

International Workshop on Multi-disciplinary Hazard Reduction from Earthquakes and Volcanoes in Indonesia

Period: November 22 (Mon.) - 25 (Thu.), 2010

Venue: JICA Hyogo, Kobe, Japan

Agenda

Monday November 22

- 9:00 10:00 Registration
- 9:45 10:00 Plenary meeting/remarks K. Satake and T. Kato, ERI
- 10:00 10:15 Break
- 10:15 12:00 Group meeting
- 12:00 13:30 Lunch
- 13:30 15:30 Group Leader meeting
- 15:30 16:00 Break
- 16:00 16:35 Opening ceremony
- Opening address K. Satake, ERI
 - Opening address H. Harjono, LIPI
 - Opening address Y. Suzuki, Mext
 - Opening address Ibnu Hadi, Consul General
 - Welcome address S. Okaya, JST
 - Welcome address E. Irei, JICA
 - Welcome address H. Kimura, Hyogo Pref.
- 16:40 17:30 Special Reports on recent activities in Indonesia
- Special report on recent events (*H. Harjono*)
 - Special report on the Mentawai tsunami-earthquake (*K. Satake, A. Koresawa, Y. Nishimura, M. Sugimoto, P. Putra, E. Yulianto, H. Sunendar, H. Pradono and Pariatmono*)
 - Special report on the eruption of Melapi volcano (1) (*M. Hendorasto*)
 - Special report on the eruption of Melapi volcano (2) (*Y. Nishi, H. Yamamoto and M. Sukarno*)
- 17:40 18:00 Break
- 18:00 19:30 Reception

Tuesday November 23

- 8:30 10:05 Session 1-1
- G1 Summary (*T. Kato and H. Z. Abidin*)
 - G1-1 Paleoseismicity of the Lembang Fault, West Java (*Y. Awata*)

- G1-1 Late Quaternary activity of the Lembang Fault, West Java (*E. Yulianto*)
- G1-2 Several new findings of paleotsunami deposit in Simeulue Island and mainland Aceh (*E. Yulianto, Y. Nishimura and S. Fujino*)
- G1-2 Coral annual bands as a possible recorder for past earthquake and Tsunami (*T. Watanabe, T. E. Putra, E. Yulianto, A. Yamazaki and Y. Nishimura*)
- G1-3 Tectonic studies in West Java (Indonesia) using Global Positioning System (*H. Z. Abidin, I. Meilano, H. Andreas, T. Kato, C. Subarya, I. Gumilar, M. Gamal, T. P. Sidiq, and H. Haryono*)
- G1-3 Inter-plate coupling and strain accumulation along faults in north Sumatra, Indonesia, detected by GPS Measurements at AGNeSS (Aceh GPS Network for Sumatran Fault System) (*F. Kimata, E. Gunawan, T. Ito, T. Tabei, Irwandi, D. Sugiyanto, I. Meilano and Agustan*)

10:05 10:25 Break

10:25 11:50 Session 1-2

- G1-4 Strong ground motion evaluation for the 2006 Yogyakarta earthquake: (1) Source model (*K. Koketsu and Y. Kawazoe*)
- G1-4 Estimation of Bandung Basin Structure Using Microtremor Observations (*Afnimar*)
- G1-5 Investigation of submarine active faults off northwest of Sumatra – present and past – (*K. Hirata*)
- G1-5 Structural pattern of the Aceh Fore Arc and Outer Arc High Revealed from bathymetric multichannel seismic reflection (*Yusuf S. D.*)
- G1-6 The 2006 Pangandaran Tsunami and Hypothetical Tsunami on Cilacap (*H. Latief and Y. Tanioka*)

Discussion

11:50 13:30 Lunch & Poster viewing

13:30 15:30 Session 2

- G2 Summary (*M. Iguchi and Surono*)
- G2-1 Change of activity of Semeru volcano (*M. Hendrasto, Surono, U. Rosadi, H. Kuswandartom, M. Iguchi and T. Nishimura*)
- G2-1 Volcano inflation associated with eruptions at Semeru volcano; (*T. Nishimura, M. Iguchi, R. Kawaguchi, Surono, M. Hendrasto and U. Rosadi*)
- G2-2 Seismic activity in and around Guntur volcano, West Java, Indonesia (*H. Triastuty, Surono, M. Hendrasto, S. Hidayati, A. Loekman, A. Basuki, M.*

Iguchi and T. Ohkura)

- G2-3 Explosive eruptions associated with Batur caldera, Bali (*R. Furukawa, A. Takada, K. Toshida, S. Andreastuti, N. Kartadinata, A. Heriwaseso and O. Prambada)*
- G2-3 The importance of lithostratigraphy identification in caldera formation: Batur Caldera study case (*S. D. Andreastuti, N. Kartasasmita, A. Waseso and Yudi)*
- G2-4 Long-term forecasting of volcanic eruption and design of volcano monitoring at Kelud Volcano, Java, Indonesia (*K. Ishihara, Surono, M. Hendrasto and S. Hidayati)*
- G2-4 Cancelled; New activity of Sinabung volcano, North Sumatra, Indonesia after dormancy of more than 400 years and evaluation of the activity (*Surono, M. Hendrasto, A. Budianto and Kristiant)*

