

APEC-EqTAP SEMINAR ON EARTHQUAKE AND TSUNAMI DISASTER REDUCTION

Jakarta, Indonesia (Hotel Nikko Jakarta)

September 27-28, 2005

Information Note

Objectives:

- (1) The Seminar is intended to disseminate information on earthquake and tsunami disaster reduction technologies to the APEC member economies with solid considerations upon their "implementation strategies." The Seminar will address useful technologies on 1) Tsunami disaster reduction, 2) Disaster management, 3) Seismic enhancement of masonry buildings and houses, 4) Information dissemination, and 5) Education.
- (2) The technologies discussed herein were developed through the EqTAP Project. The project was APEC - ISTWG based multilateral research project (funded by Japanese Government (the Special Coordination Funds for Promoting Science and Technology: April 1999 - March 2004). They are accomplishments from the collaboration between the Japanese researchers and the counterpart researchers and stakeholders from 16 APEC Economies. The Seminar is being planned as an information feed-back activity to the APEC region.
- (3) The significance of the technologies will also be reviewed in the light of the disasters caused by the Sumatra Earthquake and Tsunami Disaster.
- (4) In order to highlight the implementation aspects of the technologies discussed herein, the presentations on the individual technologies will be made by companion speakers: one of them will describe the developments and contents of the technology, and the other will emphasize their activities and perspectives on its application.

Date and Venue of the Seminar:

27-28 September 2005, Jakarta, Indonesia (Hotel Nikko Jakarta)

Organizers:

- * Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan
- * Ministry of Foreign Affairs (MOFA), Japan
- * National Research Institute for Earth Science and Disaster Prevention (NIED), Japan
- * Port and Airport Research Institute (PARI), Japan
- * Ministry of Research and Technology of the Republic of Indonesia (RISTEK)
- * Agency for the Assessment and Application of Technology (BPPT), Coastal Dynamics Research Center, Indonesia

Overseers: Takashi Fujii, MEXT (t-fujii@mext.go.jp) and
Hiroyuki Kameda, NIED (kameda@bosai.go.jp)

APEC Framework of the Seminar:

The APEC-EqTAP Seminar is proposed by Japan as an urgent OA funded project 2005 of the ISTWG, co-sponsored by Indonesia, Republic of Korea and Chinese Taipei. The Seminar will be a significant contribution to the "APEC's Strategy on Response to and Preparedness for Emergency and Natural Disasters."

In the APEC's Strategy on Response to and Preparedness for Emergency and Natural Disasters submitted by SOM Chair, the ISTWG was instructed to intensify its efforts in enhancing disaster management capacity building, educating our population from their respective perspective for natural disaster reduction and salvation skills, increasing public awareness of importance of disaster preparedness, strengthening information exchange regime and compiling the best practices.

As the ISTWG had carried out the EqTAP project on disaster mitigation for Asia-Pacific region (project period: April 1999 - March 2004), the experiences of the Sumatra Earthquake & Tsunami Disaster on 26 December 2004 and the subsequent earthquake disaster on 28 March 2005 have demonstrated the urgent need to apply the outputs of the EqTAP project to practice, such as the greenbelt technology for tsunami disaster reduction and the seismic strengthening technology for brick masonry houses. From these viewpoints, the ISTWG proposes this seminar as a valuable contribution to both disaster management capacity building and enhancement of preparedness for natural disasters of the APEC member economies.

Target Audience:

The expected audiences are practitioners from APEC member economies including:

- *Central and local government officials
- *Community leaders
- *House owners
- *Commercial building owners
- *Media
- *Experts (disaster managers, engineers, researchers)

Expected Outcomes

Through this Seminar, practical information including the outputs from the EqTAP project which provide a set of useful disaster reduction technologies will be disseminated to practitioners as well as researchers in the APEC economies. Also in this seminar, the importance of implementation-oriented research and development will be clearly addressed, which will arouse attention of stakeholders to require paradigm shift in research and development policies and project management. That will fill the gaps between theory and practice for dissemination of risk information and knowledge transfer on disaster reduction technologies among stakeholders and others, and will help the APEC economies enhance their

disaster management capabilities against earthquakes and tsunamis.

