UTokyo **COMPASS** ✓ *Into a Sea of Diversity:* Creating the Future through Dialogue

The guiding principles of the University of Tokyo, the ideals to which our university should aspire

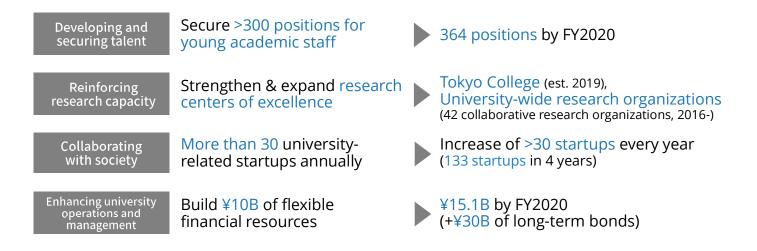
- 1. Progress of Designated National University Project
- 2. Situation Showing Increased International Presence as Designated National University Project
- 3. Future Plans and Prospects for the 4th Mid-term Target Period





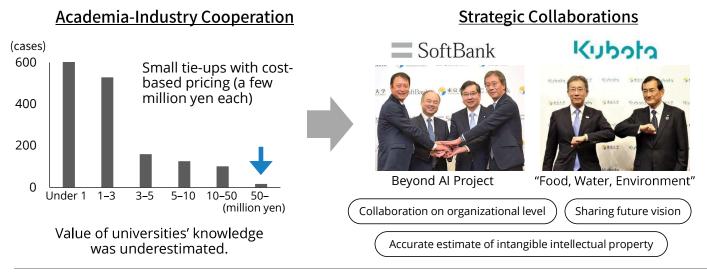
Main Results of Designated National University Project

Main objectives and results of the designated national university project



We have steadily implemented our roadmap, which ends this March.

Strategic Collaborations and Development of a New Type of Ecosystem

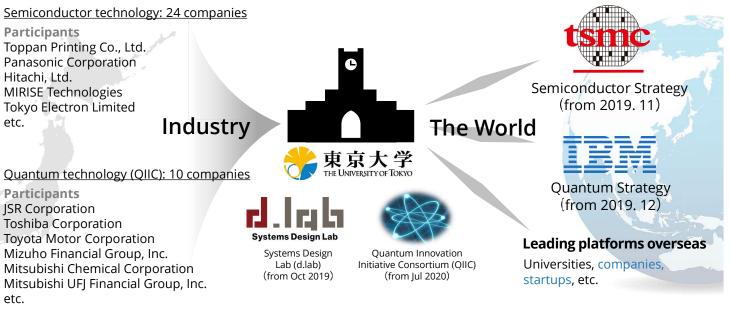


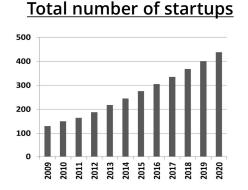
UTokyo has established long-term strategic collaboration partnerships with:

Hitachi (2016), NEC (2016), Daikin (2018, over ¥10 billion), SoftBank (2019, ¥20 billion), IBM (2019), Mitsui Fudosan (2020. 1), Nippon Paint (2020. 5), Sumitomo Forestry (2020. 9), TCS (2020. 10), Kubota (2021. 11, ¥10 billion)

Building Bridges for Co-creation

Model Cases in Semiconductor and Quantum Technology





Market cap of top 5 startups



¥674.8 billion

¥357.1 billion

¥198 billion

¥105 billion

¥95.9 billion

Total

More than 430 startups Total market capitalization exceeding ¥2 trillion 23 IPOs

UTokyo group companies for startup support



Innovation Platform for The University of Takya UTokyo Investment Company / 2016 No. 1 fund: ¥25 billion in total, invested in 57 companies so far, 2 IPOs

No. 2 fund: Initial capital of ¥2.765 billion, increased to a full-fledged fund with a maximum of ¥25 billion

Endorsed TCFD Declaration in 2019



UTokyo Venture Capital / 2004 Managed 4 funds with a cumulative value of approximately ¥54.3 billion Invested in about 110 companies, with 13 IPOs & 12 M&As



UTokyo Technology Transfer / 1998 Cumulative license revenue of ¥10.47 billion

5,432 contracts signed in total Actively transferring SDGs-related technologies

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Social Application of Research Results by Subsidiaries



Professors of UTokyo provide a thorough explanation of systematic data science theories from the very basics

- A central hub for disseminating UTokyo's various educational contents to society
- Classroom for 80 students in central Tokyo and • lectures started in 2019
- The number of students is rapidly increasing up to over 1,000 in FY2021
- Established in Dec. 2018
- Shareholder: UTokyo (100%)

UTELER UTokyo Economic Consulting Inc.



