

**Schedule A:**

(Tohoku University - Master/ Doctoral Degrees)

JICA SL Deadline for Entry form submission –

**15<sup>th</sup> October 2024**

**Schedule B:**

(GRIPS/ ICHARM - Doctor Degree Only)

Deadline for Entry form submission –

**20<sup>th</sup> January 2025**



# **JICA Knowledge Co-Creation Program for Long Term Participants (JICA Development Studies Program)**

## **General Information on Disaster Risk Reduction (DRR) Leaders Capacity Development for the Sendai Framework Implementation (FY2025)**

長期研修

留学生プログラム「仙台防災枠組に貢献する防災中核人材育成」

2025 年度

This handout provides an overview of the "Disaster Risk Reduction (DRR) Leaders Capacity Development for the Sendai Framework Implementation" program/course, which is one of Japan International Cooperation Agency (JICA)'s Knowledge Co-Creation Program (Long-Term). The program will be implemented as part of the Official Development Assistance of the Government of Japan based on bilateral agreement between respective governments.

The objective of the Knowledge Co-Creation Program (Long-Term) is to offer opportunities to people from developing countries to study at higher educational institutions in Japan and to help them build their network of people. This is intended to assist in the human resource development plans of the governments of developing countries and Japan, and eventually to expand and strengthen bilateral ties between the developing countries and Japan.



## 0. Background

### **What is JICA Knowledge Co-Creation Program (KCCP)**

The Japanese Cabinet released the Development Cooperation Charter in February 2015, which stated, "In its development cooperation, Japan has maintained the spirit of jointly creating things that suit partner countries while respecting ownership, intentions and intrinsic characteristics of the country concerned based on a field-oriented approach through dialogue and collaboration. It has also maintained the approach of building reciprocal relationships with developing countries in which both sides learn from each other and grow and develop together." JICA believes that this 'Knowledge Co-Creation Program' will serve as a foundation of mutual learning process.

### **What is JICA Development Studies Program (JICA-DSP)**

JICA-DSP is being carried out by JICA as part of official development assistance (ODA) by the government of Japan. JICA-DSP is offered for international scholars accepted as the participants of JICA's Human Resource Development Project who are enrolled in a degree program at a Japanese university.

<https://www.jica.go.jp/dsp-chair/english/dsp/overview/index.html>



# 1. Overview

Across the world, the number of disasters has increased in recent years, and in particular, there was a remarkable increase in economic damage. Disasters tend to occur in hazardous areas repeatedly and have huge impact on lives, livelihood and local economy, especially those in lower income brackets. Consequently, disaster risk reduction is regarded critical for sustainable economic growth.

The Sendai Framework for Disaster Risk Reduction 2015–2030 was adopted at the Third UN World Conference on Disaster Risk Reduction held in March 2015, as a framework aiming to “substantially reduce disaster risk, and the loss of lives and livelihoods”. The Sendai Framework aligns the post 2015 development agenda such as Sustainable Development Goals (SDGs) and Paris Agreement. In the Sendai Framework, seven global targets were agreed, and each country has a primary responsibility to implement and monitor the Sendai Framework in accordance with the Guiding Principles of that.

Japan is the one of the disaster-prone countries in the world and has a long history to coexist with natural hazards such as earthquakes, tsunamis, typhoons, floods and landslides. Given this, experiences on disaster risk reduction against these hazards in Japan has generated unique “culture of disaster risk reduction” and various DRR knowledge and activities have been passed down through the generations since old times. Based on the accumulation of experience, Japan is well known for the DRR leading country in the present day. During the formulation process of the Sendai Framework, Japan reiterated the importance of “Investment in Disaster Risk Reduction”, “Strengthening Central Disaster Risk Reduction Administration” and “Build Back Better” and these concepts were accepted in the framework.

Thus, it will be the best opportunity to study and research on DRR field in Japan for deepening the understanding of the Sendai Framework and learning advanced DRR knowledge and technologies.

# 2. Objectives

Disaster Risk Reduction (DRR) Leaders Capacity Development for the Sendai Framework Implementation (FY2025) is a Master/Doctor Degree Scholarship Program specially provided by the Japan International Cooperation Agency (JICA) in collaboration with Japan’s top-ranked universities, which shall be implemented as part of the Official Development Assistance of the Government of Japan.

This Program provides excellent study and research opportunity for to-be leaders of DRR field to acquire high-level competence comprehensively covering both academic studies and practical knowledge.



The Program consists of a regular graduate program for study and research related to DRR at a Japanese university and additional DRR programs.

### **3. Course Outline**

#### **1. Title**

Disaster Risk Reduction (DRR) Leaders Capacity Development for the Sendai Framework Implementation (FY2025)

#### **2. Target Countries**

Bangladesh, Fiji, India, Indonesia, Iran, Mongolia, Nepal, Pakistan, Philippines, Sri Lanka, Vietnam,

#### **3. Target Organization**

Central/National DRR agency and DRR-related agencies

#### **4. Target Personnel**

##### **(1) Essential Requirement**

- ✓ Personnel working at target organizations.
- ✓ Practical experience in DRR field especially working at governmental agencies.
- ✓ Educational Background (at least Bachelor's degree)
- ✓ Linguistic skills required to take courses and receive research guidance in **English** (You must meet English requirements described in the application guidance of each university.)
- ✓ Good health, both physically and mentally, to participate in the Program in Japan
- ✓ Other requirements for application to each university such as GPA, etc.

##### **(2) Recommendable Qualifications**

- ✓ Those who are expected to play a leading role in DRR in the future.
- ✓ Those who are expected to contribute to achieving JICA's global agenda on "Disaster Risk Reduction through Pre-disaster Investment and Build Back Better" as the Attachment.
- ✓ Those who have flexible adaptability and receptivity for study and research in a foreign country.
- ✓ Age of under 35 years old for a master's degree or 40 years old for a doctoral degree
- ✓ More than five (5) years of working experience in DRR.

