The training course “Global Seismological Observation”

Tatsuhiko Hara
International Institute of Seismology and Earthquake Engineering, Building Research Institute, 1 Tatehara, Tsukuba, Ibaraki, 305-0802 JAPAN (e-mail: thara@kenken.go.jp)

Course objective and overall goal

The International Institute of Seismology and Earthquake Engineering of the Building Research Institute (hereafter referred as the IISEE) has been providing a training course entitled “Global Seismological Observation” in cooperation with Japan International Cooperation Agency (JICA) and Japan Meteorological Agency (JMA) since 1995.

The course objective is to nurture personnel who have knowledge and advanced techniques of global seismological observation and are able to play important roles in the monitoring system for nuclear tests. The overall goal is to contribute to promotion for the Comprehensive Nuclear Test Ban Treaty (CTBT) to take effect. In this presentation, we would like to introduce our training course.

Course Duration and Number of Participants

The course duration is about two months and the IISEE gives this training once every year for participants from developing countries. The number of participants is around ten every year. In total, 139 participants from 69 countries have participated in our training course by March, 2009.

How to apply to this training

The general information (GI) of this training is distributed to each developing country through JICA. JICA recives applications through their local office or Japanese embassy.

Course Outputs and Programs

We set the following four expected outputs for participants of this course.

1. acquiring knowledge of the CTBT regime and the role of seismology in the International Monitoring System
2. understanding global seismological observation technologies for monitoring nuclear tests and earthquakes
3. acquiring data analytical techniques to discriminate nuclear tests from natural earthquakes
4. making action plans on ways how they utilize their knowledge after the training course

The course program have the following lectures, exercises, presentations, observations, and study trips corresponding to these outputs, respectively.

Lecturers and collaboration with IMS/IDC

Lectures are given by lecturers from JMA, Japan Weather Association (JWA), Japan Agency for Marine-Earth Science and Technology (JAMSTEC), National Research Institute for Earth Science and Disaster Prevention (NIED), Tsukuba University, and IISEE staff members.

Since 2003, lecturers from the IMS and/or the IDC (International Data Center) have visited us to provide a lecture entitled “Characteristics and Progress Status of the International Monitoring System of the CTBTO”, which are very effective to improve understanding of participants on the CTBT, the IMS and the IDC.

List of IMS/IDC lecturers

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<tr>
<th>Year</th>
<th>Lecturer</th>
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<tr>
<td>2004</td>
<td>Dr. Single (JAMSTEC)</td>
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<td>2005</td>
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<td>2008</td>
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Each country

- JICA local office/Embassy of Japan
- Japan
- Institute
- Institute
- Government
- Embassy of Japan

Japanese

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