

# Maps and Data University of Tsukuba

At a Glance

2023 Academic Year  
(Apr.1-Mar.31)



筑波大学

University of Tsukuba

# 1 HISTORY, CREST & SLOGAN

## History

The University of Tsukuba was established in October 1973, due to the relocation of its antecedent, the Tokyo University of Education, to the Tsukuba area. As the new concept comprehensive university in Japan to be established under a country-wide university reform plan, the University has featured “Openness” with “New Systems for Education and Research” under a “New University Administration.” The university reform plays a major role in our continuing effort for improvement. We are striving to create a unique, active, and internationally competitive university with superlative education and research facilities.

## Crest



The University of Tsukuba’s “five-and-three paulownia” crest derives from the emblem adopted by Tokyo Higher Normal School students in 1903 for their school badge, which was inherited by the Tokyo University of Education in 1949. Later, in 1974, the University Council officially approved the crest as the school insignia of the University of Tsukuba.

The “five-and-three paulownia” design is based on a traditional Japanese motif, but brings a unique variation to the classic style: the University of Tsukuba crest is different because only the outline of the flowers is depicted.

The color of the crest is CLASSIC PURPLE, the official color of the University of Tsukuba.

## Slogan

**IMAGINE THE FUTURE.**

(Japanese)

開かれた未来へ。

Since its inception, the University of Tsukuba’s philosophy has been one of openness as we seek to forge a better future through education, research, and all other aspects of academia. That philosophy is summed up in our slogan, “IMAGINE THE FUTURE.”

# 2 ACADEMIC ORGANIZATION

## 9 Schools, 23 Colleges, 1 Specific Degree Program, School of Comprehensive Studies

### Schools

Colleges

#### Humanities and Culture

Humanities, Comparative Culture, Japanese Language and Culture

#### Social and International Studies

Social Sciences, International Studies

#### Human Sciences

Education, Psychology, Disability Sciences

#### Life and Environmental Sciences

Biological Sciences, Agro-Biological Resource Sciences, Geoscience

#### Science and Engineering

Mathematics, Physics, Chemistry, Engineering Sciences, Engineering Systems, Policy and Planning Sciences, Bachelor's Program in Interdisciplinary Engineering

#### Informatics

Information Science, Media Arts, Science and Technology, Knowledge and Library Sciences

#### Medicine and Health Sciences

Medicine, Nursing, Medical Sciences

#### Physical Education, Health and Sport Sciences

#### Art and Design

#### Comprehensive Studies\*

\*After their first year in the School of Comprehensive Studies, students will belong to another college/school group.

## 3 Graduate Schools, 6 Degree Programs +6 Programs, 56 Specific Degree Programs

### Graduate School of Business Sciences, Humanities and Social Sciences

Degree Programs in Humanities and Social Sciences (3 Specific Degree Programs)

Humanities, International Public Policy, International and Advanced Japanese Studies

Degree Programs in Business Sciences (2 Specific Degree Programs)

Law, Business Administration

Law School Program

MBA Program in International Business

### Graduate School of Science and Technology

Degree Programs in Pure and Applied Sciences (5 Specific Degree Programs)

Mathematics, Physics, Chemistry, Engineering Sciences, Materials Innovation

Degree Programs in Systems and Information Engineering (8 Specific Degree Programs)

Policy and Planning Sciences, Service Engineering, Risk and Resilience Engineering, Computer Science, Intelligent and Mechanical Interaction Systems, Engineering Mechanics and Energy, Empowerment Informatics, Life Science Innovation (Bioinformatics)

Degree Programs in Life and Earth Sciences (12 Specific Degree Programs)

Biology, Agro-Bioresources Science and Technology, Agricultural Sciences, Life and Agricultural Sciences, Bioindustrial Sciences, Geosciences, Environmental Sciences, Environmental Studies, Mountain Studies, Life Science Innovation (Food Innovation), Life Science Innovation (Environmental Management), Life Science Innovation (Biomolecular Engineering)

Joint Master's Degree Program in Sustainability and Environmental Sciences

### Graduate School of Comprehensive Human Sciences

Degree Programs in Comprehensive Human Sciences (26 Specific Degree Programs)

Education, Psychology, Disability Sciences, Counseling, Counseling Science, Rehabilitation Science, Neuroscience, Medical Sciences (Doctoral program), Nursing Science, Medical Sciences (Master's program), Public Health (Master's program), Human Care Science, Public Health (Doctoral program), Sports Medicine; Physical Education, Health and Sport Sciences (Master's program); Sport and Olympic Studies; Physical Education, Health and Sport Sciences (Doctoral program); Coaching Science, Sport and Wellness Promotion, Art, Design, Heritage Studies, Informatics, Human Biology, Life Science Innovation (Disease Mechanism), Life Science Innovation (Drug Discovery)

Joint Master's Program in International Development and Peace through Sport

Joint Doctoral Program in Advanced Physical Education and Sports for Higher Education

International Joint Degree Master's Program in Agro-Biomedical Science in Food and Health

