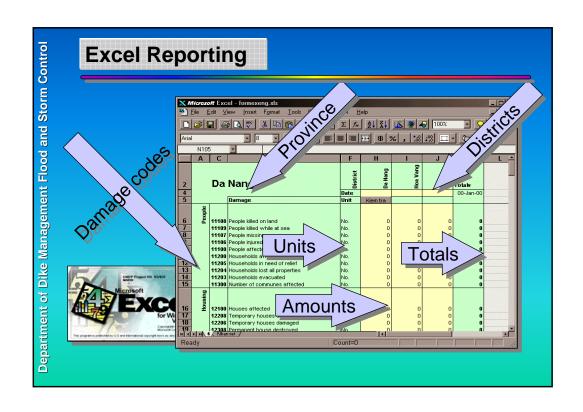
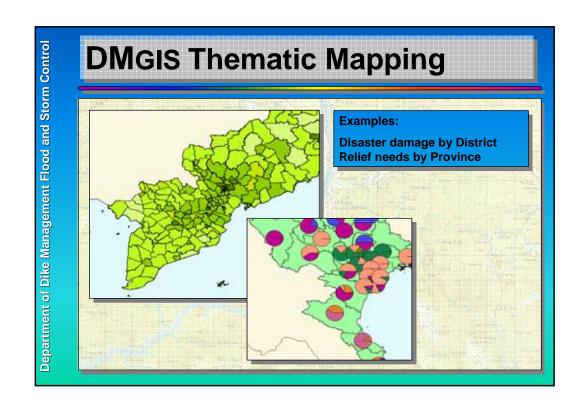
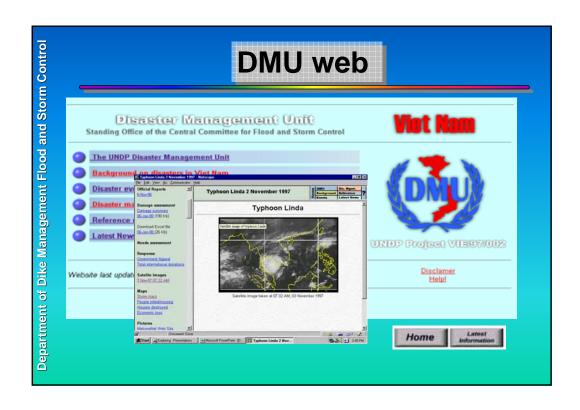


# Disaster Management damage National collection of damage assessment data on District level All damage data stored in a National Damage Database Excel spreadsheet reporting Standardized damage codes Standardized damage form



Excel Reporting	Da Nang	District	Da Nang	Hoa Vang	Hoang Si	Totals
	Damage	Date				00-
One Reporting format for all provinces to generate Province Specific Damage Assessments Forms on District level	11100 People killed on land 11100 People killed while at sea 11107 People skilled while at sea 11107 People instead or ill 11100 People injuned or ill 11100 People injuned or ill 11100 People injuned or ill 11000 People injune	No. No. No. No. No. No. No. No. No.	0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
on Bistrict level	± 1/2/09 (Tousses anected 12206 Temporary houses destroyed 12206 Temporary houses destroyed 12206 Temporary houses damaged 12306 Permanent house destroyed 12306 Permanent house damaged 2	No. No. No. No.	0 0 0	0 0	0	
	# 13100 Medicine facilities destroyed # 13100 Medicine facilities damaged # 13100 Medicine facilities damaged # 14200 Toilets destroyed # 14200 Toilets destroyed # 14100 Water wells destroyed	Room Room No.	0	0	0	
	14196 Water wells damaged  15100 Pupis affected 15200 Schools destroyed 15200 Schools destroyed 15200 Books and nosbooks destroyed 15400 Books and nosbooks destroyed	No. Room Room No. No.	0 0 0 0 0 0	0 0 0 0	0 0 0 0 0 0	
	19000 Economic Loss : Humanitarian  2 21101 Agricultural area inundated with feeth water 21101 Paddy area inundated 21201 Paddy area inundated 21201 Paddy area inundated 21200 Paddy destroyed 21200 Paddy damaged 42200 Paddy damaged 42200 Paddy damaged 42200 Paddy damaged	Ha. Ha. Ha. Ha. Ha.	000000000000000000000000000000000000000	0 0 0 0	0 0 0 0 0 0 0	