#### **5. Number of participants**

Maximum 5 participants

#### **6. Language to be used in this program**

English

#### **7. Overall Goal**

Participants will be pro-Japan leaders on DRR field in their countries and contribute to implementing the Sendai Framework and playing a vital role in leading the discussion



on international level.

#### 8. Program Purpose

Participants of the Long-term Program are expected:

- (1) To obtain Master's or Doctor's degree in Japanese Universities
- (2) To learn Japanese experiences and knowledge on disaster risk reduction
- (3) To enhance relationship and network among participants and DRR human resources in Japan

#### 9. Program Outlines:

The program consists of three (3) large components as below.

##### (1) Study and research (Master/doctor degree course)

- ✓ Acquire theoretical knowledge systematically.
- ✓ Improve the ability to solve problems through research activities.
- ✓ Acquire master/doctor degree in the following Universities/Schools/Departments.

University	School	Department/Lab
Tohoku University	Graduate School of Science	- Department of Geophysics - Department of Earth Science
	Graduate School of Engineering	- Department of Civil and Environmental Engineering
	Graduate School of Environmental Studies	- Department of Frontier Sciences for Advanced Environment; Cultural Environmental Studies
National Graduate Institute for Policy Studies (GRIPS)	-	- Disaster Management Ph.D. Program (Doctor only) collaborated with "International Centre for Water Hazard and Risk Management (ICHARM)"

Please refer the Annex 1 for the detailed information on the available universities/departments.

##### (2) Additional DRR program

JICA will provide additional program for the purpose to improve practical abilities, strengthen networks and deep understanding of Japanese DRR field knowledge.

##### (3) Common program (Optional)

In addition to the above-mentioned programs, JICA will implement the common programs for JICA participants. Some programs will be conducted by JICA domestic offices to promote international exchanges and cultural understandings between JICA participants and regional residents.

Also, JICA will conduct a program, offering participants opportunities to gain a deep understanding of the Japanese development experience, and to draw lessons and gain



insights that will support their development work in their home countries and internationally.

## 4. Duration

Master's degree 2 years (October 2025 – September 2027)

Doctor's Degree 3 years (October 2025 – September 2028)

## 5. Number of Participants

Maximum 5 participants for total

## 6. Language to be used in this Program

English

## 7. Eligibility

Candidate applicants must satisfy the following requirements:

### (1) Essential Requirement

- ✓ Personnel working at target organizations.
- ✓ Practical experience in DRR field especially working at governmental agencies.
- ✓ Educational Background (at least Bachelor's degree)
- ✓ Linguistic skills required to take courses and receive research guidance in **English** (You must meet English requirements described in the application guidance of each university.)
- ✓ Good health, both physically and mentally, to participate in the Program in Japan
- ✓ Other requirements for application to each university such as GPA, etc.

### (2) Recommendable Qualifications

- ✓ Those who are expected to play a leading role in DRR in the future.
- ✓ Those who are expected to contribute to achieving JICA's global agenda on "Disaster Risk Reduction through Pre-disaster Investment and Build Back Better" as the Attachment.
- ✓ Those who have flexible adaptability and receptivity for study and research in a foreign country.
- ✓ Age of under 35 years old for a Master's degree or 40 years old for a doctoral degree
- ✓ More than five (5) years of working experience in DRR.

## 8. Admissions

Candidates must be selected as JICA's official candidate through JICA's internal



selection procedure and must pass the general entrance examination of the university they have applied to, including examinations to enter the applicants' desired Master's degree or Ph.D. degree course.

## 9. Application Guidelines

Selection process contains the following steps. The detailed schedule can be found in the following section, "10. Selection Schedule."

1. Course Entry to JICA
2. Matching Process (Tohoku University only)
3. University's Academic Selection
4. JICA's Selection
5. Final Acceptance Decision by JICA

### 1. Course Entry to JICA

Applicants to the course must submit the completed entry format (Attached Document 1) to JICA Office in your country by the closing dates through the appropriate procedure of your country. The closing date is defined by the JICA office in each country based on the following timelines; therefore, please inquire the closing date for the entry of each schedule to the JICA office in your country.

- Schedule A Entry shown in as the Section 10: the JICA office will inform them to the JICA Headquarter in JAPAN by **October 31, 2024** for
  - Tohoku University (Graduate School of Science, Graduate School of Engineering, Graduate School of Environmental Studies)
- Schedule B Entry shown in as the Section 10: the JICA office will inform them to the JICA Headquarter in JAPAN by **February 7, 2025** for
  - National Graduate Institute for Policy Studies (GRIPS) PH.D Program collaborated with "International Centre for Water Hazard and Risk Management (ICHARM)"

Note:

- A) This entry process is essential to accept an applicant as a JICA Scholarship Course.
- B) Prior to submitting the entry format to the JICA Office, please carefully confirm that you meet the application requirement (ex: English skill, evaluation point, etc.) of the interested department or program and describe the result on the entry format.

#### ATTENTION!

You must confirm requirements for application of each university/ department. Some information (included schedule info. of each institute) may be updated or revised.

- Graduate School of Science, Tohoku University



See Annex 2 (the example of application document list of FY2023).

