

University of West Indies, Seismic Research Department US Geological Survey UNESCO IOC International Tsunami Information Centre, ICG/CARIBE-EWS		
Caribbean Training Course in Seismology and Tsunami Warnings		
June 25-30, 2007, St Augustine, Trinidad.		
Draft Training Course Agenda		
Time	Topic	Lecturer
Day 1	<i>Introduction to Seismology</i>	
9:00-9:30	Opening Ceremony	
9:30-10:00	Participant Introductions	
10:00-10:30	Coffee	
10:30-11:15	Seismicity and Plate Tectonics	CvHA
11:15-12:00	Tectonics of the Caribbean Region	RR
12:00-1:00	Lunch	
1:00-1:45	Introduction to seismic waves	WM
1:45-3:00	Computer exercises (teleseismic data interpretation and location)	AK (CvHA, RR, WM)
3:00-3:30	coffee	
3:30-4:15	Computer exercises (teleseismic data interpretation and location)	AK (CvHA, RR, WM)
4:15-5:00	Introduction to earthquake sources	WM
Day 2	<i>Introduction to Seismology</i>	
9:00-9:45	Seismic data interpretation - Location	WM
9:45-10:30	Seismic instrumentation	RR
10:30-11:00	Coffee	
11:00-11:40	Seismic monitoring in the Caribbean	CvHA
11:40-12:00	Discussion: Seismic monitoring in the Caribbean	General Discussion
12:00-12:30	Seismic data interpretation - Focal mechanisms	AK
12:30-1:30	Lunch	
1:30-3:00	Computer exercises (local earthquake data interpretation and location)	AK (CvHA, RR, WM)
3:00-3:30	Coffee	
3:30-4:15	Damaging effects of earthquakes	WM
4:15-5:00	Seismic hazard mapping	RR
Day 3	<i>Tsunami Warning and Mitigation Systems - Science and Hazard Risk Assessment</i>	
9:00-10:00	Tsunami generation and physics	CM
10:00-10:30	The history of tsunamis in the Caribbean	CvHA
10:30-11:15	Tsunami Warning and Mitigation Systems - Overview	LK
11:15-11:45	Coffee	
11:45-12:10	Tsunami Hazard and Risk Assessment , NHK tsunami science DVD or other tsunami information video	MY
12:10-12:30	Discussion: Tsunami hazards and risks in the Caribbean	General Discussion

12:30-1:30	Lunch	
1:30-2:00	Introduction to numerical modeling of tsunamis	LK
2:00-3:30	Computer tsunami historical database (winITDB)	LK, CM, CvHA
3:30-4:00	Coffee	
4:00-5:00	Tsunami modeling with TIME and MOST (Caribbean examples)	CM or CvHA
Day 4	<i>Tsunami Warning and Mitigation Systems – Tsunami Warnings</i>	
9:00-9:30	Tsunami Warning Center Operations – Overview on Standard Operating Procedures and Requirements of National Tsunami Warning Centers	MY
9:30-10:00	Tsunami Warning Center Operations – Seismic monitoring and real-time earthquake source characterization	MY
10:00-10:45	Tsunami Warning Center Operations - Sea level monitoring and tsunami confirmation and wave forecast	CM
10:45-11:45	Sea level monitoring in the Caribbean	CvHA
11:15-11:45	Coffee	
11:45-12:30	Hands-on exercise with Sea Level gauge data (this could use SAC as in Maldives (AK) or it could be Tidetool (CM))	AK, CM, LK
12:30-1:30	Lunch	
1:30-2:30	Tsunami Warning Center Operations - Caribbean Scenarios	CM
2:30-3:00	Discussion: Caribbean Tsunamis	General discussion
3:00-3:30	Coffee	
4:00-5:00	Computer learning – Calculating Tsunami Travel Times (TTT software)	CM, LK, MY
Day 5	<i>Tsunami Warning and Mitigation Systems - Emergency Response for tsunamis and other hazards</i>	
9:00-10:30	Tsunami "End to End" Emergency Response – Overview on Standard Operating Procedures	LK
10:30-11:00	Coffee	
11:00-12:30	Warning Dissemination and Public Alerts – Message Scheduling and Message Content	CM
11:30-12:00	Warning Dissemination and Public Alerts –Warnings through GTS, EMWIN, and other existing reliable methods	LK
12:00-12:30	Warning Dissemination and Public Alerts – Potential roles of the Media	MY
12:30-1:30	Lunch	
1:30-2:00	CARIBE-EWS Communication Tests and TWC Training	CM
2:00-2:30	Regional and National Exercises and Post-Exercise Evaluations	LK
2:30-3:00	Discussion: Tsunami Warning and Emergency response for tsunamis and other hazards	General Discussion
3:00-3:30	Coffee	
3:30-5:00	Computer learning: TsunamiTeacher	LK, CM, MY
Day 6	<i>Tsunami Warning and Mitigation Systems - Mitigation for tsunamis and other hazards</i>	
9:00-10:00	Natural Hazard Mitigation in the Caribbean	ER
10:00-11:00	Tsunami Mitigation - Preparedness, Education, and	CvHA

	Outreach	
11:00-11:30	Coffee	
11:30-12:30	Discussion, Q&A, Summary and Closing	All

Key to Lecturers

CvHA

RR

WM

AK

ER

CM

MY

LK

Christa von

Hillebrandt-Andrade

Richard Robertson

Walter Mooney

Annabel Kelly

Elizabeth Riley

Charles McCreery

Masahiro Yamamoto

Laura Kong