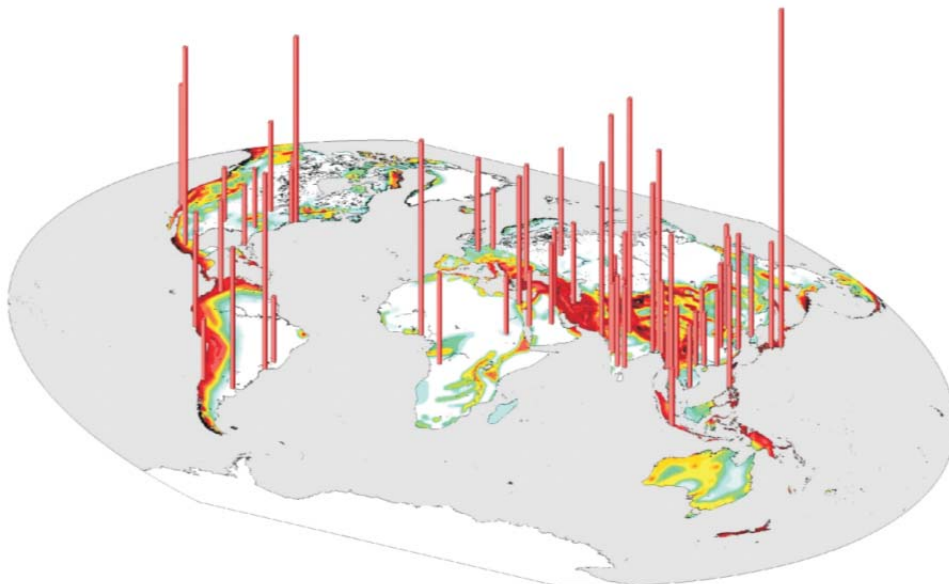




ASEAN Training Course
19th November – 1st December 2012, Jakarta/Indonesia

Earthquake Monitoring, Tectonic Deformation, Seismic Zoning Methods and Tsunami Early Warning

Circular and Programme



Organized and funded by:



Helmholtz Centre Potsdam
German Research Centre for Geosciences - GFZ



The Agency for Meteorology, Climatology and Geophysics, Republic of Indonesia
(BMKG)

Co-funded by:



International Bureau
of the Federal Ministry of Education and Research (BMBF)

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|---|------------|--|
| 17.11.2012 Saturday | | Arrival Participants |
| 18.11.2012 Sunday | | Bus from Jakarta to Citeko |
| TENTATIVE PROGRAMME Venue: Citeko, West java | | |
| 19.11.2012 Monday | | |
| 9:30 – 11.30 | | Opening Session (<i>Press invited</i>) <ul style="list-style-type: none"> • Organizing Committee – BMKG • Dr. Claus Milkereit – GFZ • Dr. Alexander Lim, Head of Science and Technology Division of ASEAN Secretariat • Dr Sri Woro B. Harijono, Director General of BMKG |
| 11:30 – 12:00 | | Group Photo |
| 12:00 – 13:00 | | Lunch |
| 13:00 – 15:00 | | Keynote Speech <ul style="list-style-type: none"> • Dr. P. J. Prih Harjadi, Deputy Director for Geophysics (BMKG) InaTEWS – A status report • Dr. J. Lauterjung (GFZ), Dr. H. Letz (BMKG) Tsunami Early Warning in the Indian Ocean • Mr. A. Kodijat (UNESCO IOC) Wave2012 – Experiences • Dr. I. Jansen (DAAD) Research in Germany: Opportunities for International Cooperation |
| 15:00 – 15:30 | | Coffee break |
| 15:30 – 17:30 | | <ul style="list-style-type: none"> • Dr. Pariatmono (RISTEK) International Cooperation for Disaster Prevention • Dr. Sri Widianoro (ITB) Seismology in the ASEAN region • H. Spahn (GIZ) "The Last Mile" |
| 20.11.2012 Tuesday | | |
| 8.30 – 10.00 | 1.1 | Dr. C. Milkereit, Dr. A. Strollo Aims and fundamentals of seismology |
| 10.30 – 17.00 | 1.2 1.3 | Dr. A. Strollo / Gempa <ul style="list-style-type: none"> • Introduction into SeisComp3 • SeisComp3 Playback Example / Demonstration |