- Graduate School of Engineering, Tohoku University (common application guidance) (See Annex 3 and 5)  
<https://iceec.civil.tohoku.ac.jp/admission/admission.html>
- Graduate School of Environmental Studies, Tohoku University (See Annex 4)
- National Graduate Institute for Policy Studies (GRIPS) PH.D Program collaborated with "International Centre for Water Hazard and Risk Management (ICHARM)";  
[http://www.icharm.pwri.go.jp/training/phd/phd\\_index.html](http://www.icharm.pwri.go.jp/training/phd/phd_index.html)

- C) Matching procedure will be based on information described in the submitted entry format. Especially, research theme is very critical information to consider the available supervisor; therefore, please carefully explain details within 200 words.
- D) JICA will not accept or consider any entries received after the stated deadline or any incomplete entry formats.
- E) You must follow the governmental procedure to submit the entry format to JICA Office in your country.
- F) You must not contact universities directly until the completion of next matching procedure.

## 2. Matching Process (Tohoku University only)

JICA provides entry information to the Tohoku University and the university conducts the Matching Process. The result of the Matching Process will be mainly judged by whether there is the available supervisor who can instruct the research theme or not. The result is informed by JICA Office in your country and only applicants who pass the Matching Process can apply for the next step (university application).

Note:

A) Generally, Matching Process will be proceeded based on information described in the submitted entry format; however, the university contacts to an applicant to clarify some points as needed.

B) Only for applicants to Graduate School of Science or Graduate School of Environmental Studies

Please refer Annex 6 or 7 and home pages of each department for your choices. Please choose more than one potential matching supervisors from faculty members of Departments of Geophysics and Earth Science/ Department of Frontier Sciences for Advanced Environment.

C) Applicants for **GRIPS/ICHARM Disaster Management Ph.D. Program** do not need this Matching Process. Please proceed to the next step of academic application to the university.

## 3. University's Academic Selection



Applicants who pass the Matching Process submit required documents in accordance with the application guidance of the applied university/department. Application qualifications, procedures and application period vary depending on each university/ department; therefore, please access to the website or contact to the admission division of the university to confirm the latest information and schedule. The academic selection will be made by each university based on the application, academic transcripts, related documents, screening and interview processes including an Internet-based interview, etc. Notifications of academic selection results will be announced by the applied university.

Note:

- **Examination fee for each university will be covered by JICA.**
- **For the applicants to the Graduate School of Engineering, Tohoku University;** please be noted that the submission of English proficiency test scores is essential for your application such as TOEFL iBT, TOEFL PBT, TOEIC or IELTS except in special cases. Please plan to take the test and obtain the required score before applying. Detailed information is shown in the Annex 5.
- **For the applicants to the Graduate School of Environmental Studies, Tohoku University;** please be noted that the submission of English proficiency test scores is essential for your application such as TOEFL iBT or TOEIC except in special cases. Please plan to take the test before applying.

#### 4. JICA's Selection

- (1) In the case that the number of applicants who passed the University's academic selection exceed maximum numbers of JICA Scholars for the course (5 persons), JICA will conduct JICA's own selection based on essay submitted. Therefore, the applicants who applied for the university application must submit the essay about the following theme to the JICA Office in your country **within 1 month after the submission of university's application.**
  - A) Theme: My Contribution to achievement of the Sendai Framework in my country after the JICA Scholarship Course
  - B) Key questions: You need to include your thoughts to the following questions in the essay
    - What is the most critical issue or challenge to achieve the Sendai Framework in your country?
    - What would you like to learn through this course to solve the issue or challenge mentioned above?
    - How will you utilize your experience and learning from the course after returning to your country?
  - C) Format: Free format by using Microsoft Word or text editor within 800 words
- (2) The result of JICA's selection based on the university's selection and essay evaluation is informed after the result notification by the university. The applicant who passes JICA's selection is finally called as 'candidate'.



## 5. Final Acceptance Decision by JICA

### (1) Submission of required documents for acceptance decision

In response to passing the JICA selection, each candidate is required to submit the "Required documents" listed in as below **by the end of July 2025** to JICA office in your country in accordance with the appropriate procedure of your country.

#### Required Documents

A) JICA Application Form for the JICA Knowledge Co-Creation Program

B) A passport copy (for checking nationality, name, sex, and date of birth).

\*National ID and birth certificate are acceptable as a draft document if the participant does not have a passport. Certified English translation must be attached if ID is not written in English

C) 2 ID photos (4cm × 3cm) pasted on application form (Original and copy) and another 6 same photos.

D) Health certificate with the JICA's specific format

### (2) Announcement of acceptance decision

JICA confirms there are no issues such as diplomacy, health, etc. and makes a final acceptance decision with submitted documents by the middle of August 2025. With this, a candidate will be officially approved as a participant of JICA Scholarship Course.

## 6. Administrative Information

Please refer the Attached Document 2 "Handbook for JICA Scholarship Courses" about the general rules and conditions for JICA Scholarship Courses.

## 10. Schedule

Year	Month		Schedule A			Schedule B
			Tohoku University, Graduate School of Science	Tohoku University, Graduate School of Engineering	Tohoku University, Graduate School of Environmental Studies	GRIPS/ICHARM, Disaster Management Ph.D Program
2024	Aug	Early				
		Mid	JICA announces the selection information with Overview Information			
		Late				
	Sep	Early				
		Mid	Submission of the completed entry format to JICA HQ by September 30			
		Late				



