Go to the next page for detailed information.

The University of Tokyo
Graduate Program in Sustainability Science -
Global Leadership Initiative

東京大学大学院新領域創成科学研究科
サステイナビリティ学グローバルリーダー養成大学院プログラム

http://www.sustainability.k.u-tokyo.ac.jp
Message from Coordinator

Sustainability is an indispensable keyword for the future of humankind. No matter who you are, where you live, and what you do, you must always keep "sustainability" in the forefront of your mind if you truly want to make a positive contribution to our common future. Fortunately, to meet such a concern, a number of academic programs named after "sustainability" have been established in various universities around the world.

The Graduate Program in Sustainability Science -Global Leadership Initiative (GPSS-GLI) is proud to be one of the leading, pioneer programs in sustainability science in the world today. However, you may ask yourself: why study sustainability in Japan? What is the uniqueness of the program?

Japan has been accommodating over 120 million people on a very limited habitable land area with virtually no natural resources, yet with frequent natural disasters caused by earthquakes, tsunamis, and typhoons. We Japanese, therefore, have had to carefully examine not only the property and designs of our society, but our ethics, lifestyle, and behavior within the parameters of our limited resources and the frequency of natural disasters. "Mottainai", a Japanese expression meaning to minimize wasteful habits, clearly represents such culture that the Japanese have developed. Although Japanese society seems to have regretfully forgotten such a common attribute of our society and have lightheartedly enjoyed consuming energy and materials during the post war era, the contemporary concern for sustainability has rung the bell to revive the underlying virtues of the Japanese people. Studying sustainability in Japan includes not only attending classes and seminars on campus, but experiencing such a society based on the idea of "mottainai", a model that the world should consider as one of the models for our common sustainable future. We hope to have students who respect this concept, and thus wish to learn such common culture that the Japanese have been nurturing for so many years.

Although "sustainability" has come to be a keyword for the world’s future, no clear definition of the term has ever been achieved. GPSS-GLI too has been established without such a definition; and moreover, our sustainability program has no specific textbook even after having been established more than seven years ago. Why? Because we want our students to contribute to the development of this new scientific discipline called "sustainability science". We neither intend to provide an established framework, technologies, nor tools for sustainability. GPSS-GLI is the place for those who want to discover and develop sustainability science. What we expect of our students, and those who will be our students, is to become one of the frontrunners in fostering sustainability science, and to become those who develop their own framework and definition of sustainability. If you are looking for individual technologies/tools to achieve sustainability under a well-established framework, then GPSS-GLI is not the place for you. We do not expect our students to be followers. We expect students to collaborate with us in our efforts, and to become the leaders of the sustainability movement that our world needs. Sustainability science is yours to develop.

MINO Takashi
Coordinator, GPSS-GLI
Dean, Graduate School of Frontier Sciences
The University of Tokyo
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Message from the President

Since establishing the Integrated Research System for Sustainability Science (IR3S) in 2005 and the Graduate Program in Sustainability Science (GPSS) in 2007, The University of Tokyo has become a widely recognized leader in advancing sustainability research and in practically applying research findings through collaborative partnerships beyond the university.

Building on the foundations and progress forged by IR3S and GPSS, “The Graduate Program in Sustainability Science-Global Leadership Initiative (GPSS-GLI)” was established in 2011 to advance the field of sustainability science by aiming at training individuals with extensive knowledge, intensive specialization, and ethically sound principles—the next generation of ‘global leaders’. As a collaborative effort between the Graduate School of Frontier Sciences and the United Nations University (UNU), GPSS-GLI combines the educational resources and international research networks of these leading institutions and thereby provides participants with the training and opportunities necessary to become global leaders.

I believe that GPSS-GLI is one of the benchmarking programs for fostering global leaders in the field of sustainability science through the indispensable collaboration and partnerships among the key actors.
Objectives
GPSS-GLI equips future global leaders to make a profound impact in the area of sustainability science and sustainable development. As a collaborative effort between the University of Tokyo's Graduate School of Frontier Sciences (GSFS) and the United Nations University (UNU), the GPSS-GLI combines the educational resources and international research networks of these leading institutions to provide students with the training and opportunities necessary to become global leaders. Through foundation courses and intensively specialized studies as well as international and hands-on experience, students develop the skills necessary for global leadership, acquire a broad perspective and problem-solving capabilities, and learn to apply the concept of “resilience” both in theory and practice.

プログラムの目的
GPSS-GLIは、サステイナビリティ学や持続可能な開発分野の発展に貢献し、将来リーダーシップを発揮することができるグローバルな人材を育成することを目的としています。東京大学大学院新領域創成科学研究科と国連大学 (UNU) との連携により、本プログラムで学ぶ学生は、世界の主要大学・研究機関の教育資源や国際的なリサーチネットワークを利用できるほか、グローバルリーダーの育成に必要となる研修やさまざまな機会を得ることができます。このプログラムでは、専門性の高い研究や一般教育に加えて国際的な実践経験を積むことにより、(1) グローバルリーダーシップに必要なスキルを開発し、(2) 幅広い観点や問題解決能力を獲得し、(3) 「レジリエンス」という概念を理論と実践の両面に適用するスキルを身に付けることができます。
Program Features

