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## Latin American Earthquake Engineering course has started

By Mr. Takahiro YAMADA, Head of Administration Division, IISEE, and Dr. Haruhiko Suwada, Senior Research Scientist, IISEE

Due to Covid-19, IISEE conducts Latin American Earthquake Engineering Course in 2022 fully online again as last year. There are 10 participants include 3 executive officers from 4 countries such as Colombia (2), Mexico (1), Nicaragua (5) and Peru (2).

The opening ceremony of Latin American Earthquake Engineering Course was held online on Thursday, May 12.

Ms. Emiko MUTSUYOSHI, Director General of JICA Tsukuba and Dr. Takao SAWACHI, the President of BRI made their welcome speeches. Mr. LOZANO LOZANO Carlos Fernando from Colombia made a speech on behalf of all the participants.

This course had started from 2014 which is executed in the aim of reducing damages from future earthquakes by enhancing and disseminating the earthquake-resistant technology in the participants' countries.

There were 104 participants from 11 countries had joined Latin



Ms. Emiko MUTSUYOSHI,  
Director General of JICA  
Tsukuba



Dr. Takao SAWACHI,  
the President of BRI



Mr. LOZANO LOZANO Carlos  
Fernando from Colombia

## IISEE Net and Training

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IISEE-UNESCO Lecture Note

IISEE E-learning

Synopsis Database

Bulletin Database

## Earthquakes

The 2011 off the Pacific coast of Tohoku Earthquake

Reports of Recent Earthquakes

Utsu Catalog

Earthquake Catalog

American Earthquake Engineering course so far. Among them 14 executive officers from 7 countries.

Latin American Earthquake Engineering Course:

<https://iisee.kenken.go.jp/en/training/train/latin/>

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## Completion of Group Training and Start of Individual Study for Annual Training Program

By Dr. Bunichiro Shibazaki, Director of IISEE

Group training for the IISEE regular course for the academic year 2021-22 was completed on May 13. During the group training, participants were divided into three courses (seismology, earthquake engineering, and tsunami disaster prevention) and spent about eight months attending lectures and acquiring basic and applied knowledge in each field.

The 2021-22 course, like the previous one, started with all participants remaining in their home countries amid immigration restrictions due to the global coronavirus pandemic.

As of May 2022, 16 participants have been able to come to Japan. However, two others are participating remotely from their home countries. During the week starting April 16, we were also able to conduct a study trip to the Tohoku region.

The individual study began on May 16. Several participants will stay far from Tsukuba to receive individual study supervision. We hope that all participants will be able to obtain research results that will contribute to earthquake and tsunami disaster prevention in their home countries. We would like to express our respect for the efforts of the participants and our sincere gratitude to all the lecturers and supervisors.

Annual Training Course

<https://iisee.kenken.go.jp/en/training/train/annual/>

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## Report on Study Trip -IISEE Regular Course

By Mr. PRATAMA Wahyudi Nasrul from Indonesia, S-Course

IISEE participants experienced study trip this year. Seismology and Earthquake Engineering Course participants went together to Miyagi and Fukushima Prefecture on 18 April – 21 April 2022. For Seismology Course, a great lecture by Prof. Toru Matsuzawa from Tohoku University became the opening activity for this



## Call for Papers

IISEE Bulletin is now accepting submissions of papers for the seismology, earthquake engineering, and tsunami. Developing countries are targeted, but are not limited.

Your original papers will be reviewed by the editorial members and some experts.

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Try to challenge!!

study trip. Then, we visited many places during the study trip period.

In this study trip, we saw traces of the tsunami caused by the Tohoku earthquake 11 years ago. We could feel how terrible the event was. We extend our deepest condolences to all the victims of this disaster.

On the other hand, we got many things that could be used as lessons in dealing with this terrible disaster. The most interesting thing was when we saw Arahama Elementary School still standing strong facing the earthquake and tsunami, even though this school was very close to the beach, then the people came to this school to take it as a shelter. This point shows that the strengthening of the building is very important.

Then, we were very impressed because Japan clearly recorded the details of the Tohoku earthquake and tsunami in such a perfect way. All information related to this disaster were collected in museums and public facilities that we visited on this study trip. Japan had built awareness of the disaster through education to all of us. Thank you very much! Tsunami Tendenko! 😊

By Mr. PUTRA Yogha Mahardikha Kuncoro from Indonesia, T-Course

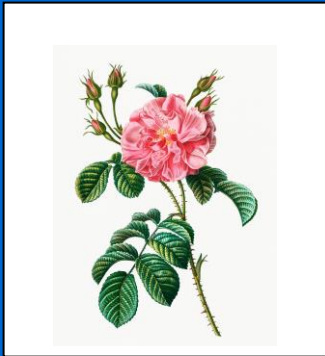
I am pleased to have the opportunity to take a study trip to Tohoku District. It was a great experience, and I not only just learned but also can see the nature and culture. All of the sensei, IISEE staff, and JICA coordinator are kind and very well guided us on this study trip.