2025		Oct	Early	Matching Process (The result may be informed by the end of October)		
			Mid			
			Late			
		Nov	Early			
			Mid			
			Late			
	Dec	Early	Submission of the application documents to the University by the middle of December			
		Mid			Submission of the application documents to the University by the end of January	
		Late				
	Jan	Early	Submission of the Essay to JICA Office by the middle of December	Submission of the application documents to the University by early January		
			Academic examination			
		Feb	Early	Notification of the result of academic selection	Submission of the Essay to JICA Office by early February	Deadline to submit the completed entry format to JICA HQ by February 7
			Mid	Notification of the result of JICA's selection by mid February	Academic examination	Academic examination
			Late			
		Mar	Early		Notification of the result of academic selection	Submission of the application documents to the University by early March
			Mid		Notification of the result of JICA's	Notification of the result of academic selection



			selection by mid March		
	Late			Notification of the result of JICA's selection by late March	
Apr	Early				Submission of the Essay to JICA Office by early April
	Mid				Academic examination
	Late				
May	Early				
	Mid				
	Late				
Jun	Early				
	Mid				
	Late				Notification of the result of academic selection
Jul	Early				Notification of the result of JICA's selection by early July
	Mid				
	Late	Submission of required documents for acceptance decision			
Aug	Early				
	Mid	Final Acceptance decision			
	Late				
Sep	Early				
	Mid				
	Late	Arrival at Japan			
Oct	Early	Academy year starts			
	Mid				
	Late				



## 11. Expenses To Be Borne By JICA

Under the JICA Long-term Trainee Allowance standards, JICA will cover expenses and allowance to participants accepted to the program/course. See the table below for further details. Note that the payments (e.g. for tuition, research support expenses, school support expenses) will not be paid to the accepted participants themselves, but directly to the university or other relevant institutions.

Expense category	Payment amount	Payment frequency
Tuition (official examination fees, entrance fees, course fees)	Actual costs	According to the request from universities
Living Allowance*	JPY 117,000–148,000 per month*	Every month via university
Airfare	Actual costs	Upon arrival in Japan and upon returning home
Outfit Allowance**	JPY103,750–106,000	Once (upon arrival in Japan)
Moving Allowance***	Up to JPY164,000-224,000	Once (during the training period)**
Research Support Expenses****	Actual costs (up to JPY360,000 per year)	
Medical care for participants who become ill after arriving in Japan	In accordance with the provisions of the medical insurance	

\*Varies according to living area in Japan, type of accommodation, etc.

\*\*Once, after opening bank account in Japan. As it takes several weeks to have the bank account opened, it is strongly recommended to bring cash for personal expenses during the period.

\*\*\*Depending on the accommodation facility. Consultation with the university is required.

\*\*\*\*Research Support Expenses are allowed to be provided via the university and be disbursed with the consultation and approval of the applicant's supervisor.

## 12. Expenses Not To Be Borne By JICA

JICA will not bear costs other than the allowances described above. JICA is not responsible for the following expenses especially:

- (1) Passport fees (for re-issuance and extensions, etc.)
- (2) Visa fees of a transit country and transportation expenses to obtain Visa
- (3) Transportation expenses to obtain Japanese Visa
- (4) Domestic travel expenses at the applicant's home country
- (5) Departure tax



- (6) Airport tax/airport facility charges outside of Japan, including third countries
- (7) Customs duty
- (8) Excess baggage charges
- (9) Compensation for lost and/or damaged baggage
- (10) "No show charge" to the transit airport hotel (non-refundable)
- (11) Lost - ticket fee
- (12) Accommodation fee for day-use hotel in return flight
- (13) Transportation expenses other than official programs
- (14) Telephone bill or mini-bar tab at accommodation
- (15) Medical costs related to pre-existing illness, pregnancy, and dental treatment
- (16) Medical cost related to the same illness over 180 days
- (17) "National Health Insurance" fee

Note: If participant/accepted applicant does not follow the regulation of JICA, the participant may have to bear such other cost of necessary expenses.

### 13. Conditions for Participation

The accepted applicants/participants of KCCP are required:

- (1) to understand that participants must physically come to Japan to participate in this program at the date designated by JICA,
- (2) to be in good health to participate in the program,
- (3) not to change course subjects or extend the course period,
- (4) not to change the air ticket (and flight class and flight schedule arranged by JICA) and lodging by the participants on their own,
- (5) to accept that the Government of Japan will examine applicants who belong to the military or other military-related organizations and/or who are enlisted in the military, taking into consideration of their duties, positions in the organization and other relevant information in a comprehensive manner to be consistent with the Development Cooperation Charter of Japan,
- (6) to submit a Health Certificate in JICA format at the participant's expense. The certificate must be the results of health check-up at the time the participant applied to the entrance examinations (within 6 months before arrival in Japan),
- (7) to accept to submit a second Health Certificate in JICA format if the participant will not be able to arrive within 6 months from the date of his/her first medical examination. The cost of the Health Certificate will be borne by JICA only if the delay is not due to the participant's personal reasons,
- (8) to return to their home country on the designated flight by JICA, when they finish the program/course or when it is deemed impossible to finish the program within the program period, or when the participant is not successful on the regular course examination,
- (9) to refund allowances or other benefits paid by JICA in the case of a change in schedule,



- (10) to understand that inviting participant's family members is not recommended before their stay in Japan has passed more than 6 months,
- (11) to carry out such instructions and abide by such conditions as may be stipulated by both the nominating Government and the Japanese Government in respect of the course,
- (12) to observe the rules and regulations of the program implementing partners to provide the program or establishments ("Plagiarism" especially is taken severely by enrolling university, regardless of whether it is direct plagiarism or self-plagiarism and participants may be subjected to disciplinary action such as suspension),
- (13) to observe the rules and regulations at the place of the participants' accommodation,
- (14) not to engage in political activities, or any form of employment for profit,
- (15) not to drive a car or motorbike, regardless of an international driving license possessed,
- (16) to discontinue the program, should the participant violate Japanese laws or JICA's regulations, or commit illegal or immoral conduct, or become critically ill or seriously injured and be considered unable to continue the course. The participants shall be responsible for paying any cost for treatment of the said health conditions except for the medical care expenses described in the table of "11. Expenses To be borne by JICA,"
- (17) to return the total amount or a part of the expenditure for KCCP depending on the severity of such violation, should the participants violate the laws and ordinances,
- (18) not to be receiving nor plan to receive another scholarship during the program,
- (19) to understand not to make other applications for different JICA KCCP (long-term) at the same time,
- (20) to understand that the maximum duration of "Overseas research" and "Temporary Leave (leaving Japan for private purpose)" is 60 days, in principle, and
- (21) to enroll and complete JICA-DSP online courses, when you receive JICA's instructions to do so.

