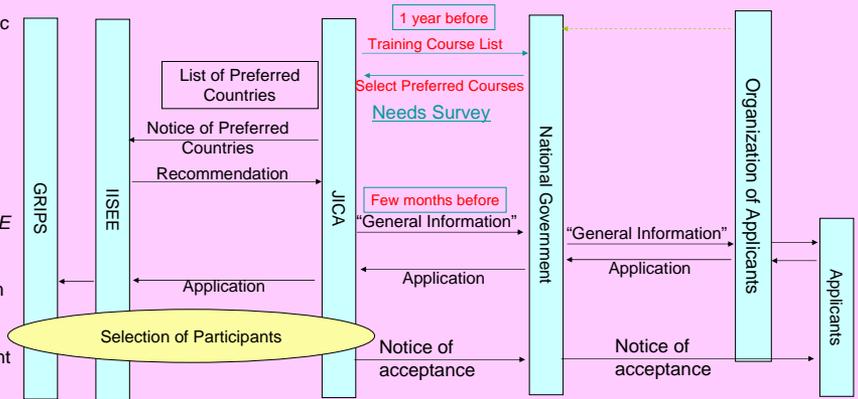


Application for the *IISEE* training courses is made through the national government of the applicant to the *JICA* overseas offices or Japanese diplomatic missions, which provide information on application and status, procedures, and allowance and expenses of participants during the training courses. **Direct application from individuals or organizations can be accepted only if you don't need *JICA* scholarship.**

*JICA*'s recruitment is done under the name of **Group Training Course "Seismology, Earthquake Engineering and Disaster Mitigation"** for the **Seismology and Earthquake Engineering Sub-courses**. For the **Tsunami Sub-course**, the *JICA*'s recruitment is done under the name of **Region-Focused Training Course "Tsunami Disaster Mitigation"**. Besides of Annual Course, *IISEE* provides Global Course with about two months duration for which *JICA* recruits under the name of **Group Training Course "Global Seismological Observation"**.

Application can be made a few months before the course begins only from the countries that have received *JICA*'s "**General Information (GI)**" for these course, i. e., a document describing the implementation plan and curricula of each course for respective year. The countries to which **GI** is sent for recruitment are selected based on **Needs Survey** about one year before the course begins. Each country's national government selects its preferred courses on the list offered by *JICA*. If the national government recognizes the importance of Seismology, Earthquake Engineering and Disaster Mitigation including those due to Tsunami and selects one of *IISEE*'s courses in the course list, this country is put on the list of preferred countries for the course. From this group, *JICA* selects the countries by considering the capacity of the organizations that execute the training in Japan and sends **GI** to the selected countries. Application, then, becomes possible for these countries. This procedure is repeated every year to consider the newest requests of the developing countries.

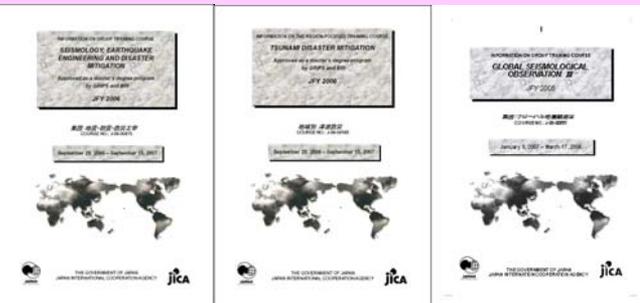


It is recommended for the organizations that wish to send personnel to *IISEE*'s courses to communicate well with the respective department or bureau of the national government and let the persons in charge comprehend the importance of the respective study fields beforehand. For the individuals who wish to participate *IISEE*'s training course, it is recommended to communicate well with their chief on job and the executives of their organizations and let them comprehend the benefit obtained by sending their personnel to the courses beforehand.