Data-driven analysis / EBPM by UTokyo faculty and UTEcon experts with academic expertise

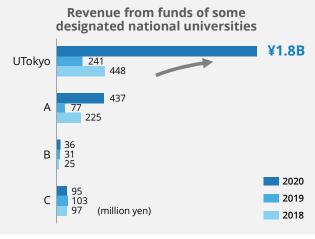
- Provide services to a wide range of clients such as private firms, national and local governments, law firms, etc.
- Strong performance from the first year of establishment
- Established in Aug. 2020
- Major shareholders: UTokyo, Nikkei Inc., TOKYO SHOKO RESEARCH Ltd.

Advanced Fund Management by Endowment

Based on the concept of endowments in universities abroad, the graph below compares the amount of managed funds in Japanese universities (not only endowments).



Sources: Nikkei (2019, 10.12) (https://www.nikkei.com/article/DGXMZO50933790S9A011C1K15200/), Websites of each university Portfolio-based international diversified investment revenue of **¥1.8B** in FY2020



Sources: Websites of each university

UTokyo FSI Bonds

Issued long-term university bond in Oct 2020 (first in Japan)

Rated comparable to Japanese government bonds Received highest rank as social bond

¥126B in applications for ¥20B 40-year bond Annual interest 0.823% (as low as governmental fiscal investment bonds and debt securities)

2020 Sustainable Finance Awards (Research Institute for Environmental Finance) Debut Debt Deal of the Year (DealWatch) Best Deals of 2020 (Capital Eye)

¥151B applications for ¥10B bond (Dec 2021) Annual interest 0.853%









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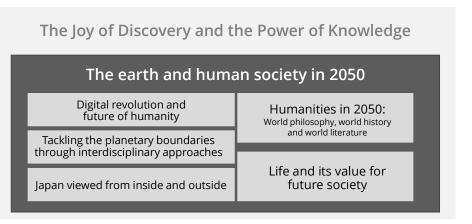


An academic platform to:

Cultivate knowledge with outstanding researchers & intellectuals from around the world Share and discuss that knowledge with people throughout society



Honorary Director Sir Anthony Leggett 2003 Nobel Prize in Physics, Professor at the University of Illinois at Urbana-Champaign





Tokyo college held 51 lectures & symposia in FY2020, 41 in FY2021 (until December). The total number of views is about 168,000. 13



21,500 views on two days total (8,000 views for Tokyo Forum 2020)

Expansion to New York

UTokyoNY

The University of Tokyo New York Office (UTokyoNY)

Established in 2015 to facilitate research as well as academic and social collaboration activities in US

Holding seminars, workshops, and meetings in a prime NYC location

Communication hub has been added in 2020 to further promote UTokyo's activities in US

The University also utilizes UTokyoNY to establish relationships with stakeholders in the US as well as to encourage donations.

(UTokyoNY is a 501(c)(3) nonprofit organization.)

Mayor Bill de Blasio Announces Finalists to Anchor City's Climate Solutions Center on Governors Island





World Economic Forum

The president of UTokyo is invited to the annual meeting at Davos every year. The meeting is an important opportunity to talk with leaders from all over the world and to participate in the Global University Leaders Forum (GULF).

Faculty members from UTokyo held sessions at the UTokyo IdeasLab during the annual meeting and the "Summer Davos" in China.

Among the GULF member universities US: Columbia, Harvard, MIT, Princeton, Stanford, UC Berkeley, Yale UK: Cambridge, Oxford China: Peking, Tsinghua Singapore: National University of Singapore Japan: Keio, UTokyo





The Nippon Challenge: Society 5.0

Former President Gonokami held a press conference with then President Nakanishi of Keidanren regarding Society 5.0, a social ideal proposed by Japan.

Strategic Development of Internationalization

Strategic collaboration with world's leading

universities and international organizations

- Strategic partnership projects with 10 universities
- Directing collaborations through IARU as Chair
- Enhanced relationships with World Economic Forum, UN organizations
- "Go Global Gateway" to foster Global Competence
- The university offers comprehensive and accessible information
- about global activities available to students
- Students create a portfolio of all global activities in which they participate
- Students receive a certificate that attests to their global competence



Five Elements of Global Competence

Global competence: The ability to live and work together with all kinds of people throughout the world

International Alliance of Research Universities (IARU)

Alliance of 11 international research-intensive universities / est. 2006 Jun 2019 – Feb 2021 President Gonokami served as Chair