Discussion

- Poster G2-3 K-Ar ages and long-term distribution of volcanic activity around calderas in Bali and East Java (*K. Toshida, S. Takeuchi, R. Furukawa, A. Takada, S. Andreastuti, N. Kartadinata and A. Heriwaseso)*
- Poster G2-2 Ground deformation of Guntur volcano, West Java, Indonesia by continuous GPS observation (*T. Ohkura, M. Iguchi, U. Rosadi and M. Hendrasto)*

15:30 15:50 Break

15:50 17:50 Session 3

- G3 Summary (*F. Imamura and M. H. Pradono)*
- G3-1 Tsunami Hazard Map of Padang City (*Febrin A.)*
- G3-1 Progress of tsunami mitigation at Padang (*F. Imamura, Muhari and M. Sugimoto)*
- G3-2 Tsunami countermeasure by using natural method in Indonesia (*Subandono D.)*
- G3-2 Effect of tsunami reduction by coastal forest considering with tree growth (*K. Harada, H. Matsutomi and B. Widagdo)*
- G3-2 Physical modeling of tsunami run up (*B. Widagdo)*
- G3-3 Investigation of Geological and Geophysical Properties of Surface Soils in Bantul and Padang (*K. Tokimatsu and H. Suzuki)*
- G3-4 Investigation of design ground motion and implementation of earthquake safer housing (*J. Kiyono and K. Meguro)*

Discussion

17:50 17:55 Remarks (*T. Kato)*

Wednesday November 24

8:30 10:15 Session 4

- G4 Summary (*M. Takahashi and D. Hidayati*)
- G4-1 Management of Basic Need Provision for Disaster Victims: Lessons Learned from Bantul Earthquake (*D. Hidayati, Widayatun, H. Permana, Triyono, M. Takehashi, U. Masatomo, and S. Tanaka*)
- G4-1 Landform Influence to Livelihood Pattern in Earthquake Affected Area of Bantul, Indonesia (*D. Mardiatno, S. A. Dalimunthe, S. R. Giyarsih, G. Samodra, M. Umitsu, S. Tanaka and M. Takahashi*)
- G4-2 Social Resilience and Memory: Adaptation Mechanisms in the Post-tsunami Reconstruction in Aceh, Indonesia (*H. Yamamoto and Y. Nishi*)
- G4-2 Our grandfathers tell us, we live in a place of earthquake and tsunami (*E. Yulianto*)
- G4-3 Seismic Countermeasures of Water Supply System Considering Water Demand in Indonesia (*Y. Kuwata, N. Maki, Y. Karatani, M. Dirhamsyah and K. S. Pribadi*)
- G4-3 Restructuring Indicators of Tsunami Readiness for High Populated Cities in Indonesia (*Harkunti P. R. and S. Nasu*)
- G4-4 Disaster Warning and Evacuation Behavior: the Case of Mt. Kelud in 2007 (*D. Pelupessy, Y. Jibiki, N. Sekiya and A. Tanaka*)

Discussion

10:15 10:30 Break

10:30 12:20 Session 5

- G5 Summary (*Y. Ogawa and I. Rafliana*)
- G5-1-1 School-based Disaster Preparedness Model in Aceh, a Demonstrative Work in Institutionalizing Preparedness in Schools (*I. Rafliana and M. Ikeda*)
- G5-1-2 School Watching: "Capacity and Vulnerability Identification (Lessons Learn from Three School in Indonesia)" (*Triyono*)
- G5-1-3 Tsunami Evacuation Simulation for Disaster Awareness Education and Mitigation Planning of Banda Aceh City (*A. Muzailin and Y. Goto*)
- G5-1-4 Multiple approach to raise awareness of disaster after the 2004 tsunami (*M. Sugimoto*)
- G5-2 Making A Learning Book of Tsunami Preparedness Based on 2004 Indian Ocean Tsunami Experiences in Aceh (*Y. Hayashi*)
- G5-2 Sub-Group 5.2 activities in 2009-2010: earthquake and tsunami education in Indonesia (*Munasri*)

Discussion

- Poster G5-1-2 Citizen's Participatory Approach on Disaster Awareness in Indonesia (*Y. Ogawa*)
- Poster G5-1-3 Evacuation response of the people in Meulaboh after the May 9, 2010 earthquake (*Y. Goto, A. Muzailin, N. Yudha and Y. Diyah*)

12:20 13:20 Lunch and poster viewing

13:20 14:45 Session 6

- G6 Summary (*A. Koresawa and Pariatmono*)
- G6 Linking Research Results to Policy (*Pariatmono and A. Koresawa*)
- G6 Indonesia early warning system through communication and information media (*I. Siswoyo*)
- G6 The policy of home affairs on disaster management in Indonesia (*Y. Ramli*)
- G6 Lesson learned from the establishment of Indonesia tsunami early warning system (InaTEWS) (*P. Harjadi*)

Discussion

Wrap-up

14:45 15:00 Break

15:00 16:50 Open Session

- Summary of the Workshop (*K. Satake; ERI, the University of Tokyo*)
- Community Based Disaster Management (The Experience of Bantul District during the Rehabilitation, Reconstruction and Reconciliation Phase) (*Riyantono; BAPPEDA, Bantul Reg.*)
- Disaster risk reduction and recovery from earthquake: A west Sumatra case (*R. Syahni; BAPPEDA, W. Sumatra Prov.*)
- Disaster Management in Hyogo -After the Great Hanshin-Awaji Earthquake- (*M. Murata; Hyogo Pref.*)

Discussion

16:50 17:00 Closing remarks

Thursday November 25

8:30 17:00 Excursion