## Qualifications of Applicants:

Applicants should:

- (1) be nominated by their government in accordance with the procedures
- (2) be university graduates in Seismology, Earthquake Engineering, Tsunami or Their Disaster Mitigation, or be university graduates in Science and Technology other than the above mentioned subjects with professional experience of three or more years in the field of Seismology, Earthquake Engineering, Tsunami or Their Disaster Mitigation
- (3) be well versed in advanced mathematics such as differentiation and integration, partial derivatives, differential equations, matrix, vector algebra, Fourier analysis, etc
- (4) be able to write research reports on the individual study in English
- (5) have a good command of English --- over 550 points of Paper-based Total or over 213 points of Computer-based Total in TOEFL, or equivalent  
\*Applicants with these scores normally can give and understand detailed directives or instruction with technical terms
- (6) be over 22 and under 40 years of age
- (7) be in good health to undergo the course of training (Please be fully understand that the training over a long period like this course may pose risks to pregnancy)
- (8) not be military personnel



Examples of "General Information" for JPY 2006.

## Required Documents at Application:

- (1) **Nomination Form:** One (1) original and three (3) copies
- (2) **Application Materials for GRIPS/BRI Master Program**  
Application Form provided by *JICA* overseas offices  
Certificate of Health  
Certificate of Employment  
Two letters of Recommendation (one given by the chief on job, another by the supervisor in university)  
Official Transcripts or Official Copy of Transcripts  
Official Copy of Diploma or Degree Certificate  
Official Document Certifying English Proficiency
- (3) **Inception Report:** Each applicant is required to originally write and prepare a typewritten Inception Report by him/herself in accordance with the Instruction for the Preparation .



## Individual Studies

The last three and half months of the annual training course are assigned for the individual study period in that each participant makes a research on a specific subject deeply and writes an original report under supervisors of *IISEE*, universities and research institutes. This individual study report is evaluated as a Master Report of *GRIPS*'s master program. Topics of the individual studies are decided by the participants themselves in discussion with *IISEE* staff members.

The preparation is started from the beginning of the training course by advisory and consultancy on the study of basic subjects like mathematics, computer and so on. Then, it is gradually shifted to the guidance for seismological subject and for reviewing the principal scientific or technical papers firmly related with topic selected.

The topics can be selected from wide research fields of Seismology, Earthquake Engineering, Tsunami and their Disaster Management.

In recent years, participants have selected research topics categorized in the below listed research fields. Participants in future can select topics that are not included in the list below. *IISEE* staff members will assist them as much as possible.

### Seismology Sub-Course

- Seismometry
- Hypocenter Relocation & Seismicity
- Crust and Upper Mantle Structure
- Earthquake Source Process
- Microtremor Array/ Single Station Measurement
- Site Effect Estimation
- Strong Motion Prediction
- Earthquake Geology
- Seismo-Tectonics
- Seismic Hazard Assessment
- Seismic Microzonation
- Volcanic Seismology

### Earthquake Engineering Sub-Course

- Seismic Code
- Seismic Retrofitting/ Rehabilitation
- Structural Test
- Structural Dynamics
- Seismic Performance Evaluation
- Seismic Response Control
- Seismic Evaluation/ Diagnosis
- Quick Damage Inspection
- Foundation Engineering
- Soil-Structure Interaction
- Geotechnical Engineering including Liquefaction
- Engineering of Non-Structure Elements
- Earthquake Loss Estimation

### Tsunami Sub-Course

- Tsunami Hazard Assessment
- Tsunami Early Warning System
- Tsunami Simulation
- Tsunami Run-Up Height and Coastal Characteristics
- Tsunami Risk Evaluation

## Life of Participants in Tsukuba:

*IISEE* provides:  
Lectures, Practices & Exams.  
Laptop PC for each person (lent)  
Full & Free Internet Connection  
Free Photocopy facility  
Stationery  
Bicycles  
Library full of major journals  
Every other necessary things  
for the training

*JICA Tsukuba* provides:  
Single room with Internet Connection for each person  
Gymnasium  
Bicycles  
Restaurant with Hotel's chef.  
**! Halal Food Available !**  
Medical Care Service

Contact IISEE

[iisee@kenken.go.jp](mailto:iisee@kenken.go.jp)

for more information!