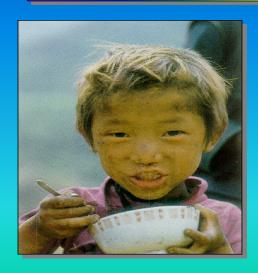






Department of Dike Management Flood and Storm Control

## **AID COORDINATION**



## Facilitation of International Humanitarian Aid

- Identifying target areas and recipients
- Monitor Aid Distribution
- Report on Aid Distribution

### Department of Dike Management Flood and Storm Control Aid for Typhoon victim in1997 USA (OFDA) US\$ 65,000 USA (Embassy) US\$ 25,000 USA (DOD) US\$ 460,000 UN-DHA: US\$ 50,000 UNDP-Vietnam: US\$ 150,000 Gov. of Norway: US\$ 50,000 Gov. of New Zealand US\$ 62,000 Gov. of Luxembourg US\$ 100,000 Danda US\$ 460,000 Gov.. of Austria US\$ 38,000 Total: US\$ 1,460,000

Department of Dike Management Flood and Storm Control

### The performed activities at DMC

### Maintain the Hydro-Meteorological reports during flood -storm season

- Maintain the linkage between Forecasting agency and CCFSC
- Interpretation of rainfall data, water level data of major rivers from hydrological observation network.
- Tropical Storms information
- Update the hydro-meteorology data base
- Prepare the reports



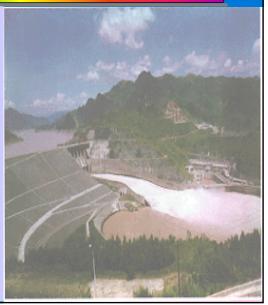
## Department of Dike Management Flood and Storm Control

## The performed activities at DMC

## Daily flood forecasting bulletin for the operation of Hoa Binh Reservoir

The biggest Reservoir in SEA for Power Generation and Flood Control. It generates more than half of Country's Electricity Output; importance for Flood and Water Disaster Management of Red River Delta.

- Perform the hydraulic calculation to forecast the Incoming discharge, water level of the Reservoir, Rivers down stream of the Dam
- Base on the result of the calculation, synoptic condition and the status of flood control infrastructure down stream to produce the final consultation bulletin to Director of the DDMFC
- Final decision on the operation of reservoir for flood control purposes will be issued by director of the DDMFC or the Vice Minister



## Department of Dike Management Flood and Storm Control

## The performed activities at DMC

## Disaster Assessment and relief coordination

- Collecting and processing the information on disaster damage of the affected areas
- Assess the manignitude of hazard, prepare the situation reports.
- Assist the chief of the office coordinate the response activites base on the on going disaster situation
- maintain the damage record of the events
- Writing the annual report on disasters situations.
- Codinate the relief activities during emergency operation

Damage caused by Tornado from 1979 to 1998 in									
Category	item damaged	unit	North mountai- nous zone	North midland, plain, coastal	North central zone				
People	Killed	No.	82	178	262				
	Injured	No.	414	1,346	716				
	Missing	No.	5	41	23				
Housing	Collapsed	House	3,282	6,273	10,172				
	Submerged and damaged	House	30,056	43,162	61,849				
School	Collapsed	Room	403	709	1,025				
	Submerged and damaged	Room	448	1,046	1,516				
Clinic and	Collapsed	No.	10	8	87				
hospital	Submerged and damaged	No.	51	37	232				
WareHouse	Collapsed	No.	4	43	279				
	Submerged and damaged	No.	13	36	50				
Office	Collapsed	No.	29	43	35				
	Submerged and damgaged	No.	133	80	227				
Agriculture	Paddy field submerged	Ha	5,855	44,406	50,998				
	+ Completely lost	На	2,834	838	10,524				
	Dry crop submerged	Ha	7,816	29,922	12,710				
	+ Completely lost	На	1,367	588	17,842				
	Food damaged by water	Ton	277	79	5/1 ====				
	0 11 1 11 1	-			1000				

## Department of Dike Management Flood and Storm Control

### The performed activities at DMC

## Research works, Project coordination, workshops, conferences on disaster management

- •Research project on Flooding in Vietnam
- Project on disaster management's training material.
- Project on Understanding Extreme Climate Event in Vietnam with ADPC
- Annual training workshop for disaster management at provincial level and districts level.
- •Coordination for UNDP/DANIDA Mangrove Forest Rehabilitation Project

