

Alumni Career Pathways

Kyrgyzstan

Ministry of Justice • State Agency of Environment Protection and Forestry • State Agency for Geology and Mineral Resources • State Committee of Industry, Energy and Subsoil Use

Mongolia

Ministry of Environment and Green Development • Institute of Meteorology and Hydrology • Institute of Geocology, Mongolian Academy of Sciences • National University of Mongolia • Mongolian University of Science and Technology • Ulaanbaatar City • Central Administration of the Government Federal Property of Mongolia

Vietnam

Ministry of Natural Resources and Environment • Ministry of Agriculture and Rural Development • Ministry of Industry and Trade • Department of Survey and Mapping • Hue University • Center for Planning and Design on Agriculture and Forestry • Vietnam National University of Agriculture • Institute of Meteorology, Hydrology and Climate Change

Bangladesh

Ministry of Finance (ERD) • Ministry of Public Administration • Bangladesh Bank • Ministry of Environment, Forest and Climate Change • Ministry of Home Affairs • Ministry of Road Transport and Bridges

Myanmar

Ministry of Border Affairs • Ministry of Natural Resources and Environmental Conservation • Ministry of Agriculture, Livestock and Irrigation

Sri Lanka

Ministry of Mahaweli Development and Environment • Ministry of Finance and Planning • Ministry of Industry and Commerce • Ministry of Health • Ministry of Agriculture

Ghana

Ministry of Food and Agriculture

Lao P.D.R.

Ministry of Natural Resources and Environment • Lao National Mekong Committee Secretariat (LNMCS)



<https://www.envr.tsukuba.ac.jp/~jds/people04.html>

Useful Websites

Master's Program in Environmental Sciences
<https://www.envr.tsukuba.ac.jp/eng/>

SUSTEP Program
<https://www.envr.tsukuba.ac.jp/~sustep/>

University of Tsukuba
<https://www.tsukuba.ac.jp/en/>

Academic Schedule
<https://www.tsukuba.ac.jp/en/academics/academic-calendar/>

Campus Life Information
<https://www.tsukuba.ac.jp/en/campuslife/support-healthlife/accommodation/index.html>

Japanese Grant Aid for Human Resource Development Scholarship (JDS)
<https://jds-scholarship.org/>

**Office of Environmental Sciences
Graduate School of Sciences and Technology
University of Tsukuba**
1-1-1 Tennodai, Tsukuba, Ibaraki 305-8572, Japan
Email: jds_office@envr.tsukuba.ac.jp
URL: <https://www.envr.tsukuba.ac.jp/~jds/index.html>

Number of JDS Fellows

Country	Kyrgyzstan	Mongolia	Vietnam	Bangladesh	Myanmar	Sri Lanka	Ghana	Laos	Moldives	Total
2007	1	1								2
2008	1	2	2							5
2009	1	2	3							6
2010		3	5	2						10
2011		4	6	2						12
2012		2	6	2						10
2013		2	5	2						9
2014		2	4	2	2	2				12
2015	2	2	4	3	2	2	3			18
2016	3	2	5	4	2	3	3			22
2017	2	4	4	4	1	3	3	2		23
2018	2	4	3	4	2	2	3	2		22
2019		4	5	4	2	3	3	2		23
2020		4	6	4	2	4		2		22
2021		2	4	5	1	2		2	2	18
Total	12	40	62	38	14	21	15	10	2	214



2022 JDS Special Program Sustainability Policy & Practice

The Project for Human Resource
Development Scholarship



Our Educational Tradition Master's Program in Environmental Sciences

When JDS Fellows join our Environmental Sciences program, they become part of Japan's oldest graduate program in environmental studies, the history of which has spanned for about 40 years. This Program has developed multidisciplinary curricula and wide-ranging international/domestic internships. Our proud tradition continues with our unbroken commitment to scholarly innovation, openness, international cooperation, and social responsibility. As a result, we received an award from the President of the University of Tsukuba for its outstanding contribution to university education in March in 2020.

JDS "Special" Tailor-made Program

Our Educational activities for the JDS special program focus on four activities

Annual International Seminars



International Seminar

We invite distinguished speakers from top-notch universities or research institutions in Japan and other countries. JDS Fellows not only listen to the lectures of these guests but also present their research topics in order to receive advice from the guests. These seminars seek to improve each Fellow's research and help to expand Fellows' academic networks.

