EARLY WARNING SYSTEM SURVEY TURKS & CACOS ISLANDS

COUNTRY:

Please complete one form for each Hazard

I INFORMATION ON THE HAZARD

1. The Hazard HURRICANE

2. Summary of events triggered by the hazard

WIND DAMAGE, STORM SURGES, FLOODING OF FLAT AREAS

3. Historical events of significance.

HURRICANES DONNA-1960, KATE-1985, LUIS AND MARYLIN-1995

4. Description of the region and the population under hazard and of the existing vulnerabilities

b. Degree of exposure of population to hazards (High/Medium/Low) HIGH

a. Number of communities affected by the hazards (Approximate #) 50

c. Number of persons exposed (#) 56,000

c. Percentage of people exposed to hazard, etc).(%) 90%

Is there adequate public awareness about the hazard? (Y/N) NO
Attitude towards freedom of hazard information: (Very good/Good/Poor/None) GOOD

II TECHNICAL ASPECTS OF THE EARLY WARNING SYSTEM

1. Type of system employed to monitor the hazard:

SATELLITE (INTERNET) MONITORING, WIND VANES, RAIN GAUGES,

HUMAN REPORTING, CABLE CHANNELS, MIXTURE

2. Year in which system became operational. 1991 - 2003 (GRADUAL DEVELOPMENT)

3. Time employed for the design and implementation of the system. 12 YRS

4. Geographic coverage of EWS. ALL ISLANDS

5. Arrangements made for remote areas? (Y/N) NOT GOOD

6. Routine operation of the EWS:

a. Members of the community; (Position)

b. Personnel from:

1) National; (Position) MET OFFICE, MEDIA HOUSES

2) Regional; (Position)

3) Local government agency; (Position) DISTRICT COMMISSIONERS

4) Research center; (Name) NONE

5) Consulting firm; **(Y/N)** NO

6) NGO; **(Name**)

7) Other (Name)

8) Mixed; (Y/N) YES

7. Type of instrumentation used

a. to monitor the hazard; ANEMOMETERS, SATELLITE TVRO, COMPUTERS-INTERNET, RAIN GAUGES, 2 WAY RADIOS

b. to process information gathered; COMPUTERS

c. to transfer it. BROADCAST RADIO AND TV, BULL HORNS, FAX, HF/VHF/UHF RADIO,

EMAIL, TELEPHONES, CELL PHONES

8. Mechanisms used to forecast the events:

a. Procedures? (Y/N)

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b. Are procedures documented in a national plan? (Y/N) YES