## School of Integrative and Global Majors (SIGMA)

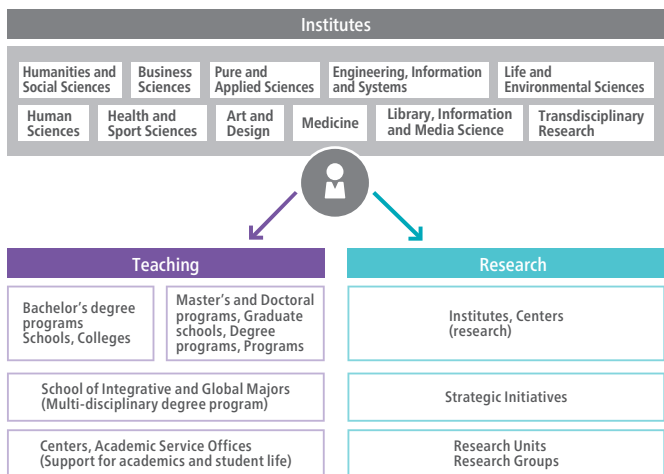
Ph.D. Program in Humanics

Bachelor's Program in Global Issues

# 3 FACULTY & STAFF

## Tsukuba's Unique System of Faculty Organizations

Faculty members at the University of Tsukuba belong to "institutes"; each pursues basic research and teaches at his or her assigned schools, colleges, graduate schools, degree programs, programs, and centers, but the basic affiliation remains with a single faculty. By making the organizational units that faculty members belong to (i.e., the institutes) independent of where they teach and research, we have made it possible for faculty members to participate in different departments and schools, thus promoting a more pan-disciplinary, cross-sectional structure conducive to the easier creation of new programs.



## Faculty & Staff Numbers

As of May 1, 2023

		Total	Females	Non-Japanese	Non-Japanese Females
Directors		11	3	0	0
Teaching Faculty	Professors	551	70	15	5
	Associate Professors	544	101	48	15
	Lecturers	204	46	1	0
	Assistant Professors	490	134	77	33
	Assistants	1	0	0	0
	Teachers at Laboratory Schools	550	264	3	2
	Subtotal	2,351	618	144	55
Staff	Administrative Staff	1,193	768	28	21
	Technical/Medical Staff	1,851	1,304	10	7
	Subtotal	3,044	2,072	38	28
<b>Total</b>		<b>5,395</b>	<b>2,690</b>	<b>182</b>	<b>83</b>

Source: School Basic Survey Conducted by Ministry of Education, Culture, Sports, Science and Technology

# 4 STUDENT BODY (SCHOOLS & COLLEGES)

As of May 1, 2023

	Total	Males	Females
<b>School of Humanities and Culture</b>			
College of Humanities	491	274	217
College of Comparative Culture	338	113	225
College of Japanese Language and Culture	129	38	91
<b>School of Social and International Studies</b>			
College of Social Sciences	343	207	136
College of International Studies	333	152	181
<b>School of Human Sciences</b>			
College of Education	154	82	72
College of Psychology	217	79	138
College of Disability Sciences	149	42	107
<b>School of Life and Environmental Sciences</b>			
College of Biological Sciences	327	180	147
College of Agro-Biological Resource Sciences	507	247	260
College of Geoscience	210	141	69
<b>School of Science and Engineering</b>			
College of Mathematics	160	144	16
College of Physics	259	214	45
College of Chemistry	204	142	62
College of Engineering Sciences	491	428	63
College of Engineering Systems	527	480	47
College of Policy and Planning Sciences	506	393	113
Bachelor's Program in Interdisciplinary Engineering	29	23	6
<b>School of Informatics</b>			
College of Information Science	364	330	34
College of Media Arts, Science and Technology	240	202	38
College of Knowledge and Library Sciences	433	246	187
<b>School of Medicine and Health Sciences</b>			
College of Medicine	826	535	291
College of Nursing	310	13	297
College of Medical Sciences	149	45	104
School of Physical Education, Health and Sport Sciences	1,041	747	294
<b>School of Art and Design</b>	440	96	344
<b>School of Integrative and Global Majors</b>	23	8	15
<b>School of Comprehensive Studies</b>	435	335	100
<b>Total</b>	9,635	5,936	3,699

# 4 STUDENT BODY (GRADUATE SCHOOLS)

## Reorganized Graduate Schools (AY 2020 Established)

As of May 1, 2023 \*AY= Academic Year (Apr. 1 - Mar. 31)