Overseas Research & Seminars



International Internship in Netherlands

JDS Fellows have opportunities to participate in overseas seminars with at least one of our faculty members so that they learn how to undertake research and survey for data collection. They can also expand their global leadership networks.

Field Trip in Japan



Field Trip in Hokkaido

JDS Fellows join field trips in Japan that are specially designed to respond to the development issues of Fellows' countries. In the past, JDS Fellows went to places where they could observe and examine issues that are related to waste treatment, recycling technology, forest conservation, protected area policies, rural development, urban planning, biodiversity and satoyama, traditional knowledge, tourism, environmental disaster prevention, public works, pollution, climate change, and energy problems, among many others.

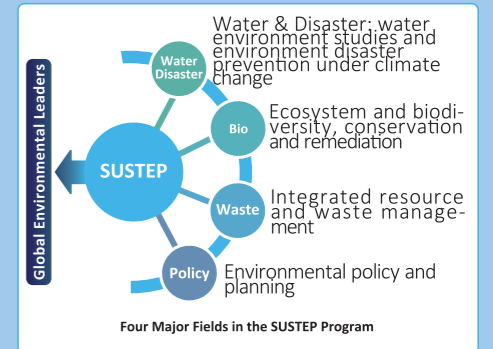
Learning Environment



Central Library

The Master's Program in Environmental Sciences has webpages that are designed for JDS Fellows. Also, it has constantly improved its on-line teaching capacity. By having access to these websites, JDS Fellows and other students can receive course information, reading materials and important news about courses. Campus-wide on-line course registration is also available in English.

Once admitted, JDS Fellows register for the SUSTEP (Sustainability Science, Technology, and Policy) certificate program. The SUSTEP Program aims to foster global leaders, who are highly trained in science/technology, humanity/social sciences, and diplomacy/leadership. It is designed for educating both Japanese and international students for both degrees and certificates. The SUSTEP Program has four "major" fields to choose from.



SUSTEP Certificate Program: 4 Majors For Fostering Future Global Leaders

Environmental Hydrology and Disaster Prevention in Climate Change

The hydrological cycle is the principal component in the global environment and life. Also, natural disasters profoundly affect human life in a variety of regions on earth. Both phenomena are relevant climate change issues. In this Major, students are expected to make important contributions to maintaining a sustainable and safe water environment, disaster prevention and climate system.

Ecosystem and Biodiversity Conservation and Remediation

Ecosystem and biodiversity protection, rehabilitation, and restoration are urgently needed. In response to human-induced and natural disturbances such as air and water pollution, deforestation and natural disasters, animals, plants, and microorganisms have developed their survival abilities through defense mechanisms and remediate environments, which may contain breakthrough ideas to solve interlocked problems. This major will help students enhance their ability to create innovative measures to mitigate complicated environmental issues.

Integrated Resource and Waste Management

This major offers a set of courses for students who wish to acquire advanced knowledge about best available technologies and management systems that control and reduce the generation of waste through the whole product and system lifecycle. It also focuses on adaptive control approaches that improve in system performance. It also provides students with advanced professional and technical knowledge in the management of environmental risk, including the risk of toxic waste to human health and the management of e-waste.

Environmental Policy and Planning

This major aims to foster experts who are able to: (1) identify socio-economic and ecological factors behind environmental problems; (2) profile the structure and mechanism of competing interests; (3) identify suitable and adaptable environmental remediation technologies and policies in order to control the environment and natural resources; and (4) construct a comprehensive environmental plan. Main topics of interests are environmental economics, environmental leadership, environmental ethics, regional studies, and urban planning.

1st Year : October 2022 – September 2023			2nd Year : October 2023 – September 2024	
September	Fall Semester: October - February	Spring Semester: April - September	Fall Semester: October - February	Spring Semester: April - September
Guidance for the degree program and SUSTEP certificate program	Compulsory courses: - "Introduction to Environ. Sci." - "Exercises in Environ. Sci." - "Field and Laboratory Practices in Environ. Sci."	• Elective courses • Laboratory seminars • Field survey for theses	• Elective courses • Laboratory seminars	Master's Theses: • Interim presentation • Thesis course registration • Final presentation • Oral examination Graduation in September
JDS general guidance	JDS International Seminar (Presentation)		JDS International Seminar (Presentation)	
		Field trips	Conferences	



Presentation of JDS students in Okinawa



Field trip to Delft University of Technology



Shimoda Marine Research Center