#### **Attached Documents**

- 1. Entry format (MS Excel sheet)
- 2. Handbook for KCCP for JICA Scholarship Courses 2020
- 3. JICA's global agenda on "Disaster Risk Reduction through Pre-disaster Investment and Build Back Better"



## IV. ANNEX:

### Annex 1 Universities and Program Information

#### 1. Tohoku University **[Both Master's and Doctoral degrees]**

##### (1) Graduate School of Science

<https://www.sci.tohoku.ac.jp/english/>

###### ① Department of Geophysics

Keywords: Solid earth physics (seismology, geodesy, volcanology), Atmospheric and oceanic sciences (meteorology, physical oceanography), Planetary and space physics

<https://www.gp.tohoku.ac.jp/index-en.html>

###### ② Department of Earth Science

Keywords: Geo-environmental science (geology, paleontology, geography, geochemistry), Earth and planetary materials science (petrology, mineralogy, resource geology, geochemistry)

<https://www.es.tohoku.ac.jp/EN/index.html>

##### (2) Graduate School of Engineering, Department of Civil and Environmental Engineering

<https://www.eng.tohoku.ac.jp/english/academics/studies/graduate/civil.html>

Keywords: Infrastructure, Water Environment

###### ① Infrastructural Engineering Course

- Mathematical System Design: <http://msd.civil.tohoku.ac.jp/english/>
- Advanced Computational Mechanics/Computational Safety Engineering: <http://www.cae.civil.tohoku.ac.jp/>
- Sustainable Infrastructure Materials Engineering: <http://cm.civil.tohoku.ac.jp/>
- Geosphere and Geotechnical Engineering: <https://sites.google.com/view/geotech-tohoku/>
- Structural Mechanics : <http://mechanics.civil.tohoku.ac.jp/c-indexe.html>
- Creative Design Engineering for Structural Systems: <http://design.civil.tohoku.ac.jp/c-indexe.html>
- Advanced Infrastructure Systems: <https://yu-otake.tech/>

###### ② Water Environmental Studies Course

- Hydro-Environment System: <http://kaigan.civil.tohoku.ac.jp/HEST/>
- Hydro-Environnemental Informatics: <http://potential1.civil.tohoku.ac.jp/index-e.html>
- Environmental Protection Engineering: <http://epl1.civil.tohoku.ac.jp/index.html>
- Water Quality Engineering : <https://waterqualitytohoku.com/en/>
- Ecological Engineering: <https://www.ecolab-tohoku.com/>
- Tsunami Engineering: <http://www.tsunami.civil.tohoku.ac.jp/hokusai3/E/>
- Remote Sensing and Geoinformatics for Disaster Management:



<http://www.regid.irides.tohoku.ac.jp/index-en.html>

③ Transportation and Urban Planning Course

- Disaster Area Support:

<https://irides.tohoku.ac.jp/eng/organization/humansociety/02.html>

- Disaster Reconstruction design and Management:

<https://irides.tohoku.ac.jp/eng/organization/faculty/infosociety/hirano.html>

(3) Graduate School of Environmental Studies

<https://www.kankyo.tohoku.ac.jp/en/>

① Department of Frontier Sciences for Advanced Environment;  
Cultural Environmental Studies

Keywords: Natural Hazards, Disaster Risk Reduction, Climate Change

<https://www.kankyo.tohoku.ac.jp/en/faculty/#sentan>

<Urban Environment and Environmental Geography>

- International Disaster Risk Reduction Science

<https://sites.google.com/view/drr-initiative-tohoku-univ/>

<Solar and Terrestrial Systems and Energy Sciences>

- Urban and Regional Environmental Systems

<https://www.kankyo.tohoku.ac.jp/en/faculty/tkk04.html>

2. **National Graduate Institute for Policy Studies (GRIPS)** collaborated with  
**International Centre for Water Hazard and Risk Management (ICHARM)**  
Disaster Management Ph.D. Program **[Doctoral course only]**

[http://www.icharm.pwri.go.jp/training/phd/phd\\_index.html](http://www.icharm.pwri.go.jp/training/phd/phd_index.html)

Keywords: Water-related disasters, Disaster risk management policy

Target Groups : Officials and researchers with either natural or cultural/social sciences who are highly motivated to study science-based policy making.

This program is designed for individuals who aspire to master science, technology, and policy studies in water-related risk management, thereby becoming highly skilled professionals who can train other researchers and practitioners and take leadership in planning and implementing practical strategies and policies at national and international levels to contribute to the sustainable development of their countries and regions through disaster risk reduction.



## Annex 2 Example of application document list of Tohoku University (Graduate School of Science)

For your reference, please find the following list for FY2023 application documents. The necessary forms will be sent to the applicants who pass the Matching Process.

