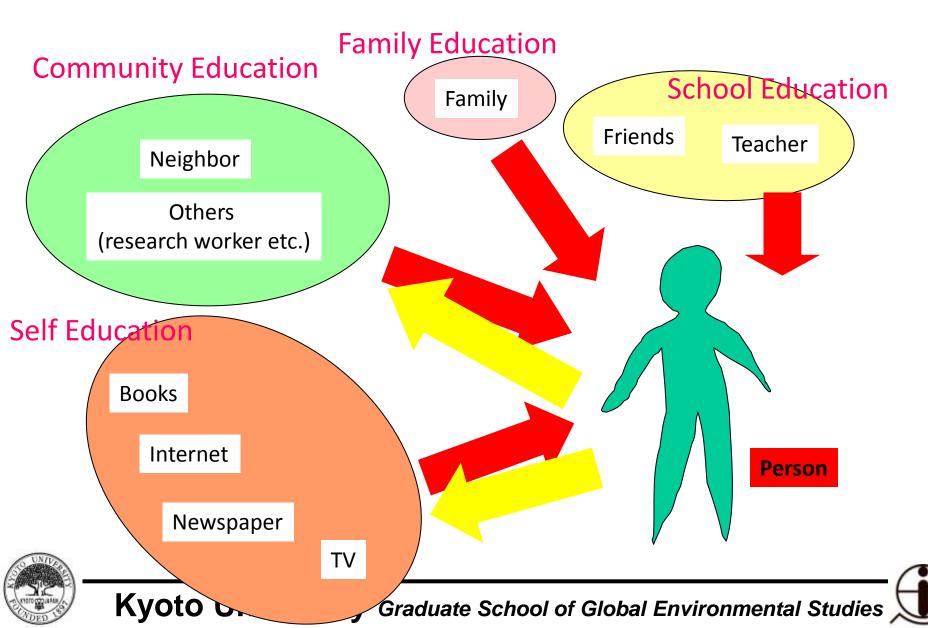
" Tell me, and I'll forget Show me, and I may remember Involve me, and I will understand"