Venue

Hotel Nikko Jakarta (Jalan MH Thamrin 59 Jakarta 10350, Indonesia)

TEL: +62-21-230 1122, FAX: + 62-21- 314 3631

URL: <http://www.nikkojakarta.com>

Admission

The Seminar is admission-free. But all participants should be pre-registered.

Travel Notice

Travel expenses and accommodation fee should be self-supported by participants.

Registration

All participants are required to complete the registration form (Annex B) and send it via **email** by 15 August 2005 to:

Earthquake Disaster Mitigation Research Center, NIED, JAPAN

Tel: +81-78-262-5525

Email to: sakairi@edm.bosai.go.jp

Be sure to CC to t-fujii@mext.go.jp; kameda@bosai.go.jp.

On your registration, the local organizing committee in Indonesia will send you an invitation letter.

Accommodation

The Seminar secretariat secures about 50 rooms of the Hotel Nikko Jakarta at discount rates of :

* Single superior room: US\$45 (US\$54.45 incl. tax & service)

* Twin superior room : US\$45 (US\$54.45 incl. tax & service)

* Single deluxe room w. high speed internet : US\$85 (US\$102.85 incl. tax & service)

* Twin deluxe room w. high speed internet : US\$85 (US\$102.85 incl. tax & service)

You will receive instructions and a reservation form from the local organizing committee after you register for participation in the Seminar.

Visas

Please check with the Indonesian Embassy in your country whether you are required to obtain your visa before your travel. Please go through the necessary procedures.

The visa information can be obtained from the web site of the Department of Foreign Affairs, Republic of Indonesia. <http://www.deplu.go.id/2005/>

Please let us know (send e-mail to: sakairi@edm.bosai.go.jp; kameda@bosai.go.jp) in case you need specific visa assistance.

(Annex A)

APEC – EqTAP Seminar on Earthquake and Tsunami Disaster Reduction

Date: September 27-28, 2005

Venue: Jakarta, Indonesia (Hotel Nikko Jakarta)

(Tentative Program)

----- [Day 1] -----

1. Opening Addresses (Chair: Hiromichi Higashihara / EDM-NIED)
9:00–9:30 MEXT Representative (Japan), Ambassador of Japan to Indonesia, Minister of Research and Technology (Indonesia)
2. Overview of the Issue (Chair: Dinar Catur Istiyanto CDRC-BPPT)
9:30–10:00 (1) On the EqTAP project and framework of the seminar -(Hiroyuki Kameda / NIED)
(2) Regional perspective of earthquake and tsunami disasters in the APEC regions:
10:00–10:30 a. Policy issues - (William Anderson / US-NAS)
10:30–10:50 (coffee break)
10:50–11:20 b. Tsunami disasters - (Fumihiko Imamura / Tohoku Univ. / invited)
11:20–11:50 c. Earthquake disasters - (Ye Yaoxian / CADRG)
11:50–13:30 (lunch)
3. Earthquake and Tsunami Disaster Reduction Technologies (Part-1) (Chair: Pennung Warnitchai / AIT)
(1) Tsunami disaster reduction technologies:
13:30–14:00 a. Greenbelt technique (Indonesia case) (Tetsuya Hiraishi / PARI, Widjo Kongko, CDRC-BPPT + Subandono Diposaptono / Coastal Protection in Indonesia)
14:00–14:30 b. Discussion on effects of mangroves (Indian Ocean tsunami case) (Faizal Parish / GEC)
(2) Disaster reduction planning technologies & information sharing
14:30–15:00 a. Sharing lessons and experiences on tsunami disaster (PNG case) (Isao Hayashi / NME + Michael Kisombo / Nat'l Mus. PNG)
15:00–15:30 b. Disaster reduction planning in local governments (Marikina, Philippine case) (Norio Maki / Kyoto Univ., Michiko Banba / EDM + Julie M. Borje / City of Marikina)
15:30–15:50 (coffee break)
15:50–17:00 4. Panel Discussion – 1 (Moderator: Norio Okada / DPRI- Kyoto Univ.)
- 18:00–20:00 (reception)