c. Are procedures backed by legal authority? (Y/N) YES

YFS

d. Wh	o carries out this task?
	1) Members of the community? (Y/N) NO
	2) Personnel from technical institutions? (Y/N) YES - MET OFFICE
	3) Other (Name)
	4) Automatic? (Y/N) NO
	5) Mixed? (Y/N) YES
	6) Other (Name)
9. Is warning a	dequately published in public broadcast media? (Y/N) NO
10. Are forecast	and media agencies fully integrated? (Y/N) NO
11. Is there redu	ndancy and backup for the EW system? (Y/N) NO
12. Is lifeline eq	uipment (eg standby power) adequate? (Y/N) NO
13. Is there ade	uate provision for maintenance of the EWS? (Y/N) NO
14. Technical su	pport used for the Design, Implementation, Development of the EWS:
a. Inte	rnational (Name) CDERA
b. Nat	onal (Name) MET OFFICE, REGIONAL CONSULTANTS
	nnical (Name) HAM OPERATORS
d. Scie	entific (Name) REGIONAL CONSULTANTS
	demic (Name)
	sulting firm (Name)
	defense agency (Name) FIRE SERVICE, POLICE
	O (Name) RED CROSS
	r (Name) NEWS MEDIA (CABLE OPERATORS, PRINT, TV, RADIO)
	TIONAL AND FINANCIAL ASPECTS OF THE EWS.
	I framework for the EWS? (Y/N) YES
2. Institution(s)	in charge of design and implementation (Name) MET OFFICE
2 Institution (s)	which neuticingto restingly in menitoring the beyond (Neme) MET OFFICE
3. Institution (S)	which participate routinely in monitoring the hazard (Name) MET OFFICE
4 1 41 1	
	uate public awareness of the EWS? (Y/N) YES
5. Is there parity	between forecasting and warning? (Y/N) YES
5. Is there parity 6. Is there provi	between forecasting and warning? (Y/N) YES sion for nightime warning and response? (Y/N) YES
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IV MECHANISMS TO ISSUE A WARNING AND AN ALERT		
1. Who is warned or alerted by those who monitor the hazard?		
	a. Community (Y/N) YES	
	b. Local (Name) FIRST RESPONDERS AND COMMUNITIES VIA MASS MEDIA	
	c. Regional (Name) CDERA	
	d. National Government (Name) GOVERNOR, CHIEF MINISTER, MINISTRIES, RESPONSE AGENCIES	
2. Which r	neans are employed to warn the people and the various agencies or institutions?	
	TELEPHONE, FAX, EMAIL, PUBLIC MEDIA,	
	in charge of declaring the state of alert:	
	a. The Community (Y/N) NO	
	b. Technical personnel who monitor the hazard (Y/N) NO	
	c. Local (Name)	
	d. Regional (Name)	
	e. National level government (Name) DIRECTOR OF DISASTER MANAGEMENT f. National civil protection agency (Y/N) NO	
	public alert employed:	
4. Type of		
	Siren / Bells / Public Radio / TV / Flags / Whistles / Megaphones / Email / Fixed Frequency	
	Radio / Fax / Cell Phone / Community Members Cascade / Multiple options	
	in charge of operating the alert mechanisms/equipment and orders the activation of alerts?	
	DIRECTOR OF DISASTER MANAGEMENT	
6. Official	policies, norms, and procedures in place to issue warnings and alerts (if any)	
	YES - NATIONAL DISASTER PLAN	
7. Local q	overnment participation: YES	
	ontent of the alert message adequate? (Y/N) YES	
	verification that the information is correct and acted on? (Y/N) YES	
	a. Type of municipal organization (Name Type) DISTRICT COORDINATORS	
	b. Resources provided. AS SPECIFIED ABOVE	
10. Community participation:		
	a. Type of organization (Name Type) COMMUNITY ASSOCIATIONS, NGO'S, CHURCHES, ETC	
	b. Participants (Name Organizations) RED CROSS, ADRA, ST JOHNS AMBULANCE, ETC	
	c. Relation with the local government. (Very good/Good/Poor/None) GOOD	
11. Specia	I arrangements for social groups with limited resources and special needs? (Y/N) YES	
V ANALYSIS OF EWS		
1. Comments regarding successful and unsuccessful results during the operation of the EWS.		
	INADEQUATE RADIO AND MEDIA COVERAGE THROUGHOUT ISLANDS HAVE LED TO	
	INADEQUATE DISSEMINATION OF WARNIINGS	
2. Strengths and weaknesses of the EWS.		
	STRENGTHS: UNOFFICIAL DECENTRALIZATION AND COMMUNITY INVOLVEMENT, VARIETY OF	
	WARNING METHODS ALLOWS REDUNDANCY	
	WEAKNESSES: POOR PUBLIC RADIO COVERAGE	
2	a laarmad kanafita of the FNIC	
3. Lesson	s learned, benefits of the EWS.	
MULTI ISLAND STATE NEEDS TO INVOLVE COMMUNITIES AND DECENTRALIZE EWS BUT WITH		
GOOD COMMUNICATIONS, PUBLIC EDUCATION AND AWARENESS PROGRAMMES,		
4. Added value gathered from the EWS (benefits not initially conceived during the planning stages, which		
	emerged during standard operation of the system).	
ANNEX:	MAP OF THE REGION WHERE EWS IS OPERATED.	