

GEM Workshop on Active Faults and Seismic Sources in SE Asia

EOS, NTU, Singapore, August 1-3, 2011

PROGRAMME

Monday 1 August 2011

Time	Speaker	Title of Talk
09:00-09:20	Informal Tea & Coffee	
09:20-09:30	Pan, Sieh	Welcome
09:30-10:30	Giardini, Pagani	Introduction to GEM and to the southeast Asia contribution to the GEM
	SESSION I: ACTIVE FAULTS IN SOUTHEAST ASIA We review the state-of-the-art and knowledge in studies and mapping of active faults across the Southeast Asia region and their association to recent earthquake activity. We focus on the determination of parameters of relevance for seismic hazard assessment, such as maximum magnitude, return period of large events and slip-rate, and their uncertainties.	
10:30-11:15	Kerry Sieh	GEM Faulted Earth and the active faults of Southeast Asia
11:15-11:45	J. Bruce H. Shyu	Active faults of Taiwan
11:45-12:00		Discussion on active faults of Taiwan
12:00-13:20	Lunch	
13:20-13:50	D. Natawidjaja	Active faults of Indonesia
13:50-14:10	Mudrik Daryono	Active faults of Sumatra
14:10-14:25		Discussion on active faults of Indonesia
14:25-14:45	Soe Thura Tun	Active faults of Myanmar
14:45-15:00	U Tint Lwin Swe	Historical earthquakes of Myanmar
15:00-15:20	Coffee break	
15:20-15:40	Punya Charusiri	Active faults of Thailand
15:40-16:00	Pham N. Hung	Active faults of Vietnam
16:00-16:20		Discussion on active faults of Myanmar-Thailand-Vietnam
16:20-16:40	Afroz A. Shah	Active faults of New Guinea
16:40-17:10	Phivolcs	Active faults of the Philippines
17:10-17:40	Sieh	Introduction and tour of EOS
18:00	Refreshments and standing dinner at EOS	

GEM Workshop on Active Faults and Seismic Sources in SE Asia EOS, NTU, Singapore, August 1-3, 2011

Tuesday 2 August 2011

Time	Speaker	Title of Talk
09:00-10:00	Haryadi	Marine geophysics information on active faulting
10:00-11:00	Emma Hill	Regional and local geodesy in SE Asia
11:00-11:30	Coffee break	
11:30-12:30	Sieh, Rubin	DISCUSSION: open items in the characterization of active faults
12:30-14:00	Lunch	
	SESSION II: FROM ACTIVE FAULTS TO SEISMIC SOURCES We discuss how to transform primary information from active fault studies in models of seismic sources for use in seismic hazard assessment. Various national models will be presented. Each presentation will consist of 45 minutes of presentation and 15 minutes of discussion, or 20 and 10 minutes for countries whose faults have been already presented	
14:00-14:30	Stirling, Pagani	Introduction: from active faults to seismic sources
14:30-15:30	Stirling	Active faults and seismic sources of New Zealand
15:30-16:00	Coffee break	
16:00-16:30	Shyu, Ma	Seismic source model of Taiwan
16:30-17:30	Cummins	Active faults and seismic sources of Australia and Pacific margin
17:30-18:00	Natawidjaja, Cummins	Seismic sources of Indonesia
19:00	Workshop dinner	

GEM Workshop on Active Faults and Seismic Sources in SE Asia EOS, NTU, Singapore, August 1-3, 2011

Wednesday 3 August 2011

Time	Speaker	Title of Talk
09:00-10:00	Hao	National seismic hazard maps and Tohoku earthquake of Japan
10:00-10:30	Phivolcs	Seismic sources of the Philippines
10:30-11:00	Coffee break	
11:00-12:30	Stirling, Pagani	DISCUSSION: open issues in the definition of seismic sources
12:30-13:45	Lunch	
	SESSION III: BUILDING A SEISMIC SOURCE MODEL FOR SOUTH EAST ASIA We review different classes of seismic source models (seismogenic sources, area sources, background, zoneless, hybrid) using the Myanmar model as example. We discuss existing regional seismic source models from SEA and show examples of models from other regions and we illustrate the use of GEM software (Openquake and modeling toolkits).	
13:45-15:45	Pagani, Giardini	Openquake, source toolkit, moment balancing, Myanmar model
15:45-16:15	Coffee break	
	SESSION IV: ROADMAP TO SEA HAZARD 2012 We discuss a possible agenda, workshops, work assignments and responsibilities to arrive to a first consensus regional hazard model of SEA by July 2012. We discuss also funding mechanisms to continue the cooperative work in the future under the GEM banner.	
16:15-17:30	Pagani, Sieh, Rubin, Giardini	Roadmap to SEA hazard 2012
17:30-17:45	Conclusions	