----- [Day 2] -----

5. Memorial Session for Dr. Raymundo U. Punongbayan (Chair: Fumio Yamazaki / Chiba Univ.)
8:30–8:40 (1) EqTAP with Ray (Hiroyuki Kameda / NIED)
8:40–9:00 (2) PHIVOLCS Representative (Renato U. Solidum / PHIVOLCS)
6. Earthquake and Tsunami Disaster Reduction Technologies (Part-2)
(3) Seismic enhancement of masonry buildings and houses (Chair: T. C. Pan / Nanyang Technical Univ.)

- 9:00–9:30 a. Issues on protecting human lives from masonry houses as lessons from the Sumatra Earthquakes of December 2004 and March 2005 (Teddy Boen)
- 9:30–10:00 b. Seismic retrofit of existing masonry buildings (China case) (Tetsuo Kubo / Univ. Tokyo + Xilin LU / Tongji Univ.)
- 10:00–10:30 c. Design enhancement of composite masonry buildings (China case) (Norio Inoue / Tohoku Univ. + Cai Xianhui / Dalian Univ. Tech.)
- 10:30–10:50 (coffee break)
- (4) Information dissemination (Chair: Renato Solidum / PHIVOLCS)
- 10:50–11:20 a. Remote sensing technology (Indian Ocean tsunami case) (Fumio Yamazaki / Chiba Univ. + Supapis Polngam / GISTDA)
- 11:20–11:50 b. Microtremor technique for sounding urban vulnerability (Singapore case) (Yutaka Nakamura + T. C. Pan / Nanyang Technical University)
- 11:50–12:20 c. GIS data development for Metro Manila (Manila, Philippine case) (Shigeru Kakumoto / KEDM + MMDA)
- 12:20–14:00 (lunch)
- (5) Education (Chair: Tetsuo Kubo / Univ. Tokyo)
- 14:00–14:30 a. E-learning for earthquake disaster reduction (Thailand, Singapore, Philippine case) (Yoza Fujino / Univ. Tokyo + Pennung Warnitchai / AIT)
- 14:30–15:00 b. Internet on-line testing & analysis and higher education (Korea and international network) (Eiichi Watanabe / Kyoto Univ. + Chung Bang Yun / KAIST)
- 15:00–15:30 c. Seismic strengthening demonstration - PNY Project, Gujarat EQ (India case) (Rajib Shaw / Kyoto Univ.)
- 15:30–15:50 (coffee break)
- 15:50–16:50 7. Panel discussion – 2 (Moderator: Neil Britton / EDM-NIED)
- 16:50–17:00 8. Closing Address
NIED President, MRT Representative

**Seminar adjourned (questionnaire to be collected from the audience)

(Annex B)

Registration FORM

APEC-EqTAP SEMINAR ON
EARTHQUAKE AND TSUNAMI DISASTER REDUCTION

Jakarta, Indonesia (Hotel Nikko Jakarta)
September 27-28, 2005

Please type or use block letters, and return this form at your earliest convenience
but **before 15 August 2005**

Contact details

Family name: First name:
Gender: male female APEC Economy:
Professional title: Institution:
Mailing address
Street: Postal code: City:
.....
Country:
Telephone: Fax: Email:

**Please return the registration form via e-mail to: sakairi@edm.bosai.go.jp (TEL:
+81-78-262-5525, FAX: +81-78-262-5526)**

Be sure to CC it to: t-fujii@mext.go.jp; kameda@bosai.go.jp