	Total	Males	Females
<b>Graduate School of Business Sciences, Humanities and Social Sciences</b>			
Degree Programs in Humanities and Social Sciences	429	181	248
Degree Programs in Business Sciences	217	163	54
Law School Program	120	81	39
MBA Program in International Business	72	42	30
<b>Graduate School of Science and Technology</b>			
Degree Programs in Pure and Applied Sciences	785	644	141
Degree Programs in Systems and Information Engineering	1,452	1,214	238
Degree Programs in Life and Earth Sciences	1,028	599	429
Joint Master's Degree Program in Sustainability and Environmental Sciences	19	7	12
<b>Graduate School of Comprehensive Human Sciences</b>			
Degree Programs in Comprehensive Human Sciences	2,143	1,100	1,043
Joint Master's Program in International Development and Peace through Sport	12	5	7
Joint Doctoral Program in Advanced Physical Education and Sports for Higher Education	14	7	7
International Joint Degree Master's Program in Agro-Biomedical Science in Food and Health	30	9	21
<b>School of Integrative and Global Majors</b>	61	37	24
<b>Subtotal</b>	6,382	4,089	2,293

## Traditional Graduate Schools (AY 2020 Student Recruitment Suspended) As of May 1, 2023

	Total	Males	Females
Graduate School of Humanities and Social Sciences	114	63	51
Graduate School of Business Sciences	114	81	33
Graduate School of Pure and Applied Sciences	23	19	4
Graduate School of Systems and Information Engineering	55	40	15
Graduate School of Life and Environmental Sciences	45	33	12
Graduate School of Comprehensive Human Sciences	236	120	116
Graduate School of Library, Information and Media Studies	34	19	15
Graduate School of Integrative and Global Majors	17	15	2
<b>Subtotal</b>	638	390	248
<b>Total</b>	7,020	4,479	2,541

# 5 INTERNATIONAL STUDENTS

## ■ Number of International Students

As of May 1, 2023

### ① By Area

Region	No. of International Students	No. of Countries
Asia	1,891	20
North America	38	2
South and Central America	75	15
Europe	131	26
CIS	114	9
Oceania	9	5
Middle and Near East	33	1
Africa	108	26
<b>Total</b>	<b>2,399</b>	<b>104</b>

### ② By Country/Region

Top 10	Country/Region	No. of International Students
1	China	1,279
2	Republic of Korea	117
3	Indonesia	100
4	Taiwan	80
5	Vietnam	65
6	Kazakhstan	45
7	Malaysia	42
9	France	36
10	India/Bangladesh	35

### ③ By Student Category

Student Category	No. of International Students
Undergraduate Students	247
Graduate Students	1,749
Non-degree Research Students	160
Short-term International Students	235
Credited Auditors	0
Students of Intensive Japanese Training	8
<b>Total</b>	<b>2,399</b>

# 6 CAREER PATHS

## Career Paths of Graduates in AY 2022

(Sorted by School and College)

As of May 1, 2023

School/College	Graduates	Employed	Breakdown Ratio of Employed				Advanced to Graduate Schools	Others
			Private Sector	Educators	Public Sectors, etc.	Doctor's Residency		
School of Humanities and Culture								
College of Humanities	117 (46)	76 (29)	<div><div></div><div></div><div></div></div> <div>71%5%24%</div>				24 (10)	17 (7)
College of Comparative Culture	78 (51)	57 (39)	<div><div></div><div></div><div></div></div> <div>81%19%</div>				12 (5)	9 (7)
College of Japanese Language and Culture	37 (26)	29 (20)	<div><div></div><div></div><div></div></div> <div>62%17%21%</div>				6 (4)	2 (2)
School of Social and International Studies								
College of Social Sciences	104 (42)	74 (27)	<div><div></div><div></div><div></div></div> <div>86%1%12%</div>				7 (6)	23 (9)
College of International Studies	83 (47)	54 (34)	<div><div></div><div></div><div></div></div> <div>89%4%7%</div>				17 (5)	12 (8)
School of Human Sciences								
College of Education	34 (19)	26 (15)	<div><div></div><div></div><div></div></div> <div>65%31%4%</div>				3 (2)	5 (2)
College of Psychology	52 (26)	25 (12)	<div><div></div><div></div><div></div></div> <div>92%8%</div>				15 (11)	12 (3)
College of Disability Sciences	36 (28)	17 (13)	<div><div></div><div></div><div></div></div> <div>88%6%6%</div>				15 (13)	4 (2)
School of Life and Environmental Sciences								
College of Biological Sciences	87 (43)	12 (8)	<div><div></div><div></div><div></div></div> <div>75%8%17%</div>				69 (33)	6 (2)
College of Agro-Biological Resource Sciences	131 (68)	31 (19)	<div><div></div><div></div><div></div></div> <div>74%26%</div>				94 (47)	6 (2)
College of Geoscience	51 (15)	11 (4)	<div><div></div><div></div><div></div></div> <div>64%36%</div>				38 (10)	2 (1)
School of Science and Engineering								
College of Mathematics	32 (6)	11 (3)	<div><div></div><div></div><div></div></div> <div>73%27%</div>				18 (1)	3 (2)
College of Physics	49 (5)	4 (1)	<div><div></div><div></div><div></div></div> <div>75%25%</div>				39 (3)	6 (1)
College of Chemistry	50 (18)	6 (3)	<div><div></div><div></div><div></div></div> <div>67%33%</div>				42 (14)	2 (1)
College of Engineering Sciences	127 (14)	7 (0)	<div><div></div><div></div><div></div></div> <div>100%</div>				116 (13)	4 (1)
College of Engineering Systems	132 (16)	15 (2)	<div><div></div><div></div><div></div></div> <div>80%20%</div>				115 (14)	2 (0)
College of Policy and Planning Sciences	126 (29)	42 (17)	<div><div></div><div></div><div></div></div> <div>90%10%</div>				74 (10)	10 (2)
School of Informatics								
College of Information Science	107 (6)	32 (3)	<div><div></div><div></div><div></div></div> <div>97%3%</div>				70 (0)	5 (3)
College of Media Arts, Science and Technology	62 (11)	15 (2)	<div><div></div><div></div><div></div></div> <div>93%7%</div>				41 (8)	6 (1)
College of Knowledge and Library Sciences	104 (48)	70 (39)	<div><div></div><div></div><div></div></div> <div>86%14%</div>				21 (6)	13 (3)
School of Medicine and Health Sciences								
College of Medicine	135 (50)	134 (49)	<div><div></div><div></div><div></div></div> <div>100%</div>				1 (1)	0 (0)
College of Nursing	74 (71)	57 (54)	<div><div></div><div></div><div></div></div> <div>82%7%11%</div>				11 (11)	6 (6)
College of Medical Sciences	39 (29)	12 (10)	<div><div></div><div></div><div></div></div> <div>83%17%</div>				26 (18)	1 (1)
School of Physical Education, Health and Sport Sciences	240 (75)	150 (46)	<div><div></div><div></div><div></div></div> <div>87%5%9%</div>				56 (19)	34 (10)
School of Art and Design	102 (82)	55 (53)	<div><div></div><div></div><div></div></div> <div>95%2%4%</div>				36 (23)	11 (6)
School of Integrative and Global Majors (SIGMA)	5 (3)	3 (2)	<div><div></div><div></div><div></div></div> <div>100%</div>				2 (1)	0 (0)
Total	2,194 (874)	1,025 (504)	<div><div></div><div></div><div></div></div> <div>72%4%11%13%</div>				968 (288)	201 (82)