1. Combined master’s and doctoral degree programs based on an integrated course of study that aims to train individuals to be leaders in the development of sustainable societies
2. Transdisciplinary education and English-only curriculum attracting students with diverse expertise from around the world and emphasizing interaction between students and faculty
3. Strong international research and education networks in sustainability—as evidenced by collaboration with the United Nations University (UNU) and other leading international universities in sustainability research—which aim to provide a wide range of educational opportunities to students
4. Hands-on education through fieldwork and internships in research areas as diverse as disaster recovery, development, environmental conservation, and urbanization and depopulation
5. Training in real-world problem solving and future planning through collaboration with corporate partners involved in the UN-Global Compact, and incorporation of development issues into the curriculum in collaboration with the Asian Development Bank and the Japan International Cooperation Agency
6. Fall enrollment to actively promote international exchange with foreign universities and institutions
7. University-wide cooperation led by the TODIAS/IR3S and the GSFS, and strong connections to the Graduate School of Engineering, Graduate School of Agricultural and Life Sciences, Graduate School of Medicine, and Atmosphere and Ocean Research Institute
8. Training for future global leaders who will, through the transboundary linkages of the GPSS-GLI, acquire the broad perspective and experience necessary to contribute to global sustainability

プログラムの特徴

1. 修士課程と博士課程のプログラムを一体的に運営して、持続可能な社会の発展に貢献するリーダーとなる人材の育成を目指す。
2. 領域横断的な教育と英語のみによるカリキュラムを実施して、さまざまな専門知識を有する学生を世界中から募るとともに、学生と教員との交流を重視する。
3. 国連大学やサステイナビリティ研究を主導する海外の大学と連携し、強力な国際的研究教育ネットワークを活用し、学生に多様な教育機会を提供する。
4. 災害復興、開発、環境保護、都市化、過疎化などのさまざまな研究分野で、フィールドワークやインターンシップを通じた実践型の教育を行う。
5. パートナー企業との連携を通じて、実務における問題解決の手法や将来計画の作成について学ぶ。
6. 秋入学を実施することで、海外の大学や研究機関との国際交流を積極的に推進する。
7. 国際高等研究所サステイナビリティ学連携研究機構 (TODIAS/IR3S) と新領域創成科学研究科を中心とし、大学院工学系研究科、大学院農学生命科学研究科、大学院医学系研究科、大気海洋研究所との密接な関係に基づく全学的な協力体制でプログラムを運営する。
8. GPSS-GLIの領域横断的なつながりを活用して、世界の持続可能性に貢献し、グローバル・リーダーシップを発揮するために必要な幅広い見識と経験を兼ね備えた人材を育成する。
Basic Concept: The Three Components of the Curriculum

The GPSS-GLI curriculum is comprised of the following three components:
1. Foundation and specialized courses covering key issues related to sustainability
2. Diverse exercise and theoretical courses aimed at enhancing such skills as communication, systems thinking, social surveys, and data analysis through hands-on training and discussion
3. A comprehensive research process, spanning from the selection of a research topic, development of a research framework, and compilation of a master’s thesis and doctoral dissertation.

Resilience: A Keyword throughout the Entire Curriculum

The curriculum of the GPSS-GLI revolves around the keyword of “resilience.” Whether the specific issue under consideration is post-disaster reconstruction, climate change, or renewable energy, the overarching issue of the program is to train participants to skillfully bring together the short-term resolution of immediate risks with a long-term view of sustainability.
**Master’s Theses and Doctoral Dissertations**

All GPSS-GLI students are required to complete a master’s thesis or a doctoral dissertation on sustainability science through the compulsory thesis-related courses: “Master’s Research on Sustainability Science” and “Doctoral Research on Sustainability Science.” Students are encouraged to conduct research activities outside traditional academic disciplines such as applying transdisciplinary and integrative approaches to specific challenges related to sustainability, or proposing novel paradigms and value systems for establishing a sustainable society.

**Primary Advisor, Secondary Advisor, and Mentor**

Research on sustainability requires diverse concepts, tools, and methodologies, so GPSS-GLI students are strongly encouraged to discuss issues with faculty members from a variety of backgrounds and to choose their supervisor after careful deliberation. All students will have a primary advisor, a secondary advisor, and a mentor. Your primary advisor is the faculty member who is mainly responsible for guiding you in your research and leading you to a successful result.

Secondary advisor faculty generally comes from a different background than that of the primary advisor to complement the support of the primary advisor under that faculty’s direction and supervision. Secondary advisors provide students with concepts and methodologies for utilizing and integrating diverse academic fields and disciplines.

Mentors provide even more meticulous support in the specific aspects of research on a more frequent basis under the guidance and direction of the primary advisor or secondary advisor. Mentors may or may not be teaching faculty.

The decision on granting a master’s or doctoral degree will be made by considering the primary advisor’s evaluation of the thesis, secondary advisor’s evaluation of the thesis, and the evaluation of the final presentation.

**修士論文および博士論文**

GPSS-GLIのすべての学生は、修士および博士課程の必修科目である「サステイナビリティ学修士研究」または「サステイナビリティ学博士研究」を履修して、修士論文または博士論文を提出する必要があります。サステイナビリティに関連する特定の問題に領域横断的・統合的なアプローチを適用したり、持続可能な社会の構築に向けて新しいパラダイムや価値体系を提示したりするなど、既存の学問領域には収まらない研究活動を行うことが期待されています。

**指導教員、副指導教員、メンター**

サステイナビリティに関する研究では、さまざまな概念、ツール、方法論を駆使する必要があることから、GPSS-GLIの学生は、専門の異なる多様な教員と課題について話し合うことを通じ、指導教員を選ぶを求められています。また、様々な学問分野や領域を活用し統合するための概念と方法論を学ぶために、各学生は指導教員とは専門の異なる教育を副指導教員として選ぶことができます。学生は指導教員と相談のうえ、副指導教員を決定します。

