



JICA-DSP



WISE Program for Sustainability in the Dynamic Earth, Tohoku University



JICA Development Studies Program (JICA-DSP)

Various universities, in collaboration with JICA, have established JICA-DSP among the graduate school degree courses they offer. JICA-DSP consists of class subjects pertaining to the development experience of modern Japan (including the experience of Japan's own development and of its cooperation with other countries through official development assistance). This program offers JICA scholars a chance to deepen their understanding of Japan's development experience in the respective academic fields.



WISE Program for Sustainability in the Dynamic Earth

The "WISE Program for Sustainability in the Dynamic Earth" allows students to gain a comprehensive understanding of Earth and global environmental changes. The mission of this program is to impart knowledge on disaster mechanisms and prediction technologies. It aims to foster "knowledge professionals" who have foresight, advanced knowledge, flexible thinking, and excellent communication skills.

Tohoku University offers the JICA-DSP

<https://syde.tohoku.ac.jp/english/>

<https://syde.tohoku.ac.jp/english/student/syllabus/>

JICA-DSP offered by Tohoku University

PROGRAM OUTLINE

The “Disaster Risk Reduction (DRR) Leaders Capacity Development for the Sendai Framework Implementation” is targeted at future leaders in the field of DRR in developing countries, and aims to foster DRR leaders well-versed in Japanese experiences including the Sendai Framework.

COURSE SUBJECTS

Global Risk Management

- Importance and methodologies of risk management
- Lectures on various risk management cases and studies around the world including the experiences of pre-disaster investment and Sendai Framework

Disaster Control System

- Countermeasures, their history, and issues in Japan
- Discussion on systems and information to reduce damage for each hazard
- Comparative study on disasters, statistics, and community map for disaster prevention

Special lecture on Sustainability in the Dynamic Earth 1 (Master's Course)

Advanced lecture on Sustainability in the Dynamic Earth 1 (Doctoral Course)

- A balanced, holistic approach to DRR activities to close gaps between academic education and on-ground DRR policy and activities
- Practical on-ground knowledge with a focus on official development assistance to developing countries, based on Japanese experiences

I work at an agency that monitors disasters related to volcano, earthquake, and tsunami activity so the learnings from this course was quite relevant for me. The practical approaches taught us to see the bigger picture which I think will essentially contribute to more efficient decision-making capabilities. This made me better understand how to apply my technical research skills in providing concrete solutions for the effective management and reduction of disaster risks and facilitating a safer and more resilient community.

Marie Thess Quilalang-Gemal

**Department of Science and Technology
Philippine Institute of Volcanology and Seismology
(DOST-PHIVOLCS)**