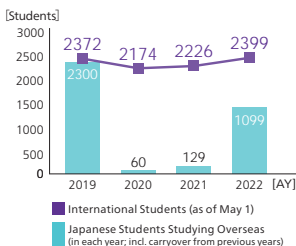
※ The figures in the parentheses indicate the number of female students.



# 7 INTERNATIONAL TIES

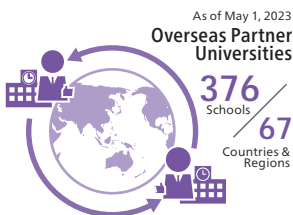
## Students from Overseas

The University of Tsukuba has attracted students from more than 100 countries and regions with many programs offered in English and hands-on Japanese language instruction tailored to each student's requirements.



## Overseas Study Opportunities

The University of Tsukuba has 376 partner institutions. Among those who studied abroad, approximately 40% were undergraduate students and 60% were graduate students. The most popular destination was China, followed by the USA and Germany.



## University of Tsukuba's Overseas Offices

We have 12 offices in 11 countries and regions.



## Campus-in-Campus (CiC) Partner Institutions

The Campus-in-Campus (CiC) Initiative is a scheme of sharing campuses among the partner universities with a purpose of utilizing our respective research and educational resources without any national or institutional barriers. Moreover, through the CiC scheme, partner universities are highly expected to enhance the mobility of exchange students, faculty members and administrative staff.

As of May 2023, the following universities are CiC partners:

Université de Bordeaux (France) / National Taiwan University (Taiwan) / University of São Paulo (Brazil) / Universiti Teknologi Malaysia (Malaysia) / University of California, Irvine (USA) / Utrecht University (Netherlands) / Université Grenoble Alpes (France) / The Ohio State University (USA) / Ruhr Universität Bochum (Germany) / Al-Farabi Kazakh National University (Kazakhstan)

# 8 RESEARCH ACHIEVEMENTS

## ■ Nobel Laureates

### 1965 Nobel Prize in Physics ■ TOMONAGA Sin-Itiro

[professor emeritus, former president of Tokyo University of Education] "For quantum electro dynamics, specifically for the discovery of super-many-time theory and the renormalization theory"

### 1973 Nobel Prize in Physics ■ ESAKI Leo

[professor emeritus, former president of University of Tsukuba] "For experimental discoveries regarding tunneling phenomena in semiconductors and superconductors"

### 2000 Nobel Prize in Chemistry ■ SHIRAKAWA Hideki

[professor emeritus, University of Tsukuba] "For the discovery and development of conductive polymers"

## ■ Number of Highly-Cited Academic Papers

One measure of a university's research achievements is the number of times its reserchers' papers are cited. According to "Ranking of Japanese research institutions based on the number of high-impact papers 2023 edition" published by Clarivate Analytics (Japan) Co.Ltd., the University of Tsukuba had the 11th highest number of highly-cited papers among all Japanese institutions in the eleven years from January 1, 2012 to December 31, 2022. A highly-cited paper is defined as an outstanding paper with the citation count ranked in the world's top 1%.