修士および博士の学位の授与は、指導教員と副指導教員を中心とした専門の異なる複数の教員による、修士論文あるいは博士論文ならびに最終発表に対する評価によって決定されます。
Experiential Courses

The experiential courses are part of our unique curriculum that emphasizes hands-on experience to acquire the skills related to sustainability, rather than simply gaining book knowledge of the subject matter. The courses include training in systems thinking to be able to assess circumstances properly from a comprehensive perspective, acquisition of the facilitation and negotiation skills necessary for building consensus, development of the ability to think globally and understand cultural diversity so that work can be performed responsibly in an international setting, and a wide range of case studies related to international cooperation and environmental issues. Students from different specializations and cultural backgrounds grapple with sustainability-related issues through demanding case studies and projects and acquire practical knowledge and skills by stimulating one another intellectually.

Field Exercise Courses

Global Field Exercise (GFE)

GFE takes place several times each year in cooperation with collaborating partners in Asia and Africa. Various GFE “units” are created and students are selected to join them. GFE is intended to broaden students’ perspectives and cultivate an on-the-ground competency to identify and resolve problems through various activities, including preliminary surveys, site visits, experimental studies, discussions with various stakeholders (including local researchers and administrators), engagement in group work activities, and compilation and presentation of reports. Participants are in the field for about 2 weeks.

Resilience Exercise (RE)

The sustainability of our lifestyles is threatened by long-term environmental shifts, such as climate change, natural calamities, human-made disasters, and environmental destruction. Resilience, the ability to recover from such external disturbances, is a crucial factor in building a sustainable society. Resilience Exercise addresses the development of a resilient society through hands-on work on reconstruction projects related to the Great East Japan Earthquake and tsunami of March 2011 as well as studies of past disasters.
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**Leadership Experiential Course (For Doctoral Student Only)**

**Global Leadership Exercise (GLE)**

GLE is a compulsory course for doctoral students and is composed of two parts: Project Management Practice (PMP) and Interactive Seminar with Leaders (ISL). The overall purpose of GLE is to develop students’ leadership skills. In PMP, students are responsible for planning, implementing, and evaluating (which, preferably, is published as a paper) a sustainability-related project. The projects appropriate for PMP may be announced, identified, or defined each year. Students are expected to create visible outcomes from their PMP that will contribute to society or academia. ISL is typically a one-day seminar and is organized once or twice a year. At ISL, students interact with an invited guest with real-world leadership experience so that they can gain a sense of what true leadership requires. In the interactive seminar, the invited leader offers lectures on their own experience and concepts relevant to leadership development and engages in detailed discussions with students.

**Global Internship**

GPSS-GLI students are offered real-world experience with important actors of the society, such as business enterprises and public administration. Through Global internships, students gain the skills and knowledge needed to solve problems as a global leader.

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Students’ Voice
Marcin Jarzebski
Doctoral student
“I am focusing on the community forestry in the Philippines for sustainable development of the local communities. Forests provide not only cash income by timbers, but also various riches which local communities can depend on for their livelihood. I believe that sustainable forest management through collaboration with communities will build a sustainable future. GPSS-GLI gives variety of opportunities such as international symposia, internships and field exercises which we visit all over the world to study and experience the current sustainability issues. I guarantee that you will get stimulated by this brand new program!”

Jeong Wonjin
Master’s student
“I would like to become a leader for corporate sustainability”
I believe leaders who can improve corporate sustainability are indispensable to achieve a sustainable society. GPSS-GLI is a great community for everyone who shares a passion for the susuainable future. Students with diverse backgrounds are motivated to challenge themselves academically and practica lly. I have been given a great opportunity to expand my experiences and knowledge, and am working towards my dream.

工藤 尚悟
博士課程学生
“高齢化・人口減少時代における持続可能な地方社会のあり方を考える”
日本の持続可能性に関する課題の1つに高齢社会があります。社会保障に関する議論が広く行われるなか、急速な高齢化・人口減少を経験しているのは地方社会です。高齢化・人口減少時代における地方社会の持続可能な発展のあり方とはどのようなものなのか。日本がこの問いに答えていくことで、中国やタイをはじめとした、来るべきアジアの高齢化への視座が得られると考えています。

永井 宏樹
修士課程学生
“現場を訪れる”
東日本大震災で被災した中小企業向けの復興支援制度について研究しています。研究と並行して、情報発信を通じて被災事業者を応援する活動を、岩手県と共同で行なっています。GPSS-GLIの魅力は、東北の被災地や発展途上国など、問題が起きている現場を実際に訪問し、現地の人から直接話を聞く機会を得られることだと感じています。加えて、国籍や専門が異なる先生・学生との議論を通じて、様々な視点を得ることができるのも大きな魅力です。