JICA_TU 2023 Application Documents & Checklist		Major
		Name
*Place check marks to the appropriate boxes (or choose "X")		
Documents	Check	Remarks
<b>Graduate Program(s)</b> (either one of the followings)		
- Certificate of Graduation	<input type="checkbox"/>	
- Master's Diploma	<input type="checkbox"/>	
<b>Document(s) to prove academic ability:</b> at least ONE of the followings but NOT more than 3 materials		
1) Bachelor thesis in full with English abstract	<input type="checkbox"/>	
2) Master thesis in full with English abstract	<input type="checkbox"/>	
3) Research papers published in journals or conference proceedings	<input type="checkbox"/>	
4) GRE® Test score report	<input type="checkbox"/>	
5) Other ( )	<input type="checkbox"/>	
<b>Document(s) to prove English ability:</b> at least ONE of the followings		
1) Score report of TOEFL iBT® Test, TOEFL PBT® Test, or IELTS	<input type="checkbox"/>	
2) Score report of other English tests (Tests conducted at your university, organized locally, TOEFL ITP®, and TOEIC® fall into this category)	<input type="checkbox"/>	
3) Certificate/letter/website to show that the medium of instruction (of undergraduate/graduate program) was English	<input type="checkbox"/>	
4) Other ( )	<input type="checkbox"/>	
Photocopy of passport: if you have a passport, please attach it to the application form	<input type="checkbox"/>	*e.g., photocopy of citizenship card, birth certificate, census register
Application Checklist (this sheet)	<input type="checkbox"/>	



### Annex 3 Example of application document list of Tohoku University (Graduate School of Engineering, Department of Civil and Environmental Engineering)

For your reference, please find the following list for FY2024 application documents. The list of necessary documents is shown in the Application Guideline on the website. (You can find the list and details for FY2024 application for your reference <<https://iceec.civil.tohoku.ac.jp/admission/admission.html>>)

#### Checklist (I-CEEC)

Check

Applicants for the Master's Degree Program	
Application for admission	
CV	
Letter of acceptance	
Undergraduate transcript	
TOEFL, TOEIC or IELTS score sheets Valid tests: TOEFLPBT, TOEFL iBT, TOEFL iBT Special Home Edition, TOEIC Public Test, IELTS-Academic Module	
Certificate of (expected) completion or of degree conferral	
Copy of Residence Record (*Should be submitted by foreign applicants residing in Japan whose period of stay is over 90 days.)	
Examination admission ticket and photo ID form	
Confirmation for Examination Fee Payment	
Letter of recommendation	
Address label	
Other reference materials (optional)	

Applicants for the Doctoral Degree Program	
Application for admission	
CV	
Letter of acceptance	
Graduate school transcript	
TOEFL, TOEIC or IELTS score sheets Valid tests: TOEFLPBT, TOEFL iBT, TOEFL iBT Special Home Edition, TOEIC Public Test, IELTS-Academic Module	
Certificate of (expected) completion or of degree conferral	
Undergraduate transcript	
Duplicate of master's thesis	
Copy of Residence Record (*Should be submitted by foreign applicants residing in Japan whose period of stay is over 90 days.)	
Examination admission ticket and photo ID form	
Confirmation for Examination Fee Payment	
Letter of recommendation	
Address label	
Other reference materials (optional)	



#### Annex 4 Example of application document list of Tohoku University (Graduate School of Environmental Studies)

For your reference, please find the following list for FY2024 application documents. The list of required documents is shown in the Application Guideline on the upcoming website.

##### < Two-year Master's Course >

1. An application form and curriculum vitae (using the prescribed format)
2. An official grade transcript issued by the applicant's home university
3. An official graduate certification issued by the applicant's home university
4. A certificate of the applicant's Bachelor degree issued by the applicant's home university
5. A formal certificate of TOEFL test/ TOEIC test score
  - Valid official tests: TOEFL-iBT, TOEIC (Listening & Reading Test)
  - We cannot accept certificates of TOEFL/ TOEIC test scores obtained before 2021.
  - The DI code for sending the TOEFL test (Official Score Certificate) directly to the Graduate School is "C648".
  - We only accept TOEFL iBT scores from a single test date, not MyBestTM scores.
  - We cannot return the certificate of the TOEFL/ TOEIC score. However we will return the Test Taker Score Report if requested.
6. A research proposal
7. A letter of reference
  - This should be written by an academic advisor who can evaluate the applicant's research ability through previously conducted academic activities (there are no specific format requirements for this letter).

##### < Three-year Doctoral Course >

1. An application form and curriculum vitae (using the prescribed format)
2. An official grade transcript issued by the applicant's home graduate school
3. An official grade transcript issued by the applicant's home university
4. An official graduate certification issued by the applicant's home graduate school
5. A certificate of the applicant's Master's degree issued by the applicant's home graduate school
6. A formal certificate of TOEFL test/ TOEIC test score
  - Valid official tests: TOEFL-iBT, TOEIC (Listening & Reading Test)
  - We cannot accept certificates of TOEFL/ TOEIC test scores obtained before 2021.
  - The DI code for sending the TOEFL test (Official Score Certificate) directly to the Graduate School is "C648".
  - We only accept TOEFL iBT scores from a single test date, not MyBestTM scores.
  - We cannot return the certificate of the TOEFL/ TOEIC score. However we will return the Test Taker Score Report if requested.
7. A research proposal
8. A letter of reference
  - This should be written by an academic advisor who can evaluate the applicant's research ability through previously conducted academic activities (there are no specific format requirements for this letter).
9. Thesis or essays published by the applicant.



## Annex 5 Requirement of Tohoku University (except Graduate School of Science/ Graduate School of Environmental Studies)

Tohoku University (Graduate School of Engineering) must need the following requirement for the application.

- (1) Applicants must have taken one of the following on or after March 1, 2021: TOEFL iBT, TOEFL PBT, TOEIC or IELTS (Academic Module).

By the time of their application, applicants must have obtained a score equal to or greater than that required by the school of engineering as shown below.

- TOEFL iBT 65 or higher
- TOEFL PBT 450 or higher
- TOEIC 650 or higher
- IELTS 5.5 or higher

- (2) Applicants must have earned 2.30 or more evaluation points as calculated from their coursework grades in their latest submitted transcripts, as shown below.

