

This presentation may be not suitable For you because of lack preparation

But I try it in General

Method Used: .To Observe----- Under The Guidance of ADRC Staff .To Compare ---- With my Country .To Select ---- Suitable for my Country .To Apply ---- The effective Method

Cnt ry	Disaster	Main Force	Facili ty	Respon se
JPN	Many Urban Areas affected	Technology: - Structural - communication - Equipments (Partly Land)	Good	Quick
IND	Mostly rural	Land: - Relocation (Some Technology)	Fair	?



DISASTER REDUCTION

1.EARTQUAKE

- Miyagi Prefecture Nojima Earthquake Fault Mus.
- 2. LAKE BIWA
- 3. LANDSLIDE
 - Nigawa Landslide Mus Lab Research, Kyoto Univ.
- 4. HYOGO PERFECTURE
- 5. NATIONAL INSTITUTE FOR LAND INFRA MANAGEMENT

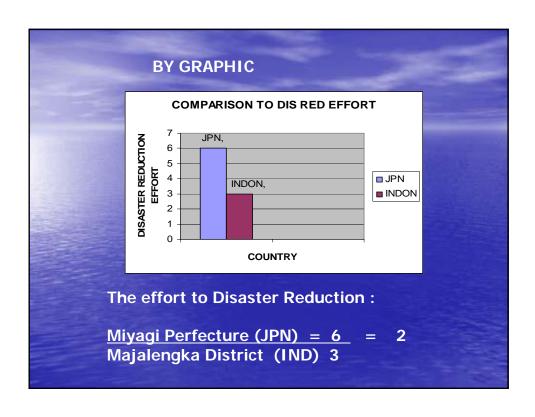
EARTHQUAKE IN MIYAGI PREFECTURE

MIYAGI PREF'S CONCEPT <u>TO STRENGHTEN THE BUILDING FROM</u> <u>SHAKE</u>

EARTHQUAKE IN TOTAL HOUSE	MIYAGI, JAPAN DAMAGED
otally destroyed	218 Houses
lalf destroyed	1,180 Houses
Partially destroyed	4,426 Houses
MAJALEN	QUAKE VICTIMS, NGKA, WEST JAWA 8 Juni 2001
LOCAL DISTRICT	HOUSE DAMAGE
Talaga	1223
Bantarujeg	773
Cingambul	104
Lemah Sugih	38
Banjaran	42

How the effort to Disaster Red By Comparing

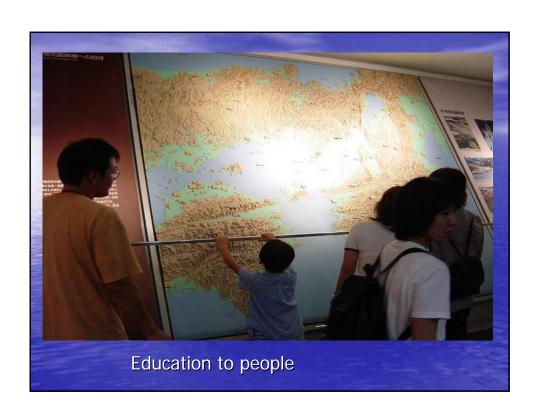
MIYAGI PREFEC JPN			MAJALENG CITY -	G KA INDC	
Disaster Red	Application				
Prevention	-	0	-	0	
Mitigation	GOV destroyed old houses	2	No data	0- 1	
Preparedness	Education	2	Education	1	
Response to Disaster	GOV + NGO	2	Majority GOV	1	
Recovery for Houses	Problem	?	Problem	?	
Total Effort		6	Total Effort	3	



What is Our plan (After this period):

- 1. To Support the Government to increase
- the awareness of Disaster in vulnerable area
 - Counseling Simulation
 - Education to people (Museum facility etc).
- 2. The increase of knowledge about earthquake for Researchers, Training, Workshop, international activities).
- 3. To Support the Gov to increase the role of NGO (Through Media, Seminar etc).







My Plan (from this period) : To Support

- 1. The Gov to increase awareness through
 Media, meeting, report etc
 (To increase education for people by
 increasing museum facility, simulation,
 explanation)
- 2. To Support the Gov to collaborate with NGO
- 3. Sharing information with International Agency (Training, Workshop, Cooperative project etc).