### Top 20 Japanese Research Institutions

Rank	Institution	No. of Highly-Cited Papers	Percentage
1	University of Tokyo	1,662	1.7%
2	Kyoto University	998	1.4%
3	RIKEN	702	2.3%
4	Osaka University	562	1.0%
5	Tohoku University	561	1.1%
6	National Institute for Materials Science	536	3.2%
7	Nagoya University	485	1.2%
8	Kyushu University	436	1.1%
9	Hokkaido University	374	1.0%
10	National Cancer Center Japan	348	3.5%
11	University of Tsukuba	320	1.2%
12	Tokyo Institute of Technology	320	1.1%
13	Keio University	290	1.2%
14	National Institute of Advanced Industrial Science and Technology	284	1.1%
15	Hiroshima University	258	1.1%
16	Waseda University	234	1.5%
17	Kobe University	227	1.1%
18	National Institutes of Natural Sciences	222	1.6%
19	Okayama University	201	1.2%
20	Kindai University	169	2.0%

# 9 EXTERNAL FUNDING

## Number of Grants-in-Aid Received in FY 2022\*

Rank	Institution	Number of Grants-in-Aid (incl. new and ongoing)	New grants	Rank	Institution	Number of Grants-in-Aid (incl. new and ongoing)	New grants
1	University of Tokyo	4,041	1,298	6	Nagoya University	1,821	620
2	Kyoto University	3,025	990	7	Hokkaido University	1,703	550
3	Osaka University	2,592	888	8	University of Tsukuba	1,379	449
4	Tohoku University	2,480	794	9	Hiroshima University	1,280	409
5	Kyushu University	2,062	693	10	Kobe University	1,148	350

Source: Ministry of Education, Culture, Sports, Science and Technology, Distribution of Grants-in-Aid for Scientific Research in FY2022 (January 2023)

\*Sorted according to research institutions to which the principal investigator of each project belongs.

\*The above source lists only major categories.

## Major Categories of Grants-in-Aid Received in FY 2022\*

Philosophy, art, and related fields / Literature, linguistics, and related fields / Geography, cultural anthropology, folklore, and related fields / Sociology and related fields / Education and related fields / Psychology and related fields / Algebra, geometry, and related fields / Particle-, nuclear-, astro-physics, and related fields / Social systems engineering, safety engineering, disaster prevention engineering, and related fields / Inorganic/coordination chemistry, analytical chemistry, and related fields / Biomolecular chemistry and related fields / Agricultural chemistry and related fields / Agricultural and environmental biology and related fields / Agricultural economics and rural sociology, agricultural engineering, and related fields / Biology at organismal to population levels and anthropology, and related fields / Neuroscience and related fields / Brain sciences and related fields / Society medicine, nursing, and related fields / Sports sciences, physical education, health sciences, and related fields / Information science, computer engineering, and related fields / Human informatics and related fields / Applied informatics and related fields / Environmental conservation measure and related fields

Source: Ministry of Education, Culture, Sports, Science and Technology, Distribution of Grants-in-Aid for Scientific Research in FY2022 (January 2023)

\*Categories of grants-in-aid of "Medium-sized Section" for which the University is ranked within top 10 on receiving number (cumulative number newly adopted last four years)

## External Funding Acceptance Record in FY 2022

Category	No. of Projects	Amount of External Funding
Projects Funded with MEXT Grant-in-Aid for Scientific Research (Provisional grant amount)(Principal investigator's only)	1,575	4,485,187
Research Performed under Contract (Including clinical trial)	782	6,029,130
Joint Research	649	1,980,833
Projects Funded by Donations (for Academic Research) and Research Grants	626	1,777,256

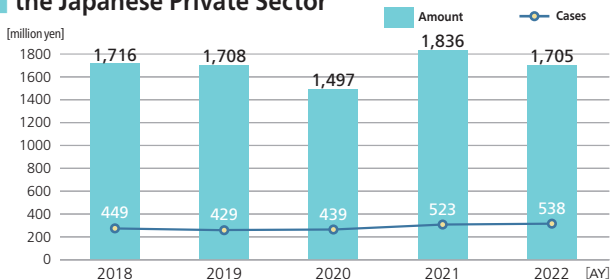
(Unit: thousand yen)