List of Experiential Courses

<table>
<thead>
<tr>
<th>Dates</th>
<th>Name of the Unit</th>
<th>Place</th>
<th>Number of Students</th>
<th>Theme of the unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>November 20 - 25, 2012</td>
<td>RE Minamata 2012</td>
<td>Minamata city (Japan)</td>
<td>7</td>
<td>Role of scientists, policy makers and citizens: Case of long lasting Minamata Disease issues</td>
</tr>
<tr>
<td>February 15 - 26, 2013</td>
<td>Field Exercise on Frontier Issues USA</td>
<td>Philadelphia, Portland, (USA)</td>
<td>7</td>
<td>Sustaining the urban agriculture movement: Investigation of best practices from Philadelphia and Portland</td>
</tr>
<tr>
<td>February 15 - 26, 2013</td>
<td>Field Exercise on Frontier Issues Sweden and Denmark</td>
<td>Copenhagen, Samso Island, Aarhus (Denmark) Malmo, Lund (Sweden)</td>
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<td>Citizen’s participation in sustainability practice in Oresund region</td>
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<tr>
<td>February 23 - March 10, 2013</td>
<td>Field Exercise on Frontier Issues Africa</td>
<td>Ibadan(Nigeria), Capetown, Stellenbosch (South Africa)</td>
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<td>Sustainability science in action</td>
</tr>
<tr>
<td>February 27 - March 13, 2013</td>
<td>Field Exercise on Frontier Issues Bhutan</td>
<td>Bhutan</td>
<td>5</td>
<td>Gross national happiness and sustainability</td>
</tr>
<tr>
<td>August 1 - 10, 2013</td>
<td>RE Tohoku 2013</td>
<td>Otsuchi-town (Japan)</td>
<td>11</td>
<td>Building resilient society</td>
</tr>
<tr>
<td>August 3 - 15, 2013</td>
<td>GFE Bangkok 2013</td>
<td>Bangkok, Chiangmai (Thailand)</td>
<td>1</td>
<td>Sustainable urban water management: Special focus on flood management and public health issues in Thailand</td>
</tr>
<tr>
<td>September 15 - 22, 2013</td>
<td>GLE France 2013</td>
<td>Marseille, Paris (France)</td>
<td>5</td>
<td>Sustainability and regional resilience</td>
</tr>
<tr>
<td>November 1 - 9, 2013</td>
<td>GLE Chile 2013</td>
<td>Conception (Chile)</td>
<td>4</td>
<td>Co-benefit assessment of coastal structures for building tsunami disaster resilience: A case study of the greater Concepcion region</td>
</tr>
<tr>
<td>November 8 - 20, 2013</td>
<td>GLE Brazil 2013</td>
<td>Rio de Janeiro (Brazil)</td>
<td>4</td>
<td>Resilient cities</td>
</tr>
<tr>
<td>November 26 - December 5, 2013</td>
<td>GLE Sweden 2013</td>
<td>Stockholm (Sweden)</td>
<td>4</td>
<td>Creating a student research exchange platform on resilience</td>
</tr>
<tr>
<td>February 15 - March 2, 2014</td>
<td>GFE Capetown 2013</td>
<td>Capetown (South Africa)</td>
<td>7</td>
<td>Community sustainability and future aspiration in Capetown, South Africa</td>
</tr>
<tr>
<td>February 15 - March 2, 2014</td>
<td>GFE Ibadan 2013</td>
<td>Ibadan (Nigeria)</td>
<td>7</td>
<td>Bottom-up and top-down approaches toward natural resource conservation in south western Nigeria</td>
</tr>
<tr>
<td>August 3 - 15, 2014</td>
<td>GFE Oasis 2014</td>
<td>Lanzhou, Zhangye (China)</td>
<td>7</td>
<td>Sustainable integrated watershed management in arid and semi-arid regions: A case of the Heihe river basin, China</td>
</tr>
<tr>
<td>August 5 - 18, 2014</td>
<td>GFE Bangkok 2014</td>
<td>Bangkok (Thailand)</td>
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<td>Health risk assessment for vulnerable environment due to urban development</td>
</tr>
<tr>
<td>September 7 - 14, 2014</td>
<td>RE Tohoku 2014</td>
<td>Otsuchi-town (Japan)</td>
<td>9</td>
<td>Building resilient society</td>
</tr>
<tr>
<td>February 14 - 28, 2015</td>
<td>GFE Nairobi 2014</td>
<td>Nairobi (Kenya)</td>
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<td>Sustainable urban development</td>
</tr>
<tr>
<td>February 27 - March 4, 2015</td>
<td>RE Minamata 2014</td>
<td>Minamata city (Japan)</td>
<td>10</td>
<td>Community revitalization and long lasting Minamata Disease issues</td>
</tr>
<tr>
<td>March 1 - 11, 2015</td>
<td>GFE Costa Rica 2014</td>
<td>San Jose, Puntarenas (Costa Rica)</td>
<td>5</td>
<td>Creating value through biodiversity conservation</td>
</tr>
</tbody>
</table>
Students’ Voice

Marcin Jarzebski
Doctoral student

“Community forestry for sustainable future”

I am focusing on the community forestry in the Philippines for sustainable development of the local communities. Forests provide not only cash income by timbers, but also various riches which local communities can depend on for their livelihood. I believe that sustainable forest management through collaboration with communities will build a sustainable future. GPSS-GLI gives variety of opportunities such as international symposia, internships and field exercises which we visit all over the world to study and experience the current sustainability issues. I guarantee that you will get stimulated by this brand new program!

Jeong Wonjin
Master’s student

“I would like to become a leader for corporate sustainability”

I believe leaders who can improve corporate sustainability are indispensable to achieve a sustainable society. GPSS-GLI is a great community for everyone who shares a passion for the susuainable future. Students with diverse backgrounds are motivated to challenge themselves academically and practically. I have been given a great opportunity to expand my experiences and knowledge, and am working towards my dream.