NIGAWA LANDSLIDE MUSEUM

NIGAWA MUSEUM CONCEPT: TO PREVENT LANDSLIDE AND TO CONDUCT RESPONSE

To prevent: by construction (Piling, Sub

drain, Retaining Wall etc)

To mitigate : by arrangement of surface water

Preparedness: by Conducting early warning

system

CON	MPARISON TO M	IONITO	RING	AREA
	Nigawa	JPN		IND
	Effort	Scor	Effor	Scor
	THE RESERVE OF	е	t	е
Prevent	Construction	2	no	0
l\litigation	Surface	2	Yes	2
	Water adjustment			
preparedness	Early Warning	2	no	0
	Total	6		2

Score

Good = 2 Fair = 1 Bad = 0









The Project is very Good!

The Obstacle:

The cost for the project of Nigawa Landslide (100-150 m length) needs 2.3 Billion YEN

Landslides in monitoring area (Indonesia) have more than 500 m in length, some in Km Typical in Rural area.

The Project is very Good!

but
May be up to now for rural area
relocation is still an effective method.

Rural area -- has lack of facilities

My Plan (From this period):

- 1. Education to residents
 - Museum facility
 - Field laboratory
- 2. To increase cooperative project with international agency to solve the problem in case.
- 3. Sharing information between researchers such as through International Consortium on Landslide (ICL)- Kyoto University.

 Actually Landslide problem is endless.

LAKE BIWA

Concept : To use water by keeping its continuation

Recharge = Discharge

Environment

Parameters:

- . Flood control ---- Weir, Channels
- . Sediment Control ---- Sabo dam
- . Drought ---- Catchments control (Forestation)
- . Pollution Control ---- Machine automatic
- . Early warning ---- alarm System

The Obstacle of water resources management in my Country aroun urban area For Example:

- , Saguling Dam, Jatiluhur Dam (West Java Province, Ind)
 - Drought Water level decreases , some electric power affected
 - . Pollution --- Metal component (Pb, Zn etc) killed tons of fishes when turbidity current occurs.

	Good = 2 Fair = 1 Bad = 0	Lake	Biwa JPN	Saguli ng	Dam Ind
		Effort	Score	Effort	Score
Prev	To Flood	OK	2	OK	2
	To pollution (?)	OK	2	NO	0
Miti 9	To drought- Forestation	OK	2	NO	0
Prep ared	Pollutant Monitoring	OK	2	NO	0
	Flood Monitoring	OK	2	OK	2
Score	Total Score		10		4

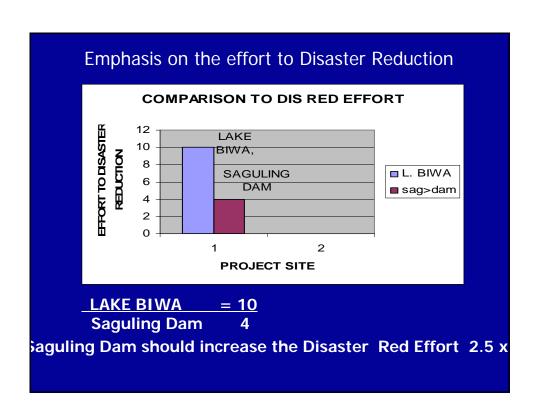
Explanation:

Actually it is rather difficult to compare because Geographic and rain fall condition JPN and IND are not similar EG:

JPN: Water Resources around Mountain IND: Water Resources far from Mountain (High Potential to Pollution).

JPN: High rain fall

IND: Rain fall Less than JPN but High Evaporation (High Potential to drought).



My Plan (From this period):

- 1. To Support the awareness to drought and environment to local people and Government
- 2. Applied of Effective warning system to pollution (as in Lake Biwa).

HYOGO PERFECTURE DISASTER MANAGEMENT CENTER

STRATEGY: RAPID RESPONSE

By Strengthening:
Condition, Planning and system.

My Plan (From this period)

Planning and system Should be conducted in Vulnerable area in My Country (Quick Response)

By improving
- facility (Communication and distribution)
- Planning

(PWRI)
And NATIONAL INSTITUTE
(Tsukuba)
Research Industries

Information For My Government (to compare and evaluate System, Process and Result)

Tactics/strategy

(To develop the method)

To increase Disaster awareness through Disaster observation, knowledge, technique and art

For communities and the approach to something (community, problem) in local and regional level.

OBJECTIVE

The knowledge taken from ADRC will increase the capacity of Government, Organizations for Communities.