## Typical Examples of External Funding in FY 2022

Fund	Project	Representative Researcher
KAKENHI Grant-in-Aid for Specially Promoted Research	Molecular design of innovative drugs based on molecular assembly	Institute of Pure and Applied Sciences NAGASAKI Yukio, Professor
KAKENHI Grants-in-Aid for Scientific Research	Deciphering the mysteries of sleep: creating a global network of sleep neurobiologists	International Institute for Integrative Sleep Medicine (WPI-IIIS) YANAGISAWA Masashi, WPI-IIIS Director and Professor
AMED A Project Focused on Developing Basic Technology Aiming at Industrialization of Regenerative Medicine and Gene Therapy (Development of Advanced Drug Discovery Tools Based on Regenerative Medicine Technology)	Empirical study on drug discovery platform using domestically produced MPS based on commercialization strategy	Institute of Life and Environmental Sciences ITO Yuzuru, Professor
JST Strategic Basic Research Programs CREST	Computationally-augmented optical coherence microscopy for label-free imaging of living tissue	Institute of Medicine YASUNO Yoshiaki, Professor
Cabinet office of Japan Project on the development and establishment of advanced services	Experimental Examination for Developing an Inclusive City	Institute of Systems and Information Engineering SUZUKI Kenji, Professor

# 10 PARTNERSHIPS & UNIVERSITY START-UPS

## University of Tsukuba Joint Research Funding from the Japanese Private Sector

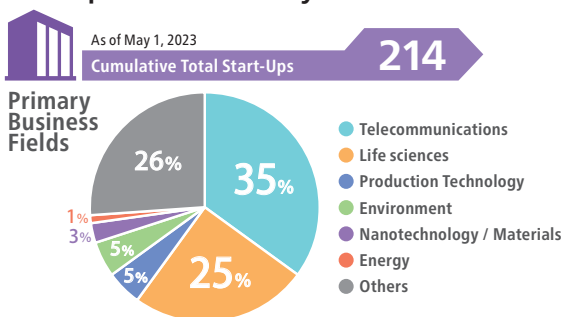


## R&D Centers

The R&D Centers are part of the University of Tsukuba's quest to pursue research and innovation that result in benefits for society. Externally funded, these centers are established as industry-university-government partnerships for joint research in areas of high demand from the community. As of April 1, 2023, the university has 13 R&D Centers, which operate under the Headquarters for International Industry-University Collaboration.

- R&D Center for Precision Medicine
- R&D Center for Sport Innovation
- R&D Center for Strategic Frontiers Social Planning
- R&D Center for Health Services
- R&D Center for Tailor-Made QOL
- R&D Center for Working Persons' Psychological Support
- R&D Center for Innovative Material Characterization
- R&D Center for Innovative Drug Discovery
- R&D Center for Digital Nature
- R&D Center for Wellness Innovation
- R&D Center for Smart Wellness City Policies
- R&D Center for Lifestyle Innovation
- R&D Center for Zero CO<sub>2</sub> Emission with Functional Materials

## Start-ups from University of Tsukuba



## Fund-Raising by Start-ups from University of Tsukuba

The amount of fund-raising has expanded rapidly due to the success of Start-ups. It has exceeded 36 billion yen since AY 2018.

# 11 SOCIAL CONTRIBUTION & REGIONAL COOPERATION

## ■ Tsukuba International Strategic Zone

In 2011, Tsukuba City was designated an International Strategic Zone. Under this concept, the strengths of the universities and research institutions throughout the greater Tsukuba area are pooled and leveraged to drive innovations and lead to the quick development of new businesses for the betterment of lifestyles and the environment.

International Strategic Zones benefit from deregulation of national and local government regulations and receive financial and taxation support as they strive to promote industry. At present, there are nine projects underway in the Tsukuba International Strategic Zone, and the University of Tsukuba is involved in eight of them.

- Development and implementation of boron neutron capture therapy (BNCT)
- Living with personal care robots
- Commercialization of algae biomass energy
- TIA, creating a global innovation platform
- Development of innovative pharmaceuticals and medical technologies using biomedical resources in Tsukuba
- Domestic production of medical radioisotope (technetium-99m) in Japan
- Achieving practical use of revolutionary robot medical equipment and the formation of a global focal point
- Practical development of a recycling system for strategic urban mining
- Development and commercialization of a plant-based useful material production system that promotes human health

## ■ High School-University Cooperation

Given its strengths as a provider of a comprehensive range of education and taking advantage of its location in Tsukuba Science City, the University of Tsukuba promotes partnerships with high schools. The university faculty on the front lines of research conduct lessons at high schools and provide mock university lectures so that the students can experience university classes, thus contributing to human resource development for high school students.

## ■ Social Contribution Projects

We are developing the unique initiatives of the University of Tsukuba with a wide range of academic area, such as "Science Promotion (2)", "Globalization (2)", "Culture and regional revitalization (9)", "Environment (1)", "Health, medical care, and welfare (7)", "Disaster prevention/earthquake disaster reconstruction (2)" etc.