Members UTokyo (42, 23) Australia National (49, 24) ETH Z (11, 7) National U Singapore (23, 11) Peking (31, 30) UC Berkeley (15, 27) Cambridge (2, 6) Cape Town (156, 200) Copenhagen (116, 79) Oxford (1, 5) Yale (8, 15)

Numbers indicate the rank in the World University Rankings 2022 (THE), and QS University Rankings 2022

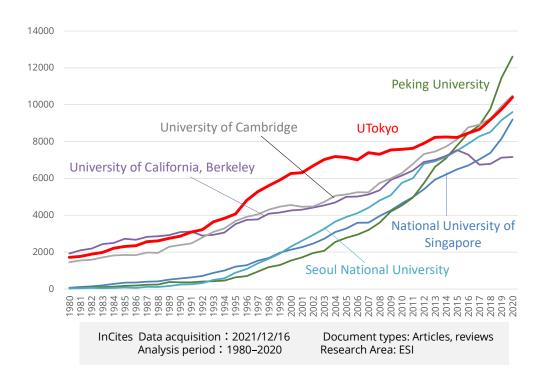




IARU Presidential Meeting at Peking University / May 2018

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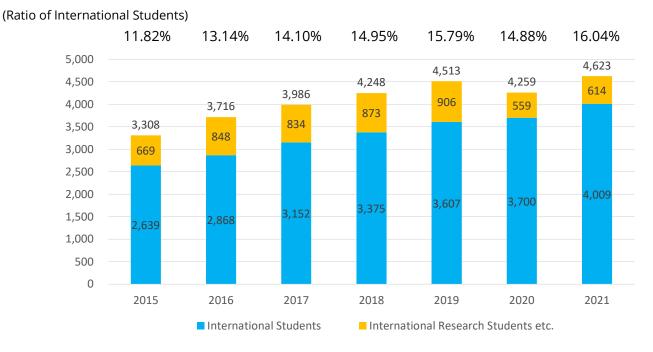
Trends in the Number of Research Papers



Share of Research Output in the Nature Index Annual Tables 2021

Harvard	1 (2)
Stanford	2 (5)
MIT	3 (7)
UTokyo	4 (8)
Oxford	5 (9)
Cambridge	e 6(10)
Peking	8 (12)
Berkeley	12 (17)
Singapore	24 (29)
Seoul	51 (58)

Numbers indicate the rank among universities, numbers in parentheses indicate the rank among all institutions.



Increase in International Students

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UTokyo **COMPASS** Sasic Principles

Dialogue

Diversity and Inclusion A university for everyone in the world

Achieve academic excellence and realize an inclusive society by creating, connecting, and deepening academic knowledge

Research directed at the pursuit of truth and founded in academic freedom to achieve academic excellence Nurturing people with a global perspective, high ethical standards, tenacious practical skills, and the ability to formulate questions Diverse groups of people coming together to discuss, to learn, and to identify and share challenges and solutions Helping to resolve global challenges and creatively designing innovative practices for stewardship of the global commons Aiming to create a better future society that is inclusive and free

UTokyo COMPASS 🖍 Action Plans



Seek Solutions to Global Problems

GX: Green Transformation **DX**: Digital Transformation



Lead GX on a global scale

Global Commons Stewardship Indicators Race-to-Zero (UNFCCC) GAUC



Student Dialogue @ COP26 in Glasgow



Creating and realizing a society of data utilization

mdx: secure and fast data platform (using SINET 5/6) DX headquarters



Promote diversity and inclusion

New organization for promoting diversity research & education Declaration of diversity and inclusion



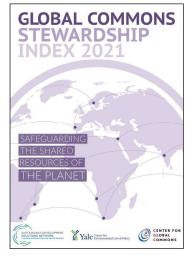


Elevate UTokyo's international presence and reputation

Overseas laboratories

Global Commons Stewardship Index (GCSi)

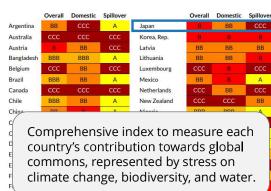
Together with UN-SDSN and Yale University, UTokyo is developing a comprehensive index that compares environmental impacts.



https://cgc.ifi.u-tokyo.ac.jp/en/news/gcsindex2021-100countries-en/

Officially launched on Nov. 5, 2021 at COP26

with the participation of Lord Adair Turner (left), Chair of ETC (Energy Transitions



Germany		00	000	DIOVARIA	-00	00	
Greece	В	В	В	Slovenia	В	BB	ccc
Hungary	BBB	BB	BBB	South Africa	BB	в	BBB
Iceland	ccc	ccc	CCC	Spain	В	В	В
India	BBB	BB	A	Sweden	8	BBB	ccc
Indonesia	BBB	BB	A	Switzerland	ccc	BBB	ccc
Ireland	В	BB	ccc	Turkey	BB	В	BBB
Israel	CCC	CCC	CCC	United Kingdom	В	BBB	ccc
Italy	В	BB	CCC	United States	В	CCC	В

Center for Global

Commons at UTokyo

CGC serves as a secretariat. It applies ETC's analyses to mobilize global knowledge

and experience.