Scale Grade

Scale	Grade				
4-Grade Scale	A		B	C	F
	100-80		79-70	69-60	59-
5-Grade Scale	S	A	B	C	F
	A	B	C	D	F
	100-90	89-80	79-70	69-60	59-
Points	3	3	2	1	0
Total Credit	N4	N3	N2	N1	N0

$$(N4+N3) \times 3 + N2 \times 2 + N1 \times 1 + N0 \times 0$$

$$\text{Evaluation Point} = \frac{(N4+N3) \times 3 + N2 \times 2 + N1 \times 1 + N0 \times 0}{N4 + N3 + N2 + N1}$$

Note:

1. Applicants for the Master's Degree Program

Evaluation points are calculated based on the undergraduate transcript.

2. Applicants for the Doctoral Degree Program

Evaluation points are calculated based on graduate school (Master's course) transcripts.



## **Annex 6 Research field of Tohoku University Graduate School of Science**

### **(1) Seismic activities and related sciences**

#### **•Department of Geophysics**

Prof. Motoyuki Kido (IRIDES), Prof. Dapeng Zhao, Prof. Ryota Hino,  
Prof. Tomomi Okada, Prof. Yusaku Ohta, Assoc. Prof. Naoki Uchida, Assoc. Prof. Hisashi Nakahara  
Assoc. Prof. Yasuo Yabe,  
Assoc. Prof. Yo Fukushima (IRIDES)

#### **•Department of Earth Science**

Prof. Hiroyuki Nagahama, Prof. Jun Muto,  
Prof. Shinji Toda (IRIDES), Assoc. Prof. Daisuke Sugawara (IRIDES)

### **(2) Volcanic activities and related sciences**

#### **•Department of Geophysics**

Prof. Takeshi Nishimura, Assoc. Prof. Mare Yamamoto,

#### **•Department of Earth Science**

Prof. Michihiko Nakamura, Assoc. Prof. Satoshi Okumura,  
Assoc. Prof. Naoto Hirano, Prof. Reishi Takashima

### **(3) Climate change and related sciences**

#### **•Department of Geophysics**

Prof. Takeshi Yamazaki, Assoc. Prof. Junshi Ito,  
Prof. Toshio Suga, Assoc. Prof. Shoichi Kizu, Assoc. Prof. Shusaku Sugimoto,  
Prof. Shinji Morimoto, Assoc. Prof. Hironobu Iwabuchi, Prof. Toshio Suga  
Prof. Sayaka Yasunaka, Assoc. Prof. Futoki Sakaida

#### **•Department of Earth Science**

Assoc. Prof. Ryuji Asami, Assoc. Prof. Noritoshi Suzuki

### **(4) Geographical and social sciences related natural hazard**

Prof. Kazuaki Hori, Assoc. Prof. Yuzuru Isoda

### **(5) Space weather and related sciences**

Assoc. Prof. Hiroaki Misawa, Assoc. Prof. Fuminori Tsuchiya,  
Assoc. Prof. Takeshi Sakanoi, Prof. Yuto Katoh

### **(6) Others (Please refer to web site)**

### **(7) Retiring professors (not able to supervise new students, and do not choose them)**

Prof. Tadahiro Hayasaka

#### **Department of Geophysics**

<https://www.gp.tohoku.ac.jp/index-en.html>

#### **Department of Earth Science**

<https://www.es.tohoku.ac.jp/EN/index.html>

#### **International Research Institute of Disaster Science (IRIDeS)**

<https://irides.tohoku.ac.jp/eng/>



## **Annex 7 Research field of Tohoku University Graduate School of Environmental Studies**

- **Department of Frontier Sciences for Advanced Environment**

- (1) **Urban Environment and Environmental Geography**

- Prof. **Yuichi Ono** (International Research Institute of Disaster Science (IRIDeS))

- Specially Appointed Prof. **Kozo Nagami** (Green Goal Initiative, IRIDeS)

- Associate Prof. **Daisuke Sasaki** (IRIDeS)

- (2) **Solar and Terrestrial Systems and Energy Sciences**

- Prof. **Daisuke Sano** (Graduate School of Engineering)

- Specially Appointed Prof. **Daisuke Komori** (Green Goal Initiative, IRIDeS)

- Associate Prof. **Kengo Kubota**





***CORRESPONDENCE***

For enquiries and further information, please contact your nearest JICA office.



Proposed Target Organization List for Distributing Overview Information on Disaster Risk Reduction (DRR) Leaders Capacity Development for the Sendai Framework Implementation (FY2025)