I visited several tsunami disaster museums and memorial facilities, and then also got exercises to carry out tsunami surveys, such as looking for tsunami deposits and measuring the height of tsunami run-ups. I am amazed how the Japanese government was able to rebuild the area destroyed by the 2011 Great East Japan Earthquake disaster with good planning and considering the possibility of similar disaster events in the future. An example was building embankments on the beach or river and moving community settlements to higher locations. Evacuation routes and tsunami shelters were also well prepared by the Japanese government. I realized that this is not an easy job; it needs good cooperation between the Japanese government and local society. Furthermore, I am also amazed at how the Japanese government and community are able to transfer knowledge and experience of the tsunami disaster in a sustainable manner. They can make an excellent education system and utilize all the resources such as



myths and local wisdom to build the capacity to cope with earthquake and tsunami disasters.

I am sure that the knowledge and experience from the study trip will be helpful for my future work. I also hope to utilize the lessons learned and my experience from Japan to further contribute to my country Indonesia.



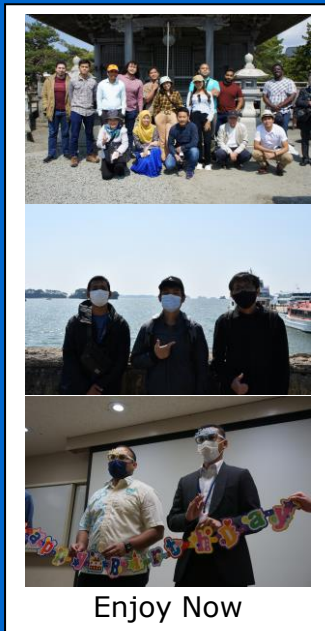
By Ms. CAMPOS CARRANZA Eugenia Guadalupe from El Salvador, E-Course

The study trip, which took place from 18 to 21 April, was focused on visiting disaster memorial facilities in two prefectures, Miyagi and Fukushima, in the Tohoku Region. The main objective was to learn about the experience and lessons from the affected areas of the M.9.0 Great East Japan Earthquake that also triggered a tsunami. Most of the facilities are located on the 3.11



“Densho road,” which refers to a network of exhibitions in Aomori, Iwate, Miyagi and Fukushima prefectures. To recall some of them, it is worth mentioning The Miyagi 3.11 Tsunami Disaster Memorial Museum. The incredible thing about this museum is that every detail represents something, such as the height of the roof on the north side (6.9m), which was the height of the tsunami when it struck the area; it also contains several memories of the disaster. Also impressive was the visit to Arahama Elementary School, where 320 lives were saved by being used as a shelter due to the director’s fast reaction. The place keeps the tsunami traces, and a clock stopped at 3:55 pm shows the exact time when the tsunami reached the school.

We improve our understanding of disaster management from the study trip through Japan’s experience. Some lessons are: the preparedness before the event, taking into consideration the local conditions is essential; during the event, a quick reaction is vital; we learn about “Tsunami Tendenko,” which means run away from the tsunami and put your life as a priority. Finally, after the event, do not forget the important lessons in order to save precious lives in the future.



Enjoy Now

## Contact Us

The IISEE Newsletter is intended to act as a go-between for IISEE and ex-participants.

We encourage you to contribute a report and an article to this newsletter. Please let us know your current activities in your countries.

We also welcome your co-workers and friends to register our mailing list.

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

## Back Numbers

<http://iisee.kenken.go.jp/nldb/>



Arahama Elementary School

## Visit to National Research Institute for Earth Science and Disaster Resilience (April 27)

By Dr. Hiroto Nakagawa, Senior Research Engineer, IISEE

Sixteen participants visited National Research Institute for Earth Science and Disaster Resilience (NIED) on April 27<sup>th</sup>. Three participants participated in the online lectures from their respective countries. First, they watched an introductory video of NIED, then observed the Large-scale Earthquake Simulator.

In the online lectures, a lecturer introduced the Network Center for Earthquake, Tsunami and Volcano and a high-density seismic observation network that comprises the Monitoring of Waves on Land and Seafloor (MOWLAS). The other two lecturers from the Earthquake Disaster Mitigation Research Division gave the lecture on their research activities related to seismic performance of structures based on the shaking table tests conducted by the Large-scale Earthquake Simulator and the Three-Dimensional Full-Scale Earthquake Testing Facility (E-Defense). The participants' high interests made active discussions.



National Research Institute for Earth Science and Disaster Resilience (NIED)