National Science & Technology Program for Hazards Mitigation in Taiwan

> Liang-Jung Wei National Science Council, Taiwan



I. BACKGROUND

II. THE PROGRAM

III. CONCLUSIONS

I. BACKGROUND

- **1. Natural Disasters in Taiwan**
 - Taiwan is located in typhoon tracks and earthquake zones.
 - It has suffered severe losses in the past due to disasters.
 - The general public has long been very concerned about natural disaster events, and the government has taken this matter seriously.

History of System Improvement and Policy Development on Disaster Reduction in Taiwan

No official law and regulation 1945-1964	Regulation for Natural hazards & Response 1965-1994		Disaster Prevention and Response Action Plan 1994-2000 921		Disaster Prevention and Response Act 2000.7~	
Before 1996: ≻Less collaborative is ≻Less implementatior	sue	1982-1 NSC launched –scale Resea programs for Prevention	996 d Large rch Disaster	19 N Phase)99- IAP (I)	2006 PHM Phase (II) 2003.7 NCDR established

(NAPHM)National Science & Technology Program for Hazard Mitigation

II. THE PROGRAM



Framework and Major Topics



Collaboration with Local Government

Empower the local-level capability for disaster reduction in Taiwan

Organization Structure & Members of Collaboration Project





Process of Typhoon emergency respones



Outcome by the Active Reduction Measures

Typhoon Event	Max. hourly Rainfall (mm/hr)	Total Accumulated Rainfall (mm)	Landslide (location)	Evacuation (Person)	Ceased and Missing (Person)
2001.7.28 Toraji	147	757	673		214
2001.9.17 Nari	142	1,462	475	24,000	104
2004.6.30 Mindulle	167	2,005	1,023	9,500	41
2008.9.10 SinLaKu	97	1,608	571	1,987	22

Passive Rescue (Toraji) Proactive assessment and evacuation (Nari, Midulle, and Haitang)

Decreasing of victims

III. CONCLUSIONS

- 1. The R&D program have produced a large volume of scientific and technological results
- 2.The subjects are highly interdisciplinary and interdepartmental nature . Consolidated planning, coordination and management are critically important
- 3. For application and implementation of R&D results, special efforts in the forms of technology-transfer, technical support and collaborative work are necessary.

The End

Thanks for your attention