工藤 尚悟
博士課程学生

“高齢化・人口減少時代における持続可能な地方社会のあり方を考える”

日本の持続可能性に関する課題の１つに高齢社会があります。社会保障に関する議論が広く行われるなか、急速な高齢化・人口減少量を経験しているのは地方社会です。高齢化・人口減少時代における地方社会の持続可能な発展のあり方とはどのようなものなのか。日本がこの問いに答えていくことで、中国やタイをはじめとした、来るべきアジアの高齢化への視座が得られると考えています。

永井 宏樹
修士課程学生

“現場を訪れる”

東日本大震災で被災した中小企業向けの復興支援制度について研究しています。研究と並行して、情報発信を通じて被災事業者を応援する活動を、岩手県と共同で行なっています。GPSS-GLIの魅力は、東北の被災地や発展途上国など、問題が起きている現場を実際に訪問し、現地の人から直接話を聞く機会を得られることだと感じています。加えて、国籍や専門が異なる先生・学生との議論を通じて、様々な視点を得ることができるのも大きな魅力です。
Scholarships

Please refer to the latest information on the GPSS-GLI website.

**Japanese Government (MEXT) Scholarship**
GPSS-GLI has been selected as special program of the Japanese Government (MEXT) Scholarship. The application deadline for the scholarship is in December.

**アジア開発銀行（ADB）- 日本奨学金プログラム**

Students who meet the eligibility requirements may also apply for this scholarship through GPSS-GLI.

**Housing Facilities**

Several furnished housing facilities are offered from UTokyo, for international students, researchers, and some Japanese students as well. Japanese culture-specific customs such as deposits (shiki-kin), key money (reikin), and the guarantor system are unnecessary to live in UTokyo offered housings, so that international students and researchers can start new life in Japan smoothly.

**Kashiwa International Village**

**International Lodge, Kashiwa Lodge**
http://www.u-tokyo.ac.jp/en/administration/housing-office/housing/shukusha/kashiwa.html

**Associated Student Residence (Private accommodation with UTokyo support)**
http://www.u-tokyo.ac.jp/en/administration/housing-office/housing/minkan/index.html

**住居**
東京大学は研究教育の国際交流に資するため、外国人研究者や留学生に提供しています。東京大学が提供する宿舎（家具付き）は、契約時の敷金・礼金・保証人などが不要となっており、留学生・外国人研究員がスムーズに日本での生活を始められます。

**Handbook of KASHIWA Campus Life**
This handbook contains useful information compiled in order for students and researchers to enjoy life at The University of Tokyo’s Kashiwa Campus.

**ハンディカブリハンドブック**
このハンドブックは、皆さんが東京大学柏キャンパスで快適な生活を送れるよう、必要な情報を集めたものです。
Admissions

Who to Apply?

Sustainability science is a field of science which is not yet regarded as a fully established discipline in its own right. Not only that, but we still do not have an accepted definition and understanding of the term "sustainability", even though it has been regarded as one of the indispensable keywords in the future of human beings.

Why? Because "sustainability" is a term which cannot be statically defined but aims to express dynamically changing processes that depend on various social and natural environments. Sustainability science is also a scientific discipline which cannot statically define its identity in a conventional manner. The identity of sustainability science may be nested in the dynamic character in which its domain changes according to contemporary relationships with other neighboring scientific disciplines.

GPSS-GLI is a platform for those who wish to be a part of, and consequently a leader of, dynamically evolving processes of sustainability science. GPSS-GLI welcomes a person who would wish to become an umbrella that warmly accommodates people rather than an individual who wishes to be protected by a ready-made umbrella. We expect our students not to think what sustainability science can provide them, but think what they can do for the future of sustainability science. GPSS-GLI is the place for those who enthusiastically seek the role of a path-finder in sustainability science.

Who Can Be Your Primary Advisor?

A great variety of the research area related with sustainability is covered by the Graduate Program in Sustainability Science - Global Leadership Initiative (GPSS-GLI) with the cooperation of the Division of Transdisciplinary Sciences, the Division of Biosciences and six departments (Dept. of Natural Environmental Studies, Dept. of Ocean Technology, Policy, and Environment, Dept. of Environment Systems, Dept. of Human and Engineered Environmental Studies, Dept. of Socio-Cultural Environmental Studies and Dept. of International Studies) in the Division of Environmental Studies (all of the three divisions are under Graduate School of Frontier Sciences), Graduate School of Engineering, Graduate School of Agricultural and Life Sciences, Graduate School of Medicine, Integrated Research System for Sustainability Science (TODIAS/IR3S), Atmosphere and Ocean Research Institute (AORI) and United Nations University (UNU). Students can find their expected primary advisors from the list of the possible primary advisors nominated from these graduate schools and institutions. Whoever is chosen, students can access a deeply specialized research and education environment within a border/integrated approach.

Especially during the master's program, primary advisors will be determined after enrollment through several individual meetings with different faculty members. Please note that it is possible to eventually choose as primary advisors other faculty members than those nominated at the moment of your initial application.

For doctoral program, it is strongly recommended to contact possible primary advisors before application in order to find an appropriate faculty member who can cover the research area in which you are interested.

指導教員はど 样 な 人 か?

