The University of Tokyo works with our partners around the world to realize a better future for all.
Vision
The University of Tokyo works with our partners around the world to realize a better future for all.

IR Data Office, Division for Management Planning, The University of Tokyo
7-3-1 Hongo, Bunkyo-ku, Tokyo 113-8654 Japan
ir-data.adm@gs.mail.u-tokyo.ac.jp
+81 (0)3 5841 4660
https://www.u-tokyo.ac.jp/en/

Design
Masami Furuta (opportune design inc.)

October 2019

Introduction
This booklet outlines the University of Tokyo’s broad vision as we work towards a better future for all, and the basic guiding principles of our strategy and actions in the three core areas of research, education and society. Action, the supplement to this Vision, lists just a few of the many ongoing projects at the university that contribute to the Sustainable Development Goals (SDGs) adopted by the United Nations in 2015. We hope that sharing our Vision and Action will lead to new partnerships as we work to create a better future for all.
The University of Tokyo creates new value in partnership with society and contributes to the diversity of knowledge.

The University of Tokyo recently celebrated its 140th anniversary. Science and technology have advanced greatly in those 140 years. They have greatly empowered humanity and vastly expanded the scope of its activity. Entering this new century, the speed at which science and technology advance has accelerated even more, changing human society in many ways.

Today, new technologies to analyze and use the vast quantity of data accumulated on the internet are advancing rapidly. This digital revolution is changing society in far-reaching ways, making it possible to connect geographically distant resources and bringing about a disruptive and qualitative change in the economic and social mechanisms of human society. We hope that these new technologies will bring a range of benefits, including improving productivity across a wide range of industries, decreasing disparity between rural and urban areas, and improving social participation among the elderly. This is in line with “leaving no one behind” stated in the United Nations’ Sustainable Development Goals. New technology can lead to the realization of an inclusive society where diversity is valued and everyone can achieve their full potential.

It is important to establish suitable social systems and economic mechanisms so that people can accept these new technologies and actively choose to participate in their spread throughout society. Establishing such mechanisms will require the collaboration and shared knowledge of many diverse peoples. The University of Tokyo contributes to the linkage of technological advancement, social systems and economic mechanisms through the creation of new value in partnership with society, making use of the great breadth of our research and depth of accumulated learning.

We need a common goal shared by many if we are to work together with diverse peoples to direct these actions towards creating a better future society. The University of Tokyo has focused on the SDGs as a tool for deepening collaborations within and outside the university.

I hope that this booklet will convey an outline of our vision and some of the exciting activities to an international audience, and will lead to new connections and partners working together to bring about a better society for all.

Makoto Gonokami
President, The University of Tokyo
Achieving the SDGs

By sharing our vision and actions towards achieving the SDGs, we hope to spark new collaborations as we work to realize a better future for all.

Addressing global-scale challenges such as overcoming poverty, tackling climate change and achieving access to clean drinking water everywhere will require all of humanity to work together. We believe that the SDGs are one possible framework for collaboration across national borders and cultural divides and have made them an integral component of our vision.

The University of Tokyo established the Future Society Initiative (FSI) in 2017 under the direct leadership of the university president to promote effective collaboration both within the university and with external partners working together to achieve the SDGs.

One of the functions of the FSI is to register ongoing projects at the university that contribute to the SDGs. As of August 2019, nearly 200 projects have been registered with the FSI. Research at the University of Tokyo covers all 17 of the goals, and a few of those projects have been listed in the supplement, Action, included with this Vision.

We hope that sharing our vision for a better future for all and our actions towards achieving the SDGs will lead to new collaborations with like-minded partners.
Vision

We believe it is our duty to make possible a sustainable and inclusive future society where everyone has the freedom to realize their full potential.

The digital revolution, increased interconnectivity of all things, advances in processing power and development of ever more capable artificial intelligence have together brought us to the cusp of a new, knowledge-intensive world. This paradigm shift is an opportunity to choose a more equitable future.

Working in partnership with all parts of society, the university can contribute by creating the knowledge and value to realize this knowledge-intensive future, but we need society to invest in our research and education if we are to achieve our common goals. We must ensure that our contributions to society are recognized so that we can earn broad support for our vision. That support, we believe, will translate into further investment in our research and education, creating a virtuous circle of investment and value creation that places the university at the center of our drive toward a better future for all.