GCSi was introduced in a book published by OECD and the European Commission-Joint Research Centre (EC-JRC).

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ETI-CGC Energy Transition Initiative-Center for Global Commons

Platform of industry-academia collaboration, aiming to develop Japan's pathways to achieve decarbonization

develop Japan's pathways to ETI-CGC

Member Companies

	•				
Energy	TEPCO, JERA, Mitsubishi Gas Chemica				
Materials	Sumitomo Chem, Mitsubishi Chem, AGC				
Transport	ation Toyota Motor				
Trading	Mitsui & Co.				
Finance	Mitsubishi UFJ FG, Sumitomo Mitsui FG				
Others	DAIKIN, Hitachi, SoftBank				

Race to Zero

Commission).

The international campaign to achieve zero greenhouse gas emissions worldwide by 2050 was launched in June 2020 by UNFCCC (UN Framework Convention on Climate Change), representing 35 regions, 799 cities, 4475 businesses, 731 higher education institutions, and 250 financial institutions around the world (more than 70% of the world's economy). UTokyo joined in October 2021, the first Japanese national university to do so.





UTokyo held a student dialogue event connecting Japan and Glasgow during COP26.

Planning and implementing carbon neutrality as an urban university without diminishing the efficacy of research and education

Fostering Advanced Human Resources to Lead Green Transformation (GX)

Tackling onto global issues by UTokyo as a whole



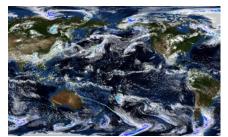
GX Bird's Eye View Lecture Series, Green Future Exchange Meetings, and GX Inspired Lectures Advanced skill training programs:

Overseas training program, industry-university internship program, and transferable skills acquisition 25

Find a Global Solution to Climate Change with the University of Tokyo

Contributions to the Intergovernmental Panel on Climate Change (IPCC)

(*Recent changes in the climate are widespread, rapid and intensifying, and unprecedented in thousands of years."



Global atmospheric simulation using supercomputer *Fugaku*

Developed the world's most advanced weather and climate solution research utilizing Japan's computing technology



IPCC Sixth Assessment Report (AR6)

Contributions from UTokyo to AR6:

- 10 authors and
- 2 review editors



Dr. Syukuro Manabe 2021 Nobel Prize in Physics

Graduate of UTokyo UTokyo serves as a hub for domestic climate change research through:

- Institute for Future Initiatives
- Atmosphere and Ocean Research Inst.
 - Institute of Industrial Science, etc.

UTokyo Compass: New Efforts for Diversity and Inclusion

Develop Campus with Diversity and Inclusion (Planned Investment by the 2nd FSI Bond)

To invest in campus development for inclusion of diverse human resources and dialogue with society at large through industry-academia collaboration.

Campus that anyone in the world would want to join

- Develop place for open interaction to realize an inclusive campus, regardless of nationality, culture, gender, disability, etc.
- Develop barrier-free facilities so that members with various difficulties can actively engage in university activities
- Create new value in sports facilities

Promote Green Transformation and Digital Transformation

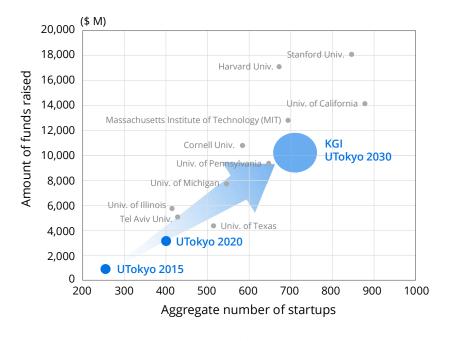
- Co-creation with industry in cutting-edge fields
- Establishment of helium recycling system
- > Division for Nurturing the Next Generation (est. Dec. 1, 2021)
- > Working Group on Diversity and Gender Declaration
- > Taskforce for Increasing the Number of Female Faculty
- Survey on Diversity Consciousness (2020)







Board Members as of April 1, 2021



The goal for UTokyo startups in 2030 📫 ¥1 trillion in capital & 700 companies

UTokyo COMPASS 🗡

Further Progress in Solving Global Issues