現在のサステイナビリティ学の研究領域は、具体的な学問領域ではありません。したがって、「サステイナビリティ」という言葉自体、人類の未来を描く上での不可欠なキーワードであるにもかかわらず、その定義も確立されていません。なぜでしょうか、それは、「サステイナビリティ」がダイナミックなプロセスを表す言葉であり、何がサステイナビリティかは、対象とする社会環境や自然環境等、その時々の条件によって変わっていくものだからです。同様にサステイナビリティ学も、旧来の学問分野のように、固有の概念や手法を基礎に、アイデンティティが固有に定義されるべきものではないでしょう。時代の要請や他の近隣の学問領域との関係で、ダイナミックにそのカバー領域が変動することこそ、サステイナビリティ学のアイデンティティがある、と言えるかもしれません。GPSS-GLIは、ダイナミックな変革を続けるサステイナビリティ学の形成にかかわり、変革をリードしたい人々が集うプラットフォームです。大きな寄与を果たす一方で、未来の社会を自らの緑陰に扶養できる大樹になりたい、サステイナビリティ学が与えてくれるものに期待するのでなく、自らがサステイナビリティ学の発展に貢献したい。そうした志と情熱を共有しつつ、私たちとともにサステイナビリティ学創成の最先端を走る気概に満ちた学生諸君を歓迎します。
| Program Head / プログラム長 |
| SATO Toru, Professor |
| (Ocean Technology, Policy and Environment) |
| Marine Environmental Monitoring and Synthesizing |
| 海洋環境科学部 |

| GPSS-GLI Coordinator / GPSS-GLI コーディネーター |
| MINO Takashi, Professor |
| (Socio-Cultural Environmental Studies) |
| Sustainability Education, Sustainability Science, Environmental Microbiology, Waste Water Engineering |

| Faculty / 教員 |
| ASAMI Yasushi, Professor |
| (Urban Engineering, Engineering) |
| City planning, Housing policy, Spatial Information Analysis |
| 都市計画、住宅政策、空間情報解析 |

| CHEN Yu, Associate Professor |
| (Human and Engineered Environmental Studies) |
| Complex Systems |

| DANG Chaobin, Associate Professor |
| (Human and Engineered Environmental Studies) |
| Human, Energy and Environment |
| 人間エネルギー環境学 |

| DEGUCHI Atsushi, Professor |
| (Socio-Cultural Environmental Studies) |
| Urban Design, Compact City, Town Management, Design Guideline, Asian Urbanism |
| 都市デザイン、コンパクトシティ、デザインガイドライン、アジアアーバンシステム |

| ESTEBAN Miguel, Project Associate Professor |
| (GPSS-GLI) |
| Tsunami, Renewable Energy, Atolls and Law of the Sea |
| 地震、再生可能エネルギー、珊瑚礁 |

| FUKUNAGA Mayumi, Associate Professor |
| (Socio-Cultural Environmental Studies) |
| Environmental Justice, Environmental Ethics, Adaptive Management and Governance of Natural Resources |
| 環境正義、環境倫理、自然資源の適応的管理とガバナンス |

| FUKUSHI Kensuke, Professor |
| (TODIAS/RSS) |
| Environmental Risk Management, Sustainability Science |
| 環境リスク管理、持続可能性科学 |

| GASPARATOS Alexandros, Associate Professor |
| (TODIAS/RSS) |
| Ecological Economy, Sustainability Assessment, Ecosystem Services Valuation |
| 生態経済学、持続可能性評価、生態系サービス評価 |

| HONDA Riki, Professor |
| (International Studies) |
| Evaluation of Disaster Planning and Management, Social Network Dynamics |
| 防災計画と災害対応の評価、社会ネットワーク動学 |

| HORITA Masahide, Professor |
| (International Studies) |
| Social Safeguard in Development, Infrastructure Project Management, Group Decision and Negotiation |
| 社会安全保証、インフラプロジェクト管理、集団決断と交渉 |

| IHARA Tomohiko, Associate Professor |
| (Environment Systems) |
| Urban Heat Island, Building Energy System, Life Cycle Assessment |
| 都市熱アイランド、建築エネルギーシステム、ライフサイクル評価 |

| INAMASU Ryoichi, Associate Professor |
| (Natural Environmental Studies) |
| Numerical Modeling for Global Environmental Issues |
| ボードモデルによる地球環境問題評価 |

| KITAMURA Yuto, Associate Professor |
| (Center for Excellence in School Education, Education) |
| Comparative Education, International Educational Development Studies, ESD |
| 比較教育学、国際教育開発研究、ESD |

| KOGURE Kazuhiro, Professor |
| (Advanced Materials Science) |
| 聚合物科学、ソフトマテリアル、高性能マテリアル |

| KOGURE Kazuhiro, Professor |
| (Natural Environmental Studies) |
| Marine Microbiology, Study on “Satoumi” |
| 海洋微生物学、サトウミ研究 |

| KOGURE Kazuhiro, Professor |
| (Advanced Materials Science) |
| 聚合物科学、ソフトマテリアル、高性能マテリアル |

| MATSUDA Hirotaka, Project Associate Professor |
| (GPSS-GLI) |
| Poverty Reduction, Agricultural Research and Development (Agricultural R&D), Agricultural Productivity |
| 貧困緩和、農業研究開発（農業R&D）、農業生産性 |

| OGUCHI Takashi, Professor |
| (Natural Environmental Studies) |
| Marine Microbiology, Study on “Satoumi” |
| 海洋微生物学、サトウミ研究 |

| OHYA Yoshikazu, Professor |
| (Integrated Biosciences) |
| Molecular Biology, Biodiversity, Molecular Evolution |
| 分子生物学、生物多様性 |

| ONUKI Motoharu, Associate Professor |
| (GPSS-GLI) |
| Environmental Education, Sustainability Education, Water Environmental Engineering |
| 環境教育、持続可能性教育、水環境工学 |

| OSHIMA Yoshito, Professor |
| (Environment Systems) |
| Chemical Engineering, Environmental Safety |
| 化学工学、環境安全 |
OZAKI Masahiko, Professor
(Ocean Technology, Policy and Environment)
C/O: Offshore Electrical Storage, Computational Fluid Dynamics
尾崎 雅彦 教授（海洋技術環境学）
C/O: 海洋貯電, 海洋産業システム