Anon

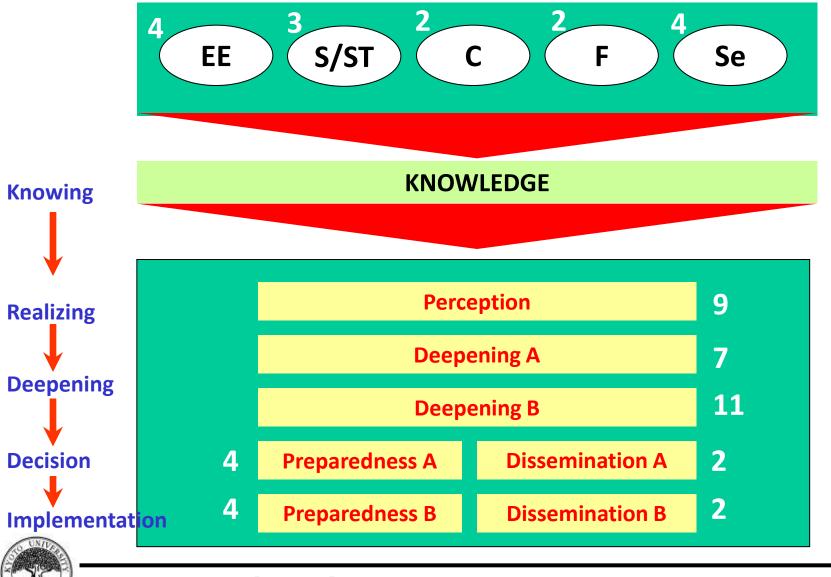




# **Source and Tools of Education**

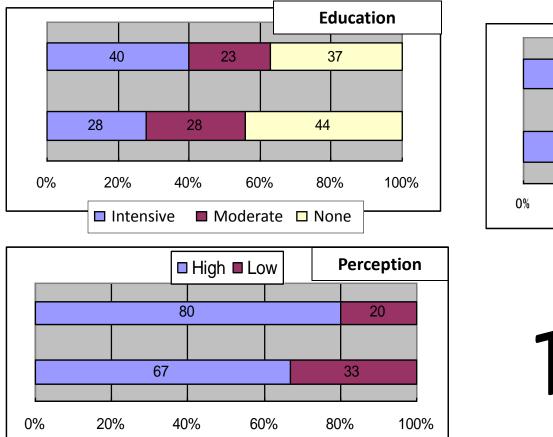


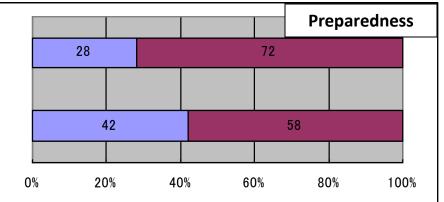
# **Steps of Knowledge and Education**





## **Results of Risk Perception of School Students in Japan**





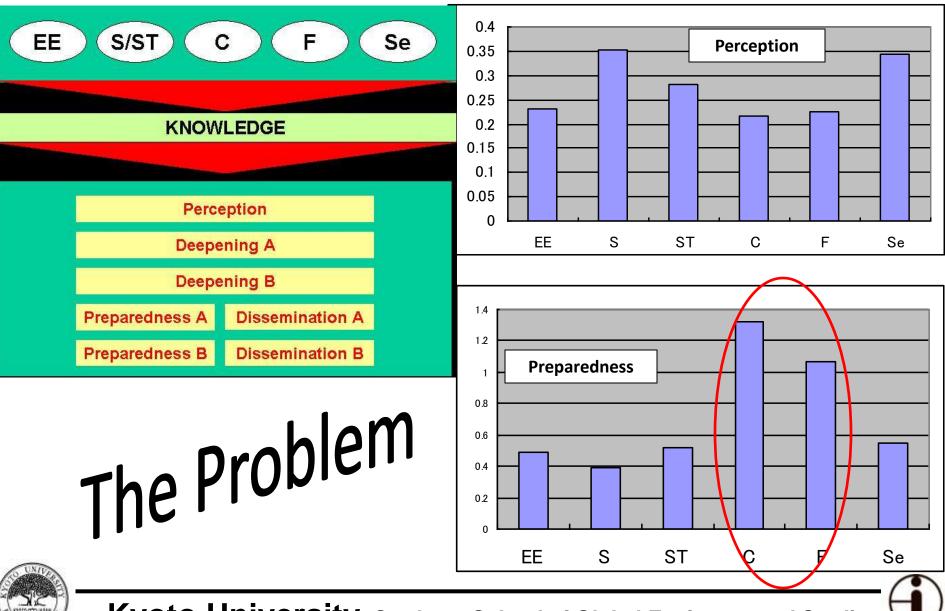


-60-70% students undergone disaster education -70-80% students have higher risk perception -30-40% are prepared





## **Community & family play the most important role**



# **Enhancing Action**

	Listen			Watch			Do								Talk					
	S1	S2	<b>S</b> 3	S4	S5	S6	<b>S</b> 7	S8	<b>S</b> 9	S1 0	S1 1	S1 2	S1 3	S1 4	S1 5	S1 6	S1 7	S1 8	S1 9	S2 0
Perception					0														0	
Deepening A								0								0			0	0
Deepening B								0								0	0	0		0
Preparedness A																			0	0
Preparedness B																			0	0
<b>Dissemination A</b>																			0	0
Dissemination B																0	0	0	0	0

From realization to action, TALK has more impact.

Effectiveness: [Talk]>[Do]>[Watch]>[Listen]





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## **Customizing HFA into Education Sectors**

MYANMAR EDUCATION RECOVERY PROGRAMME (MERP)

