

Maldives Meteorological Department
US Geological Survey
UNESCO IOC International Tsunami Information Centre

Maldives Training Course in Seismology and Tsunami Warnings
August 27-31, 2006, Male, Maldives

Training Course Agenda

Time	Topic	Lecturer
Day 1	<i>Tsunamis and Tsunami Warning and Mitigation Systems</i>	
9:00-9:30	Introductions	Maldives, IOC, USGS
9:30-10:00	Coffee	
10:30-11:30	Seismicity and Plate Tectonics	Kelly
11:30-12:30	Tsunami Warning and Mitigation Systems - Overview	Kong
12:30-1:30	Lunch	
1:30-2:30	Tsunami generation and physics	Yamamoto Kong, Kelly, Yamamoto
2:30-3:30	Computer learning: TsunamiTeacher	
3:30-4:00	Coffee	
4:00-4:30	Tsunami Observations Discussion of variation in leading wave polarity and review of Japanese sea level data following the 2003 Tokachi-Oki earthquake.	Kong, Kelly, Yamamoto
4:30-5:30	Tsunami warning center operations - objectives and activities Tsunami Warning Center Operations (PTWC and JMA) - IO Scenario Procedures for the IOTWS Interim Advisory Information Service	Yamamoto Kong
Day 2	<i>Tsunami Warning and Mitigation Systems</i>	
9:00-10:00	DVD documentary on tsunamis - NHK video Tsunami Warning Center Operations (PTWC and JMA) - IO Scenario	Kong
10:00-11:00	Case Study: Indonesia Source Region Case Study: Makran Source Region	
11:00-11:30	Coffee	
11:30-12:30	Tsunami Hazard Risk Assessment and Preparedness	Kong
12:30-1:30	Lunch	
1:30-2:00	Warning Dissemination and Public Alerts - Communications Technologies	Yamamoto, Kong
2:00-2:45	Tsunami Emergency Response after warning issuance	Kong Kong, Kelly, Yamamoto
2:45-4:00	Computer tsunami exercises (winITDB) Coffee	
4:00-5:00	Tsunami Mitigation - Preparedness (Evacuation + Hard Countermeasures)	Yamamoto
Day 3	<i>Seismology</i>	
9:00-10:30	Earthquake theory - sources	Mooney
10:30-11:00	Computer exercises (winITDB)	Kelly

11:00-11:30	Coffee	
11:30-12:30	Earthquake theory - waves	Mooney
12:30-1:30	Lunch	
1:30-2:45	Computer exercises (SeismicWaves + SeismicEruption)	Kelly
2:45-3:15	coffee	
3:15-4:00	Damaging effects of earthquakes	Mooney
4:00-5:00	DVD documentary on earthquakes	
Day 4	<i>Seismology</i>	
9:00-10:00	Seismic data interpretation - Location	Mooney
10:00-11:00	Seismic data interpretation - focal mechanisms	Kelly
11:00-11:30	Coffee	
11:30-12:30	Computer exercises (seismic data interpretation)	Kelly
12:30-1:30	Lunch	
1:30-3:00	Computer exercises (seismic data interpretation)	Kelly
3:00-4:00	Computer exercises (earthquake location)	Kelly
4:00-4:30	Coffee	
4:30-5:00	Review of run-ups in the Maldives from the 2004 tsunami	Zahid
Day 5	<i>Seismology</i>	
9:00-10:00	Seismic instrumentation	Kelly
10:00-11:00	Earthquake forecasting	Mooney
11:00-11:30	Coffee	
11:30-12:30	Seismic arrays and networks	Mooney
12:30-1:30	Lunch	
1:30-3:30	Hands-on exercise (focal mechanisms)	Kelly
3:30-4:00	Coffee	
4:00-4:45	Review of seismology training and the Dec 26, 2004, Sumatra Earthquake	Kelly Maldives, USGS, IOC
4:45-5:00	Concluding remarks	