YAMAI Eiji, Professor
(International Studies)
Development, Rural planning, Land consolidation, SRI (System of Rice Intensification)
山路 永司 教授（国際協力学）
地域開発, 地域計画, 園場整備（農地区間整理）, SRI

SAKAMOTO Maiko, Associate Professor
(International Studies)
International River Management, Public Health, Participatory Development, Mathematical Model Analysis, Social Survey and Statistics
坂本 麻衣子 准教授（国際協力学）
国際河川管理, 公衆衛生, 参与型開発, 数理モデル分析, 社会統計分析

YAMAMOTO Hirokazu, Professor
(Natural Environmental Studies)
Sustainable Forest Management, Forest Resources, Forest Environment, Bio-diversity, Timber Production
山本 博一 教授（自然環境学）
持続可能な森林管理, 森林資源, 森林環境, 生物多様性, 木材生産

SASAI Jun, Professor
(Socio-Cultural Environmental Studies)
Coastal Engineering, Hydro-environmental Engineering, Coastal Environment and Disaster Mitigation
佐々木 浩 教授（社会文化環境学）
海岸工学, 環境水工学, 沿岸域の環境と防災

SUGAI Tosihiko, Professor
(Natural Environmental Studies)
Natural Environmental Changes
須賀 勝彦 教授（自然環境学）
自然環境変動学分野

SUZUKI Aya, Lecturer
(International Studies)
Poverty Alleviation, Industrial Development, Applied Micro-economics, Sub-Saharan Africa
鈴木 英之 教授（海洋技術環境学）
貧困軽減, 産業開発, 実用ミクロ経済学, 南サハラアフリカ

SUZUKI Hideyuki, Professor
(Ocean Technology, Policy and Environment)
Ocean Resource and Energy
鈴木 弘之 教授（海洋技術環境学）
海洋資源エネルギー学分野

TABELA Shigeru, Professor
(Environmental Systems)
Marine Environment Systems, Marine Ecosystem Modelling, Coastal Environment and Fishery
田澤 昌弘 教授（環境システム学）
海洋環境システム, 海洋生態系モデルリング, 沿岸域環境と漁業

TAKAGI Ken, Professor
(Ocean Technology, Policy and Environment)
Ocean Technology Policy
高木 健 教授（海洋技術環境学）
海洋技術政策学分野

TASAKI Tomohiro, Visiting Professor
(Environmental Systems)
Environmental Product Policy, Waste Management
田崎 聡宏 客員教授（環境システム学）
製品環境政策, 廃棄物管理

TOKUNAGA Tomochika, Professor
(Environmental Systems)
Sustainable Usage and Management of Groundwater, Evaluation of Long-term Stability of Geosphere Environment
德永 彰雄 教授（環境システム学）
持続可能な地下水源利用, 管理, 長期にわたる地図環境の安定性評価

WARISAWA Shin’ichi, Associate Professor
(Human and Engineered Environmental Studies)
Nanoscale Mechanical Resonator, Self-assembled Nano Structure, Wearable Blood Pressure Measurement, Skill Transfer in IT Agriculture
若柴 伸一 准教授（人間環境学）
微小機械振動子, 自己組織化ナノ構造, 腕装式血圧計測, IT農業における技能伝承

WASEDA Takui, Associate Professor
(Ocean Technology, Policy and Environment)
Ocean Renewable Energy; Ocean Engineering
早田 俊右 准教授（海洋技術環境学）
海洋再生エネルギー, 海洋工学

WATANABE Chiho, Professor
(International Health, Medicine)
Human Ecology, Health and Nutrition in Developing Countries
渡辺 初恵 教授（医歯学・国際健康学）
人間生態学, 発展中国家の健康と栄養

YAMAGUCHI Hajime, Professor
(Ocean Technology, Policy and Environment)
Sea Ice Prediction, Arctic Sea Routes
山口 貢 教授（海洋技術環境学）
海洋変動予測, 北極路路

YOKOHIRI Makoto, Adjunct Professor
(Graduate School of Urban Engineering, Engineering)
Landscape Planning, Ecological Planning, Environmental Planning
横原 真 教授（工学系研究科都市工学専攻）
ランドスケープ計画, 環境計画, 環境計画

YOSHIDA Yoshikuni, Professor
(Environment Systems)
Environmental Systems and Economics
吉田 好範 教授（環境システム学）
環境経済システム学分野

その他の教育スタッフ / Other Teaching Staff (Unavailable as primary advisor)

FREEMAN John, Project Professor
(GPSS-GLI)
Critical Thinking, Scientific and Technical English, Academic Writing
フリーマン 特任教授（GPSS-GLI）
批判的思考, 技術的な英語, 学術論文

HANAKI Kelsuke, Professor
(Urban Engineering, Engineering)
Urban Environmental Engineering, Reduction of Greenhouse Gas
花見 竜 教授（工学系・都市工学）
都市環境工学, 強化ガス削減

KUROKURA Hisashi, Professor
(Global Agricultural Sciences)
Global Fishery Science, Coastal Ecology
秋山 知宏 教授（国際水産開発学）
国際水産発展学, 沿岸域の生態学