Our vision centers on three core areas: research, education and society. In a globalized world where universities and companies compete for the best talent, we will raise our international profile to become a primary destination for researchers, further strengthening our research capacity. We will nurture talented students able to cross boundaries and borders as they take the lead in this interconnected world. We will strengthen cooperation with global companies and international organizations to provide greater opportunities for our students to experience the world and disseminate and apply our research.

We believe it is our duty to make possible a sustainable and inclusive future society where everyone has the freedom to realize their full potential.
Research

We will continue to attract the world’s brightest minds to further strengthen our research capability and contribute to the diversity of human knowledge.

Background

Our strategic vision for research is founded on a strong awareness of our Asian cultural and academic legacy and takes into account our unique characteristics as a global comprehensive research university. The University of Tokyo has always provided space for free thinkers to expand the limits of what is known. Our researchers work across all academic fields in collaborations that transcend disciplinary boundaries to create new knowledge. Their research partnerships span industry, government and academia, both in Japan and overseas, generating novel solutions from diverse approaches.

Action

1. Promote the diversity of knowledge

We have established Tokyo College as a home-from-home for the world’s leading researchers and intellectuals, providing a space where they can collaborate with members of the university across all fields of human endeavor and actively engage with the general public. Between 2018 and 2020, we will recruit 30 leading young researchers from around the world to posts awarded at the president’s discretion.

Tokyo Forum, organized together with the Chey Institute for Advanced Studies, will provide a space for free discussion and exchange of information on the challenges facing the modern world today and the future of our planet and humanity.

2. Leverage our strengths

We will build on our strength in creating new academic fields through interdisciplinary approaches and the convergence of diverse fields of research. We will drive the development and implementation of large-scale research projects and infrastructure, building on our experience with projects such as the Hyper-Kamiokande experiment.

University of Tokyo researchers collaborate with many institutions

<table>
<thead>
<tr>
<th>Region</th>
<th>Collaborations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asia</td>
<td>1,851</td>
</tr>
<tr>
<td>Europe</td>
<td>1,625</td>
</tr>
<tr>
<td>North America</td>
<td>932</td>
</tr>
<tr>
<td>South America</td>
<td>175</td>
</tr>
<tr>
<td>Africa</td>
<td>170</td>
</tr>
<tr>
<td>Oceania</td>
<td>137</td>
</tr>
</tbody>
</table>

Data: Scival 2014-2018, all publication types. 2019/07/05

In 2018,

<table>
<thead>
<tr>
<th>Category</th>
<th>Collaborations</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Tokyo visits</td>
<td>5,069</td>
</tr>
<tr>
<td>Other institution visits</td>
<td>11,270</td>
</tr>
</tbody>
</table>
We will ensure that our students are both highly skilled and equipped to contribute to a global society that is constantly transforming.

**Background**

We aim to nurture knowledge professionals able to act on their own initiative, take responsibility for their actions and work with individuals from diverse backgrounds wherever they are as they contribute to solving society's challenges.

We will ensure that the educational environment and programs we provide are suited to fostering highly skilled talent from the start so that our students are ready to contribute to a globalized world as soon as they graduate.

**Action**

1. **Nurture communication skills**

   We will promote our practical English programs for new students including ALESS, ALESA and FLOW that provide the language skills needed to function as an academic and interact with international peers in English.

   We will promote the Go Global Gateway, a framework for all students who want to develop their skills in preparation for working in an international environment and offers certification for those who complete its requirements.

2. **Develop future leaders**

   We will build on and expand participation in our leadership programs, including the GLP-GEFIL Global Leaders Development Program to nurture future innovators and leaders from among undergraduate students, the Trilingual Program for first and second year undergraduates that develops third language ability, and the Joint Program of East Asian Studies with Peking University that focuses on nurturing future Asian leaders.

3. **Provide a global education**

   We will further expand the Programs in English at Komaba (PEAK) undergraduate degree. Provided entirely in English, PEAK and Graduate PEAK open up the university's undergraduate and graduate education to a broader audience.

   We will promote and develop World-leading Innovative Graduate Study (WINGS), an interdepartmental master's and doctoral degree program that nurtures future innovators and supports realization of the SDGs.
Society

We will expand our international presence by strengthening our ties with global companies and international organizations based in Japan.