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| | 1.4 | <ul style="list-style-type: none">SeisComp3 Real Time Data |
| 21.11.2012 Wednesday | | |
| 8.30 – 10.00 | 1.5 | Dr. C. Milkereit, Dr. A. Strollo Phase interpretation and methods of event location Earthquake magnitudes and energy estimates |
| 10.30 – 12.00 | 1.6 | Dr. A. Strollo / M. Günther / Dr. C. Milkereit Seismological Instrumentation |
| 13.30 – 17.00 | 1.7 1.8 | Dr. A. Strollo / Gempa <ul style="list-style-type: none">SeisComp3 Playback Example / DemonstrationIntegration of new seismic stations into SeisComp3 Real Time Data |
| 22.11.2012 Thursday | | |
| 8.30 – 10.00 | 1.9 | Dr. C. Milkereit, Dr. A. Strollo Earthquake magnitudes and energy estimates |
| 10.30 – 17.00 | 1.10- 1.12 | Dr. A. Strollo / M. Günther / Gempa Exercises on Instrumentation and Seismic Data Analysis |
| 23.11.2012 Friday | | |
| 8.30 – 10.00 | 1.13 | Dr. A. Strollo/ M. Günther/ Gempa Exercises on Instrumentation and Seismic Data Analysis |
| 10.30 – 12.00 | 1.14 | Dr. A. Strollo/ M. Günther/ Gempa Exercises on Instrumentation and Seismic Data Analysis |
| 13.30 – 15.00 | 1.15 | Nyoman Sukanta / Muzli Strong Motion Data |
| 15.30 – 17.00 | 1.16 | Muzli Exercise on Strong Motion Data Analysis |
| 24.11.2012 Saturday | | |
| Travel to Jakarta; Visit of Taman Mini | | |
| 25.11.2012 Sunday | | |
| Free Time | | |

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| Venue : Jakarta | | |
|---------------------------------------|--------------------------|---|
| 26.11.2012 Monday | | 1 st Floor, Operational Management Building |
| 8.30 – 17.00 | 2.0 2.1 2.2 2.3 | Dr. A. Babeyko <ul style="list-style-type: none">• Geodynamic and Subduction• Earthquakes and Surface Deformation• Tsunamis• Exercises on Tsunami generation with Process Simulator |
| 27.11.2012 Tuesday | | 1 st Floor, Operational Management Building |
| 8.30 – 12.00 | 2.4 2.5 | Dr. C. Subarya <ul style="list-style-type: none">• Basics of GPS• GPS Instrumentation |
| 13.30 – 18.00 | 2.6 2.7 | Dr. A. Babeyko <ul style="list-style-type: none">• Tsunami Early Warning: Principles and Components I• Tsunami Early Warning: Principles and Components II |
| 28.11.2012 Wednesday | | 3rd Floor, Tsunami Warning Center Room, Operational Building |
| 8.30 – 12.00 | 2.8- 2.9 | Dr. A. Babeyko Earthquakes and Tsunamis: Exercises with GUITAR |
| 13.30 – 17.00 | 2.10 2.11 | T. Schöckel <ul style="list-style-type: none">• Early Warning Infrastructure at BMKG• Decision Support System Drs. Suhardjono / Dr. Wandono <ul style="list-style-type: none">• Earthquake monitoring and Tsunami Warning• Experience on April 11, 2012• "Source Mechanism as a Challenge for Tsunami Warning"• Level Warning for Double shock of Earthquake• Discussion: Format Earthquake information and Tsunami message to ASEAN countries |
| 29.11.2012 Thursday | | 3rd Floor, Tsunami warning Center Room, Operational Building |
| 8.30 – 12.00 | 2.12 | Dr. A. Babeyko, NN (DLR) Exercises at BMKG Training Room I |
| 13.30 – 17.00 | 3.0 3.1 | Dr. S. Parolai <ul style="list-style-type: none">• Seismic Hazard Assessment and Risk estimation• Introduction – Ground shaking site effects |

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|-------------------------------------|-------------------|---|
| 30.11.2012 Friday | | 1 st Floor, Operational Management Building |
| 8.30 – 15.00 | 3.2 3.3 3.4 | Dr. S. Parolai, Dr. D. Bindi <ul style="list-style-type: none">• Instrumental Microzonation (H/V, Noise measurements, Array, Vertical Arrays)• Early Warning System• Introduction into seismic risk and loss assessment methods |
| 15.00 – 16.30 | 3.5 | Prof. Masyhur Irsyam, PhD / Pandhu Mahesworo |
| 16.30 – 17.00 | | Closing of the Workshop |
| 1.12.2012 Saturday | | Departure of Participants |
| 2.12.2012 Sunday | | Departure of Participants |