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

Graduate School of Frontier Sciences, The University of Tokyo
Graduate Program in Sustainability Science
Global Leadership Initiative (GPSS-GLI)

MEXT Scholarship with "Japanese Government Special Admission with Ordinary Examination"

Schedule B:
Entrance Examination

Schedule A:
Ordinary Examination

Please refer to our website for the latest information.

Admission Requirements of MEXT University Graduated from a University

Eligibility
Non-Japanese Nationality
Live Outside of Japan

Opportunity
Covered by MEXT or ADB

Examination Fee
30,000 JPY

Application Deadline
End-January

Venue and Date
First Examination: Early-February
Second Examination: Middle-August

Oral examination will be conducted by using an internet video conference system.
Examination may be interviewed by using an internet video conference system.
Venue: Kashiwa campus, Japan

Anticipated Entry
Following October

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

Invitation to Prospective Students

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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.
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Program Outline

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) ブ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で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. 国際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て、大学院工学系研究科、大学院農学府工学研究科、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視野と経験を兼ね備えた人材を育成する。
Curriculum

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.

Basic Concept: カリキュラムの3つの柱

GSPP-GLIのカリキュラムは以下の3つの要素で構成されています:
1. サステイナビリティに関連する主な問題を扱う基礎科目と専門科目
2. 実務研修やディベートの経験を通じてコミュニケーション、システム思考、社会調査、データ分析などのスキル強化を目指す、さまざまな実習と理論的演習
3. 研究課題の解明から、研究枠組みの構築、修士論文・博士論文の執筆にいたる包括的な研究プロセス

The integrated character of the master’s and doctoral programs allows students to acquire the basic knowledge and skills related to sustainability in the master’s degree, and then, having acquired international experience and leadership skills, to combine these skills in the doctoral degree.

GSPP-GLIでは修士課程と博士課程を連続したプログラムとして一体的に運営しているため、修士課程でサステイナビリティに関連する基礎的な知識とスキルを修得し、博士課程で国際経験とリーダーシップスキルを習得することで、あらゆるスキルを統合します。

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 purpose 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.

Resilience: 重要なキーワード

GPSS-GLIでは、「レジリエンス」というキーワードを中心にしてカリキュラムを構成しています。災害復興、気候変動、再生可能エネルギーといった個別の問題を検討課題として取り上げる場合でも、プログラム全体の目標は、短期的なリスク対応と長期的な持続可能性確保の調和を図る人材を育成することにあります。
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.
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
フィールド演習

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.

グローバルフィールド演習
アジア／アフリカにおいては、社会と経済の問題に密接に絡み合う形でさまざまな環境の問題が生じています。演習は、概ね事前学習、現地活動、事後学習、最終課題としての成果発表と報告書作成という4つのパートで構成されます。現地活動では、実際に環境問題の生じている現場に赴き、約2週間程度のフィールドワークを実施します。これらの活動を通じて、自ら問題を認識および解析して、解決策を提案する力を養成します。

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.
レジリエンス演習
気候変動のような長期的な環境変化や、東日本大震災・津波のような自然災害、さらには人間の災害・環境破壊によって、我々の暮らしの持続性は脅かされます。こうした外的要因から復興する（レジリエンス）をどう確保するかは、サステイナブル社会を構築するうえで重要な要素です。レジリエンス演習では、東日本大震災・津波からの復興計画や、過去の災害等を事例にレジリエンス社会について考えます。

Leadership Experiential Course (For Doctoral Student Only)
リーダーシップ演習（博士課程のみ）

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.

グローバルリーダーシップ演習
グローバルリーダーには、個別の課題解決能力に加え、協調性・主体性・合意形成能力・ファシリテーション力を含む総合的能力が求められます。この演習は、多国籍チームのリーダーとして特定の課題に取り組むプロジェクトマネジメントと、社会の第一線で活躍する各界のリーダーとの討論を主体とするリーダーシップワークショップから構成され、真のリーダーの養成をめざします。

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.

グローバルインターンシップ
グローバルインターンシップでは、社会の重要なアクターである企業や行政等との関わりを通じて、実社会の動きと仕組みを学びます。実体験を通じて、学生のグローバルリーダーとしての課題解決能力の向上をめざします。
### 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>
<td>11</td>
<td>Citizen's participation in sustainability practice in Oresund region</td>
</tr>
<tr>
<td>February 23 - March 10, 2013</td>
<td>Field Exercise on Frontier Issues Africa</td>
<td>Ibadan(Nigeria), Capetown, Stellenbosch (South Africa)</td>
<td>5</td>
<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>
<td>2</td>
<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>
<td>8</td>
<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 sustainable 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、急速で高齢化・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.