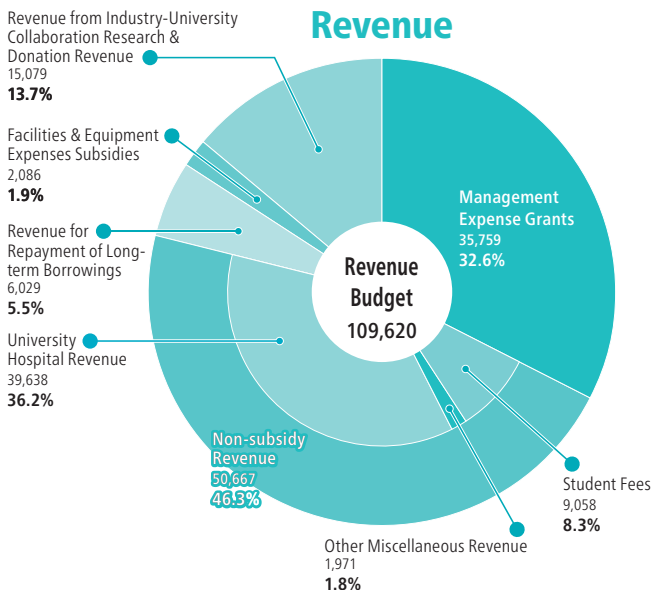
### Examples of Social Contribution Projects for AY 2023

Field	Project
Health, medical care, and welfare	Nature Experience for Children with Intractable Diseases
Culture and regional revitalization	TSUKUSAKA Food and Agriculture Experience Activity Support Project
Environment	Imori-no-Sato Project 2023: Continued Development of a Network for Restoration and Maintenance of Yatsuda and Satoyama

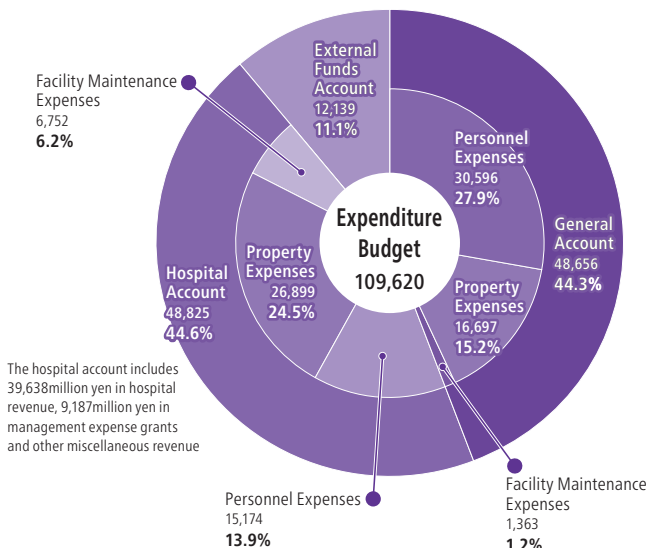
# 12 FINANCES

## University of Tsukuba Initial Budget for AY 2023

(unit: million yen)



### Expenditure

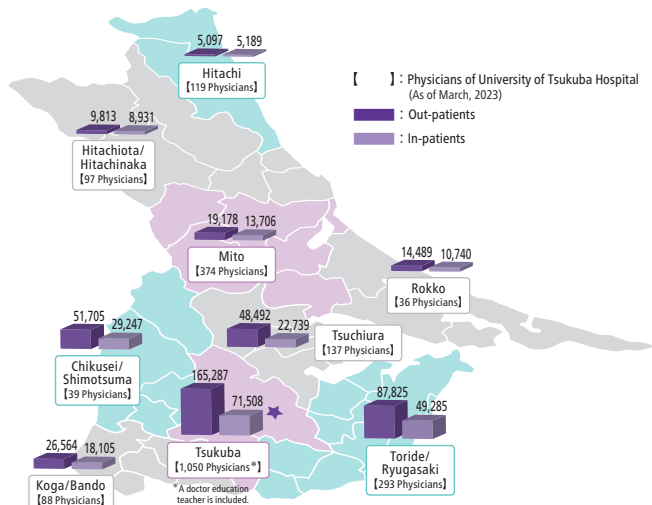


## ■ Provision of Advanced Medical Care

As the single advanced treatment hospital in Ibaraki prefecture (88 advanced treatment hospitals nationwide), we engage in the treatment specialized in advanced medical care such as cancer treatment using proton beams, surgery using surgical support robots (da Vinci), etc. As the last bastion of the regional medical care, we accept the patients who need the advanced medical care from all over the prefecture, and contribute to the regional medical care.

## ■ Enhancement of Community Medical Care through Training of Physicians

As the single educational institution of medicine (81 institutions nationwide), we train physicians who will be responsible for regional medical care and prevent the regional medical collapse due to lack of physicians or uneven distribution. About half of the graduates of University of Tsukuba are now working in the prefecture, and one-third of the number of physicians in the prefecture are physicians of University of Tsukuba Hospital.



## ■ Achievement of Critical-Care Patients Acceptance

As the single Advanced Emergency and Critical Care Center in our prefecture (46 centers nationwide), we accept severe patients 24-hour / 365-day, difficult to cope with the other non-advanced centers in the prefecture and provide advanced medical care to the patients. Also we engage with fostering emergency physicians to strengthen the system of emergency medicine.