## BUILDING THE RESILIENCE OF THE EDUCATION SECTOR TO DISASTERS



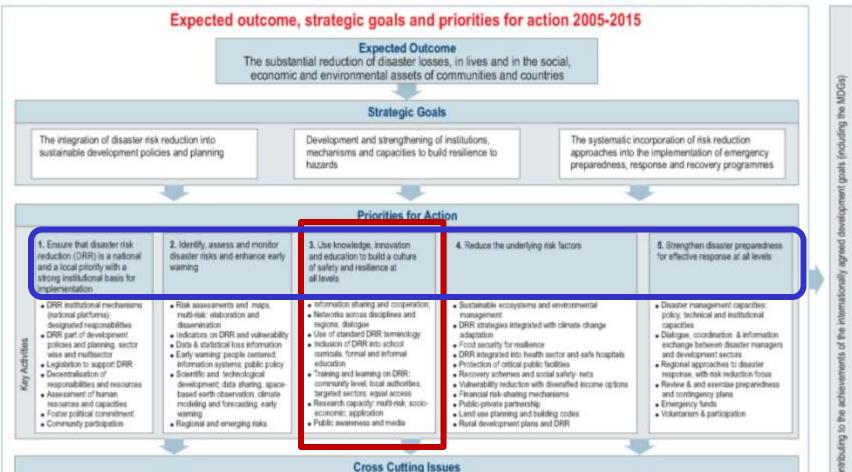




## Hyogo Framework for Action 2005-2015



#### SUMMARY of the Hyogo Framework for Action 2005-2015: Building the Resilience of Nations and Communities to Disasters (Hyogo Framework)





## **Seeing Resilience Through an Education Lens**

**PRIORITY 1:** Developing institutional base for DRR in education

**PRIORITY 2:** Identifying, assessing and monitoring disaster risks in the education sector

**PRIORITY 3:** Building a culture of safety through DRR education

**PRIORITY 4:** Reducing the underlying factors in the education sector

**PRIORITY 5:** Preparing for effective emergency response and recovery in education

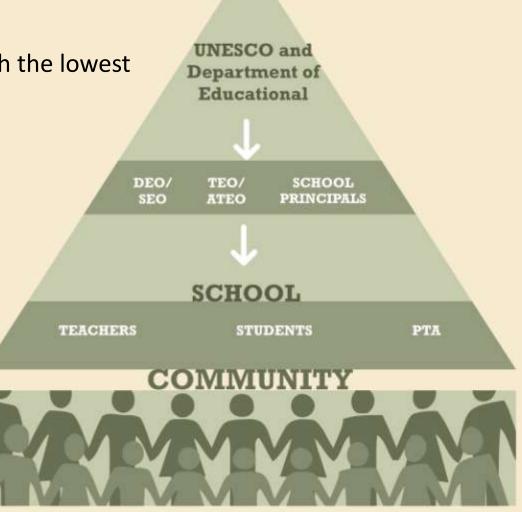






## Approach

Cascade model adopted to reach the lowest level of the pyramid



BUILDING THE RESILIENCE OF THE EDUCATION SECTOR TO DISASTERS

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Study through

Lecture

## **Purpose:**

Understand about general knowledge (Mechanism of disaster, disaster history, past disaster etc.)

#### Tool:

Text book, Video, some document.

Implementer: School teacher Instructor etc... Learn through Experience

Purpose:Understand local issue,history andenvironment.Understar

Tool:

Town Watching Interview Visit to Museum Disaster drill

#### **Implementer:**

Specialist High experience person Learn through Presentation

Purpose: Understand own issue. Make action plan

Tool: Some WS tool

**Implementer:** Student individual



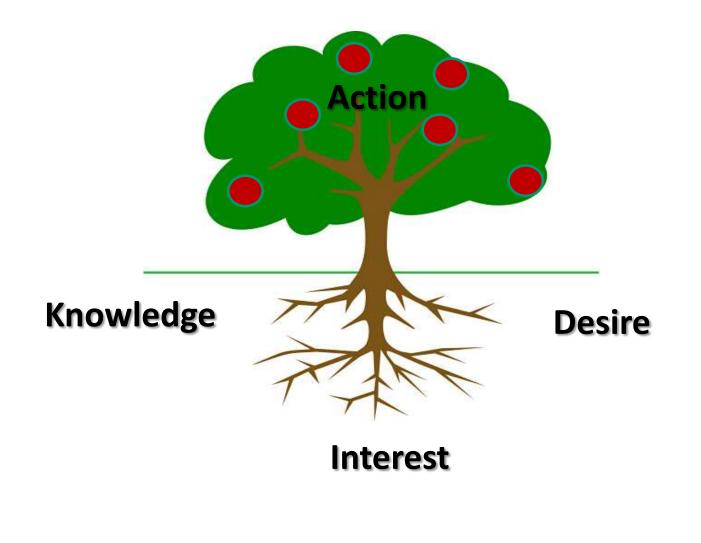


# 1 year program2 Levels3 types of hazards



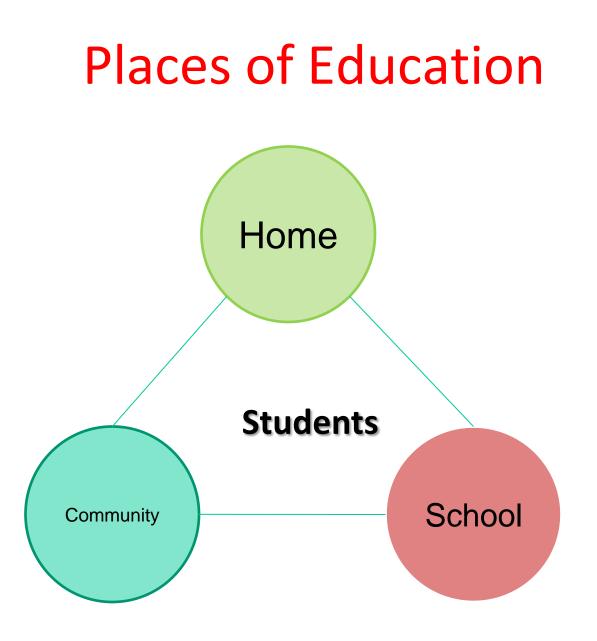


## **KIDA Model of Education**



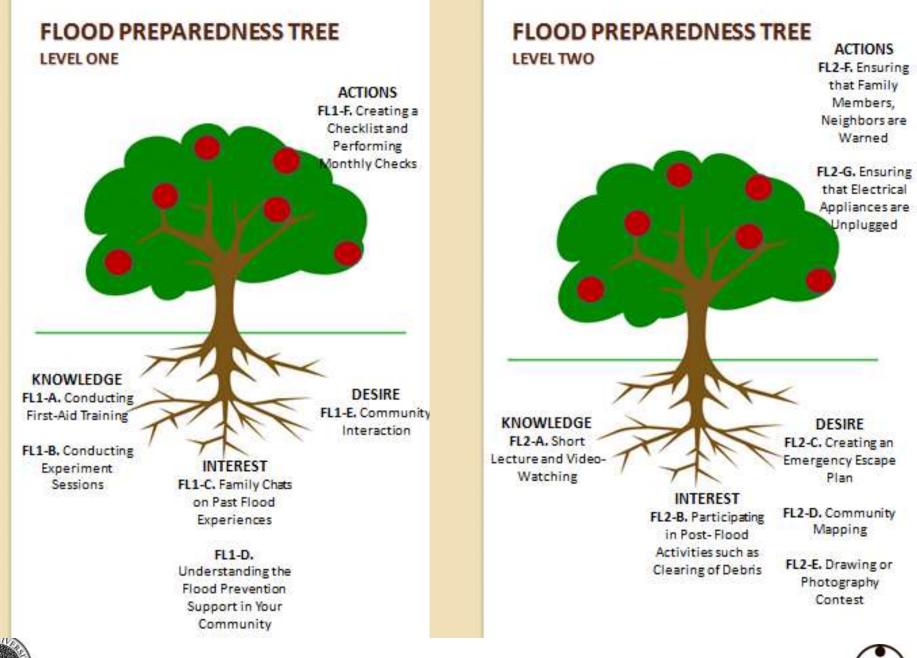














NOTE: FL1-A to H are activity codes. Students are not required to follow the activities in sequence