TAKEUCHI Kazuhiko, Professor
(UNU, TODIAS/RASS)
Life Cycle Ecology, Sustainability Science
竹内 浩敬 教授（国連大学, 国際高等研究所）
ライフサイクル生態学, 持続可能性科学

AKIYAMA Tomohiro, Assistant Professor
(GPSS-GLI)
Hydrology, Remote Sensing, GIS, Global Environmental Studies, Integral Studies
秋山 和彦 助教（GPSS-GLI）
水文学, リモートセンシング, GIS, 全球環境学, 整合学

MUTISYA Emmanuel, Project Assistant Professor
(GPSS-GLI)
Sustainability Science, Higher Education, Sustainable Livelihoods
ムティシャ教授（GPSS-GLI）
持続可能性科学, 高等教育, 持続可能な生活様式

SEKIYAMA Makiko, Project Assistant Professor
(GPSS-GLI)
Human Ecology, International Health, Nutrition, Social Research
関西 万子 助教（GPSS-GLI）
人間生態学, 国際保健学, 栄養, 社会調査
Admission Scheme

The characteristics (eligibility, application deadline or period, date of enrollment, past results, etc.) of each scheme are summarized in the following table, but please refer to our website for the latest information. All the entrance examinations are conducted in English.

入試の種類（修士課程、博士課程）

GPSS-GLIには大きくわけて3つの入試方式があります。それぞれの出願資格、奨学金の機会、検定料、出願時期、試験日程・場所、入学時期、過去の結果は以下の表にまとめられています。最新の情報は当プログラムウェブサイトをご覧ください。なお全ての入試は英語でおこなわれます。

Master's Program

<table>
<thead>
<tr>
<th>Admission Scheme</th>
<th>Eligibility</th>
<th>Scholarship Opportunity</th>
<th>Examination Fee</th>
<th>Application Deadline</th>
<th>Venue and Date of Oral Examination</th>
<th>Anticipated Entry</th>
<th>No. of Accepted (No. of Applicants)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entrance Exam. Schedule A: Ordinary Examination</td>
<td>Graduated from a University</td>
<td>GPSS-GLI Fellowship (Only for international students, without permanent resident status)</td>
<td>30,000 JPY</td>
<td>End-June</td>
<td>Date: middle-August Venue: Kashiwa campus, Japan Applicants who live in foreign countries at the time of both the application and oral examination may be interviewed by using an internet video conference system.</td>
<td>Following October or April</td>
<td>2014: 9 (29) 2013: 7 (18) 2012: 8 (14) 2011: 8 (15)</td>
</tr>
<tr>
<td>Entrance Exam. Schedule B: Ordinary Examination</td>
<td>Graduated from a Graduate School</td>
<td>Japanese Government MEXT Scholarship or ADB-JSP Scholarship</td>
<td>Covered by MEXT or ADB</td>
<td>Early-December</td>
<td>Date: End-January Oral examination will be conducted by using an internet video conference system.</td>
<td>Following April or October</td>
<td>2010: 6 (23) 2009: 8 (21) 2008: 10 (27) 2007: 9 (35)</td>
</tr>
</tbody>
</table>

Doctoral Program

<table>
<thead>
<tr>
<th>Admission Scheme</th>
<th>Eligibility</th>
<th>Scholarship Opportunity</th>
<th>Examination Fee</th>
<th>Application Deadline</th>
<th>Venue and Date of Oral Examination</th>
<th>Anticipated Entry</th>
<th>No. of Accepted (No. of Applicants)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entrance Exam. Schedule A: Ordinary Examination</td>
<td>Graduated from a Graduate School</td>
<td>TBA Please see updated information on the web</td>
<td>30,000 JPY</td>
<td>End-June</td>
<td>First Examination: middle-August Second Examination: early-February Venue: Kashiwa campus, Japan Applicants who live in foreign countries at the time of both the application and oral examination may be interviewed by using an internet video conference system.</td>
<td>Following October or April</td>
<td>2014: 5 (17) 2013: 8 (16) 2012: 8 (13)</td>
</tr>
<tr>
<td>Entrance Exam. Schedule B: Ordinary Examination</td>
<td>Graduated from a Graduate School</td>
<td>Japanese Government MEXT Scholarship</td>
<td>Covered by MEXT</td>
<td>Early-December</td>
<td>Date: End-January Oral examination will be conducted by using an internet video conference system.</td>
<td>Following October or April</td>
<td>2011: 4 (10) 2010: 2 (10) 2009: 3 (10)</td>
</tr>
</tbody>
</table>

Graduate Program in Sustainability Science - Global Leadership Initiative (GPSS-GLI)

Graduate School of Frontier Sciences, The University of Tokyo

東京大学大学院新領域創成科学研究科

サステイナビリティ学グローバルリーダー養成大学院プログラム

Graduate Program in Sustainability Science - Global Leadership Initiative (GPSS-GLI)

Graduate School of Frontier Sciences, The University of Tokyo

東京大学大学院新領域創成科学研究科

サステイナビリティ学グローバルリーダー養成大学院プログラム

Rm 332, Building of Environmental Studies, 5-1-5 Kashiwanoha, Kashiwai City, Chiba 277-8563, JAPAN

TEL: +81-4-7136-4877 FAX: +81-4-7136-4877

Email: info@sustainability.k.u-tokyo.ac.jp

〒277-8563 千葉県柏市柏の葉5-1-5 環境棟332号室

http://www.sustainability.k.u-tokyo.ac.jp

● Please refer to our website for the latest information.

●当プログラムのウェブサイトで最新の情報をご確認ください。