JICA留学生プログラム「仙台防災枠組に貢献する防災中核人材育成（2025年度）」  
候補者募集に係る想定対象機関リスト

#	Country	Organization	国名	組織名
1	Vietnam	Ministry of Agriculture and Rural Development (MARD)/Vietnam Disaster and Dyke Management Authority (VDDMA)	ベトナム	農業地方開発省 堤防管理・防災局
		Ministry of Natural Resource and Environment (MONRE)/Vietnam Meteorological and Hydrological Administration (VNMHA)		天然資源環境省 国家水文気象総局
		Department of Agriculture and Rural Development (DARD)		地方省農業・農村開発局
		Hue Province		フエ省
		Đà Nẵng Province		ダナン省
2	Philippines	Quảng Nam Province	フィリピン	クアンナム省
		Office of Civil Defense (OCD)		市民防衛局
		Department of Public Works and Highways (DPWH)		公共事業道路省
		Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA)		気象天文局
		Philippine Institute of Volcanology and Seismology (PHIVOLCS)		地震火山研究所
3	Indonesia	The Metro Manila Development Authority	インドネシア	マニラ首都圏開発庁
		University of Philippines		フィリピン大学
		National Disaster Management Agency (BNPB)		国家防災庁
		Agency for Meteorology, Climatology and Geophysics (BMKG)		気象気候地球物理庁
		Ministry of Public Works and Public Housing (PUPR)		公共事業・国民住宅省
4	Fiji	Geological Agency of the Ministry of Energy and Mineral Resources (BG)	フィジー	地質局
		Center for Volcanology & Geological Hazard Mitigation (PVMBG)		火山地質災害センター
		National Disaster Management Office (NDMO)		国家災害管理局
		Fiji Meteorological Service (FMS)		気象局
		Mineral Resources Department (MRD)		鉱物資源局
5	Mongolia	Ministry of Waterways and Environment (MoWE)	モンゴル	河川・環境省
		Pacific Community (SPC)		太平洋共同体
		National Emergency Management Agency (NEMA)		国家危機管理庁
		Ministry of Construction and Urban Development (MCUD)		建築・都市開発省
		General Agency for Specialized Investigation (GASI)		専門監察庁
6	India	Ministry of Jal Shakti		水資源省
		Greater Chennai Corporation		チェンナイ市公社
		Public Works Department, Tamil Nadu state		タミルナド州公共事業局
		Indian Meteorological Department (IMD)		インド気象局
7	Sri Lanka	Ministry of Defence	スリランカ	国防省
		Disaster Management Centre (DMC)		※DMC, NIDM, DMI 追加から 国防省 傘下に 災害管理センター ※国防省 傘下に。
		National Building Research Organisation (NBRO)		国立建築研究所
		Department of Meteorology (DoM)		気象局
		Ministry of Urban Development and Housing, Sri Lanka Land Development Corporation (SLIDC)		都市・住宅開発省 スリランカ土地開発公社
8	Nepal	Irrigation Department (ID)	ネパール	灌漑水管理省 灌漑局
		Ministry of Home Affairs (MoHA)		内務省
		National Disaster Risk Reduction and Management Authority (NDRRMA)		国家防災庁（内務省傘下）
		Water Induced Disaster Management Division		水関連災害管理部
		Department of Hydrology and Meteorology		水文・気象局
9	Bangladesh	Department of Water Resources and Irrigation	バングラデシュ	水資源灌漑局
		Department of Mines and Geology, Ministry of Industry (DMG)		鉱山地質局
		Ministry of Urban Development (MOUD)		都市開発省
		Ministry of Federal Affairs and General Administration (MoFAGA)		連邦総務省
10	Pakistan	Ministry of Disaster Management and Relief (MoDMR)	パキスタン	防災救援省
		Department of Disaster Management (DDM)		防災局
		Local Government Engineering Department (LGED)		地方行政技術局
		Planning Commission (PC)		計画委員会
		Public Works Department (PWD)		公共事業局
11	Iran	Bangladesh Meteorological Department (BMD)		気象局
		Bangladesh Water Development Board (BWDB)		水資源開発庁
		National Disaster Management Authority (NDMA)		国家防災庁
		National Institute for Disaster Management (NIDM)		国家防災研究所
		Provincial Disaster Management Authorities (PDMA s)		各州防災局

→DARDと書くだけで届く？

→ダナン市

→ウランバートル市？

→スーラト

WAPDA追加







**Request for the Selection of Participants in  
JICA Scholarship Course "Disaster Risk Reduction (DRR) Leaders Capacity  
Development for the Sendai Framework Implementation (FY2025)"**

**1. Requests**

We would like to inform the selection policy and detailed procedure of the above program in FY2025 and request the following three (3) matters of JICA Offices in the target countries.

- (1) Please distribute the Overview Information (correspond to the General Information: GI) that includes an application guidance to DRR-related organizations in each country.
- (2) Please collect the applicants' information by using the entry format as shown in the Attached Document 1 of the Overview Information and submit it to DRR Group via e-mail by the deadlines mentioned as below.
  - ① Deadline for 1st Entry: **October 31, 2023** for
    - Tohoku University (Graduate School of Science, Graduate School of Engineering, Graduate School of Environmental Studies)
  - ② Deadline for 2nd Entry: **February 7, 2025** for
    - National Graduate Institute for Policy Studies (GRIPS) PH.D Program collaborated with "International Centre for Water Hazard and Risk Management (ICHARM)"
- (3) Applicants will be selected according to a selection process as described in the Attachment 1 "Overview Information". Please follow up the procedure and communicate with applicants as appropriate.

**2. Universities (Potential number of acceptable participants)**

- (1) National Graduate Institute for Policy Studies (GRIPS), Disaster Management Ph.D. Program (Doctor only) collaborated with "International Centre for Water Hazard and Risk Management (ICHARM)": **【2 participants】**
- (2) Tohoku University: **【3 participants】**
  - ① Graduate School of Science and Faculty of Science
  - ② Graduate School of Engineering

**3. Notes**

- Please read through "III. Application Guidance" described in the Attachment 1







“Overview Information” which mentions the details on the selection process and schedule.

- The target personnel of this course are governmental officers working at Central/National DRR agency or DRR-related agencies based on the course objective that cultivates future DRR leaders in each country. Please distribute the Overview Information to the organizations listed in the Attachment 2, as appropriate.
- The applicants who pass the Matching Process will be required to submit an essay for JICA's selection within 1 month after the submission of university's application.
- Please inform applicants that they will be officially accepted as a participant in the JICA Scholarship Course when they receive a final acceptance decision from JICA.

#### **4. Contact Information**

Please contact the following focal point if you have any questions regarding this program.

Disaster Risk Reduction Group, Global Environment Department

- Minami Keisuke      Minami.Keisuke@jica.go.jp
- Masamoto Miori      Masamoto.Miori@jica.go.jp

End

Attachment 1    Overview Information 2025

Attachment 2    Target Organization List for Distributing Overview Information