뷺



	Com	munity		1				
LEVEL	ACTIVITY SITE	FREQUENCY	ACTIVITY TYPE					
LEVEL ONE	Community	Quarterly	Priority					
ATIONALL		DURATION						
arly warning	nt to find out if an system is available in mity. If there is a	take 30mir	g on the activity, it may ns to a day.					
arning syste	em, are you able to		D ACTIVITES:					
varning sys iowever, inderstand a herefore, it iour responsi	nd fail to response. is important and its bility to find out and the early warning	r provided in -Learn al disseminat broadcast -Find out v are avai community -If possi authorities	at local radio stations what kind of informati lable at the loc	on he cal				
Example								
MEMO (Date	:1 Oct, What was lear	nt: Visit to local	authorities)					
l attended a	talk given by the local	authorities and	learnt about the		Date Compl	intend	Comments	Checked By
			shelter in case of	_	Date comp	ietieu	Comments	Checked by



## **Framework of Neighborhood Watching**

## Understanding of River Basin

### Mountain Watching

Understanding about region and environment, land slide and role of forest.

Build up network in Community

Community

#### **Town Watching**

 Understanding about region and environment,
Flood disaster and
Earthquake disaster.
Build up network in
Community

School

Community

## **Coastal Watching**

 Understanding about region and environment, Tsunami, storm surge and role of forest.
Build up network in Community

School Community





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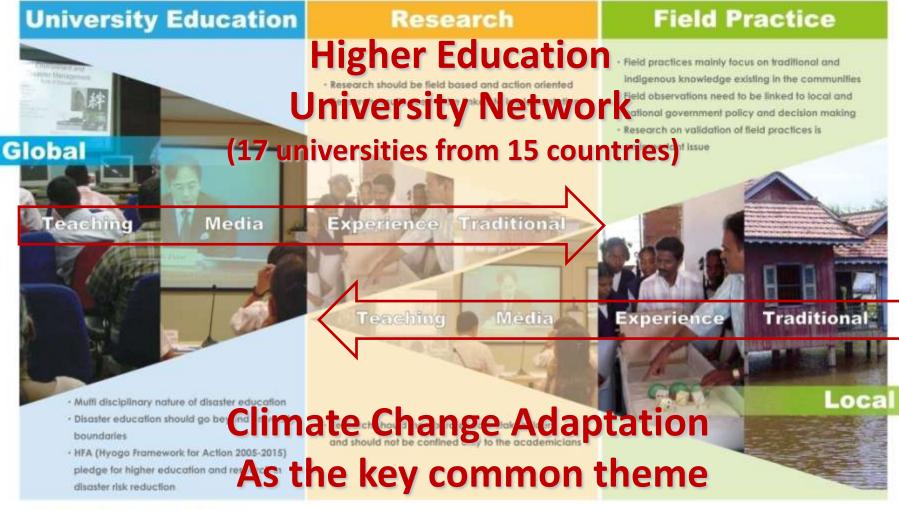
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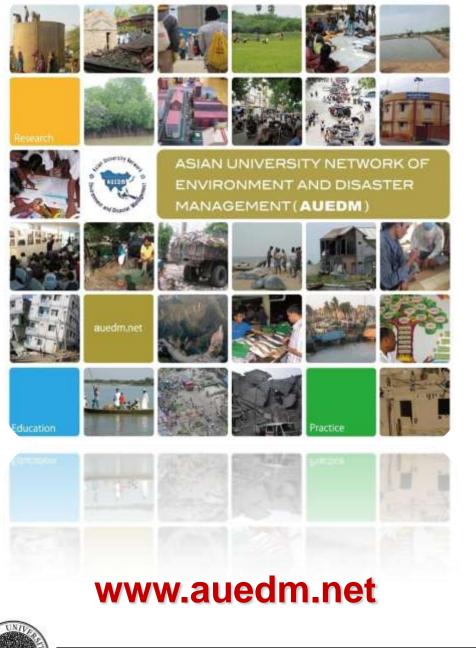


#### www.auedm.net



#### Target of AUEDM

- To share and work together (bilaterally and/or multilaterally) in promoting environment and disaster management in higher education (focusing on, but not restricted to, post-graduate education)
- > To seek possibilities of mutual collaboration on field-based action research
- To broaden the scope of education and learning in the environment and disaster management field through collaboration with other stakeholders like NGOs and local governments



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