日本国政府文部科学省（MEXT）による奨学金

GPSS-GLIは、文部科学省（MEXT）の特別プログラムに選定されています。同奨学金は特別枠で12月に申請することが可能です。

Asian Development Bank (ADB)
– Japanese Scholarship Program

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

アジア開発銀行（ADB）- 日本奨学金プログラム

アジア開発銀行・日本奨学金プログラムに応募資格がある人は、GPSS-GLIを通じて応募することができます。

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.


Handbook of KASHIWA Campus Life

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 pathfinder 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/IRSS), 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.

指導教員は誰を選ぶ？
サスティナビリティ学・グローバルリーダー養成大学院プログラムでは、大学院新領域創成科学研究科環境学研究系の6専攻（自然環境学専攻、海洋技術環境学専攻、地球システム科学専攻、市民社会文化環境学専攻、国際協力学専攻）、同大学院システム工学研究科、同大学院人文学研究科、同大学院農学研究科、同大学院薬学研究科、同大学院工学研究科、同大学院地球環境学専攻、同大学院環境健康学専攻、同大学院地球環境学専攻、同大学院地球環境学専攻などの学びを重視する人材を導入する。さらに、指導教員は入学後様々な教員と面談をおこなった上で決定します。出願時に希望指導教員を1位から3位まで指名してもらう口が、希望した指導教員に決定することもありますので、注意して下さい。博士課程では、希望する研究領域が指導可能な教員がいるかどうか、出願までに指導教員候補と個別にコンタクトをとっておくことを強く推奨しています。
List of Faculty Members
Who Can Be the Primary Advisor

As of April 1st, 2017
(If you have any questions, please refer to the website for the latest information.)
2017年4月1日現在 (ウェブで最新情報をご覧ください。)

Program Head / プログラム長

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

GSPI-GLI Coordinator/ GSPI-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
味噌 寛 教授 (社会文化環境学)
サステイナビリティ教育、サステイナビリティ学、環境微生物学、廃水処理工学

Faculty / 教員

ASAMI Yasushi, Professor
(Urban Engineering, Engineering)
Urban Planning, Housing Policy, Spatial Information Analysis
都市計画、住宅政策、空間情報解析

DANG Chaobin, Associate Professor
(Human and Engineered Environmental Studies)
Human, Energy and Environment
人類、エネルギーと環境

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、エリアマネジメント、デザインガイドライン、アジアアーバニズム

ESTEBAN Miguel, Project Associate Professor
(GSPI-GLI)
Tsunami, Renewable Energy, Atolls and Law of the Sea
津波、再生可能エネルギー、海島、海法

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

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

GASPARATOS Alexandros, Associate Professor
(UITAS, IRSS)
Ecological Economy, Sustainability Assessment, Ecosystem Services Valuation
アレクサンドロス・ガスパラトース准教授 (国際高等研究所サステナビリティ学連携研究機構)
生態経済学、サステナビリティ評価、生態系サービスの価値評価

HIKATA Kazuo, Associate Professor
(Human and Engineered Environmental Studies)
Systems Design, Naval and Ocean Engineering, Information systems
システム設計学、海軍海洋工学、情報システム

HONDA Riki, Professor
(International Studies)
Evaluation of Disaster Planning and Management, Social Network Dynamics
本田 元臣 教授 (国際学)
災害計画と災害対応の評価、社会ネットワーク動態

HORITA Masahide, Professor
(International Studies)
Social Safeguard in Development, Infrastructure Project Management, Group Decision and Negotiation
堀田 正英 教授 (国際学)
社会的保護計画、インフラプロジェクト管理、団体決定と交渉

IHARA Tomohiko, Associate Professor
(Environment Systems)
Urban Heat Island, Building Energy System, Life Cycle Assessment
都市ヒートアイランド、建築エネルギーシステム、ライフサイクルアセスメント

IMASU Ryoichi, Associate Professor
(Natural Environmental Studies)
Numerical Modeling for Global Environmental Issues
今出 理一 教授 (自然環境学)
地球環境問題の数値モデル化

IKEDA Taisuke, Associate Professor
(Natural Environmental Studies)
Phytochemistry, Molecular Biology
河崎 大輔 教授 (自然環境学)
植物化学、分子生物学

ITU Kohzo, Professor
(Advanced Materials Science)
Polymer Science, Soft Materials
伊藤 喜和 教授 (高分子科学)
ポリマー科学、ソフトマテリアル

KIMURA Shingo, Professor
(Environment Systems)
Fish migration, Global climatic change, Marine ecosystem
木村 巧 教授 (海洋システム学)
魚の移動、グローバル気候変動、海洋生態系