Background
By nurturing corporate relations and a rich venture ecosystem around the university, we are working to increase the number of startups based on our research and ensure that society enjoys its benefits. In particular, we focus on contributing to achievement of the SDGs for the benefit of all humanity and realizing an ultra-smart society (Society 5.0).

By making our research available to society, including through extension programs for adult learners, we work to support the needs of local communities.

Action
1. Develop international corporate partnerships
Through our partnership with Daikin Industries Co., Ltd., we will provide our students with global opportunities for internships and promote research and personnel exchange between our organizations and collaboration with university ventures. Together, we will develop an innovation environment to realize the value of academic research in society.

We will lead the drive to create a super smart society through our partnership with Hitachi and the Hitachi-U(Tokyo) Lab, connecting the creation of knowledge to its use by sharing our respective visions of that future and creating the technology to bring it about.

2. Develop partnerships with international organizations
We will build on our framework cooperation agreement with the United Nations Development Programme (UNDP) to further our efforts to realize the SDGs. By tapping into the UNDP’s decades of experience and expertise and global network, we will connect our researchers and research outcomes to the frontline of action to achieve the SDGs. By inviting UNDP staff onto our campuses to instruct students and providing internship opportunities with the UNDP, our students will gain valuable experience as they contribute directly to achieving the SDGs.

We will expand our international presence by strengthening our ties with global companies and international organizations based in Japan.

368 startups associated with the University of Tokyo
1,749 international patents
1,907 Japanese patents

Date: 2019/03/31
International partnerships

Our international partnerships grow from individual connections between researchers to become department, faculty, then university-wide exchanges that cover student and researcher mobility. They are born from personal relationships and become institutional relationships based on trust and shared goals and values.

Student exchanges ensure that our campuses are international, so that domestic students studying overseas experience other cultures, ideas and ways of thinking while those staying at home broaden their horizons through interactions with visiting scholars.

By ensuring researcher mobility, our members can engage with the best and brightest minds around the world and demonstrate the excellence of the university’s research to the academic community at large.

Strategic partnerships are the backbone of our international engagement. The deep and close connections we have with our strategic partners strengthen our research and education across the board and allow us to coordinate our efforts to achieve the SDGs and realize a better future.

Our partnerships with leading universities around the world enrich all our campuses through exchange of people and ideas and contribute to the diversity of knowledge.

519 exchange agreements covering 64 countries and regions
30 overseas offices
10 strategic partnerships

Strategic partner university
IARU member university
Both

Countries and regions with partner universities
International presence

Earning greater international recognition for our research and education is an essential part of capacity building and creating a global university.

Tokyo College: a new platform for global collaboration and communication

Tokyo College promotes interdisciplinary collaboration, bringing together leading scholars, young researchers and public intellectuals from around the world. Tokyo College aims to generate new knowledge for an inclusive society and spark deeper public engagement with the university. Main Theme: The Earth and Human Society in 2050

Priority areas:
1. Digital Revolution and Future of Humanity
2. Tackling the Planetary Boundaries through Interdisciplinary Approaches
3. Japan Viewed from Inside and Outside
4. Humanities in 2050 - World Philosophy, World History and World Literature

Tokyo College also plans to invite researchers to share the joy of discovery and power of knowledge through seminars, public lectures and collaborative research.

Sharing UTokyo’s vision with the world: partnering with the World Economic Forum (WEF)

President Gonokami and researchers from the University of Tokyo attend the WEF each year to promote the university’s vision and deepen partnerships with leading global institutions and companies. In “How universities can become a platform for social change,” written for the WEF website, Gonokami introduced the FSI as an example of how universities can act as a platform for collaboration for all those working toward a better future.

Engagement with leading universities: President Gonokami to chair IARU

Gonokami became chair of the International Alliance of Research Universities (IARU) in January 2019. During his two-year term as chair, he will be proactive about maintaining and further strengthening IARU’s partnership and developing new opportunities for IARU joint education and exchange programs.

Strengthening partnerships in Asia: President Gonokami at Seoul National University

At the invitation of the university president, Gonokami spoke at the Seoul National University entrance ceremony in March 2018. Speaking about the great value of Asia’s shared cultural heritage and contribution to the diversity of global higher education, he stressed that contributing our individual strengths is essential for solving today’s global-scale challenges.
Discover Excellence.
www.u-tokyo.ac.jp