KOYAMA Tetsuya, Associate Professor
(GPSS-GLI)
Water Management, Environmental Microbiology, Molecular Biology
小山 伸 大助手 (統合学)
水管理、環境微生物学、分子生物学

MATSUDA Hirotaka, Project Associate Professor
(International Studies)
Sustainable Forest Management, Forest Resources, (Natural Environmental Studies)
北村 博多 教授 (国際協力学)
持続可能な森林管理、森林資源、(自然環境学)

OHYA Yoshikazu, Professor
(Environment Systems)
Terrestrial Ecology, Remote Sensing, GIS
小林 芳一 教授 (環境システム学)
陸域生態学、リモートセンシング、GIS

SEKIYAMA Makiko, Project Associate Professor
(GSPI-GLI)
SRI (System of Rice Intensification)
関山 眞子 教授 (統合学)
SRI (サステナビリティ増収システム)

SHIBUYA Kazuaki, Associate Professor
(Natural Environmental Studies)
Biological Survey, Land Use, GIS
寺田 和則 教授 (自然環境学)
生物調査、土地利用、GIS

SUZUKI Hideyuki, Professor
(Ocean Technology, Policy and Environment)
Ocean Resource and Energy Engineering
鈴木 秀幸 教授 (海洋技術政策学)
海洋資源エネルギー工学

SUZUKI Aya, Associate Professor
(Ocean Technology, Policy and Environment)
Ocean Resource and Energy Engineering
鈴木 彩 教授 (海洋技術政策学)
海洋資源エネルギー工学

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Biodiversity, Forest Conservation, Endangered Plant, Plant-Microbe Ecology
田中 徹也 教授 (環境システム学)
生物多様性、森林保護、絶滅危惧植物、植物-微生物生態

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生物多様性、森林保護、絶滅危惧植物、植物-微生物生態

YAMAJI Eiji, Professor
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Tsunami, Renewable Energy, Atolls and Law of the Sea
山井 理樹 教授 (海洋技術政策学)
津波、再生可能エネルギー、海島、海法

YAMAGUCHI Hajime, Professor
(Environment Systems)
Optimization, Social Survey and Statistics, Mathematical Model Analysis
山口 拓一 教授 (環境システム学)
最適化、社会調査と統計、数理モデル解析

YAMASHITA Kiyotaka, Project Associate Professor
(Environment Systems)
Invasion Biology, Impacts of Climate Change
山崎 清多 教授 (環境システム学)
浸入生物学、気候変動の影響

YOKOHARI Makoto, Professor
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Invasion Biology, Impacts of Climate Change
横張 善彦 教授 (環境システム学)
浸入生物学、気候変動の影響

WARISAWA Shin'ichi, Professor
(Environment Systems)
Nano/micro Mechanical Resonator, Self-assembled Nano Structure, Molecular Biology
和田 真一 教授 (環境システム学)
微小機械振動子、自己組織化ナノ構造、分子生物学

YOSHIKAWA Kuniko, Associate Professor
(Environment Systems)
Soil Science, Environmental Microbiology, Molecular Biology
吉川 実子 教授 (環境システム学)
土壌科学、環境微生物学、分子生物学

YOSHIKAWA Masayuki, Professor
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吉田 彩子 教授 (環境システム学)
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YAZAKI Hidekazu, Project Associate Professor
(Environment Systems)
Tsunami, Renewable Energy, Atolls and Law of the Sea
山崎 博一 大助手 (環境システム学)
津波、再生可能エネルギー、海島、海法
## 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.

### 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 Examination Schedule A:</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) 2015: 7 (18) 2016: 6 (14) 2017: 8 (15)</td>
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<tr>
<td>Ordinary Examination</td>
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<tr>
<td>Entrance Examination Schedule B:</td>
<td>Graduated from a University</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: 10 (23) 2009: 9 (22) 2008: 10 (21) 2007: 6 (12)</td>
</tr>
<tr>
<td>Ordinary Examination</td>
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### Doctoral Program

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<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 Examination Schedule A:</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: 6 (16) 2012: 6 (13)</td>
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<tr>
<td>Ordinary Examination</td>
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<tr>
<td>Entrance Examination Schedule B:</td>
<td>Graduated from a Graduate School</td>
<td>TBA Please see updated information on the web</td>
<td>30,000 JPY</td>
<td>Early-December</td>
<td>First Examination: early-February; Second Examination: 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 April or October</td>
<td>2010: 4 (10) 2009: 3 (10)</td>
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<tr>
<td>Ordinary Examination</td>
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## 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

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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。