	No. of Critical-Care Patients	No. of Ambulance Transport	No. of Ambulance Helicopter Transport
FY2020	7,213	3,037	31
FY2021	7,489	3,134	49
FY2022	8,172	3,759	37

# 14 LABORATORY SCHOOLS

As of May 1, 2023

School Founding Year (Location)	Characteristics	No. of Students No. of Teachers
Elementary School 1873 (Tokyo)	(1) Specialist teachers for each subject (Classes of 32 students) (2) Classes and research achievements made public on open days (twice a year; total attendance approx. 8,000 people)	756 37
Junior High School at Otsuka 1888 (Tokyo)	(1) "Learning How to Learn" Education which enhances students' active creativity and inquisitive mind. (2) Emphasizing not only academic education but also practical activities, aiming for the growth of great individuality and harmonious physical and mental development.	611 31
Senior High School at Otsuka 1888 (Tokyo)	(1) Academic education ensures the acquisition of fundamental knowledge. Well-balanced curriculum. (2) Student-led events and ceremonies	708 47
Junior High School & Senior High School at Komaba 1947 (Tokyo)	(1) The only national integrated junior and senior high school for boys in Japan, designated a Super Science High School (21 consecutive years) (2) Students are encouraged to take part in various school events to develop their creativity and leadership	854 45
Senior High School at Sakado 1946 (Saitama)	(1) Practical education of integrated course education. A member of the UNESCO associated Schools Project Network, International Baccalaureate (IB) school. Organizes a High School ESD Symposium annually. (2) Development of experiential and practical learning that leads to students' way of life.	470 48
Special Needs Education School for the Visually Impaired 1876 (Tokyo)	(1) Dissemination of leading education and research as the only national school offering special needs education for the visually impaired (2) Learning by touch, students create school events by themselves	162 108
Special Needs Education School for the Deaf 1876 (Chiba)	(1) The only national school offering special needs education for the deaf (2) Practice and dissemination related to language instruction, subject instruction, professional education, etc. from infants to graduate programs	187 91
Special Needs Education School for the Mentally Challenged 1908 (Tokyo)	(1) A leader in education for people with intellectual disabilities (2) Practice of research and development on curricula, etc. for education of the intellectually disabled, designated by the Ministry of Education, Culture, Sports, Science and Technology as a school for research and development	69 36
Special Needs Education School for the Physically Challenged 1958 (Tokyo)	(1) A leader in education for people with physical disabilities (2) Individual learning plans and instruction aimed at developing independence; extensive use of ICT and self-made teaching materials	120 68
Special Needs Education School for Children with Autism 1973 (Kanagawa)	(1) A leader in education for people with intellectual disabilities related to autism (2) Organizes a committee on research into education for people with autism	52 39

The duties of the university's 11 laboratory schools related to their operation are coordinated and supervised by the Education Bureau of the Laboratory Schools.



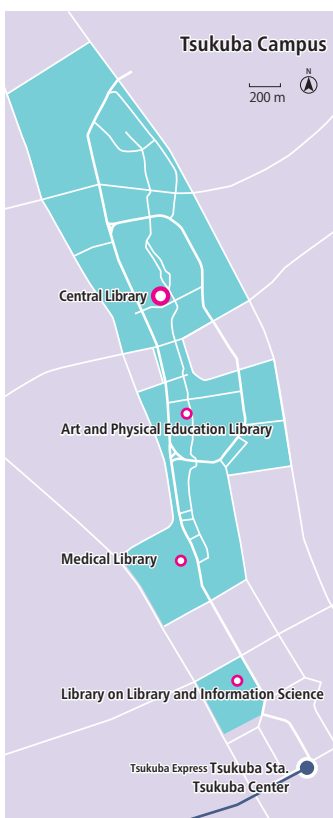
# 15 UNIVERSITY LIBRARIES

## Library Use in AY 2022

People Entering Libraries	524,978
	1,512 per day
People Borrowing Books	82,007
	236 per day
Books Borrowed	215,354
	620 per day

## Collection (As of March 31, 2023)

Books	Japanese	1,695,479
	Foreign	1,047,559
	E-books	42,279
Journals and Magazines	Japanese	17,916
	Foreign	13,004
	E-journals	39,541



## Library Hours

Tsukuba Campus		During the Semester	Vacation Periods
● Central Library	Mon. – Fri.	8:30 - 22:00	9:00 - 20:00
	Sat./Sun./Hol.	9:00 - 20:00	9:00 - 18:00
● Art and Physical Education Library ● Library on Library and Information Science	Mon. – Fri.	8:30 - 22:00	9:00 - 17:00
	Sat./Sun./Hol.	10:00 - 18:00	Closed
● Medical Library	Mon. – Fri.	8:30 - 22:00	9:00 - 20:00*
	Sat./Sun./Hol.	9:00 - 22:00	

\*Library hours in February and September are the same as during the semester.

Tokyo Campus	Mon.	Tue.–Fri.	Sat.	Sun.	Hol.
● Otsuka Library	10:30 - 18:30	10:00 - 21:10	10:00 - 19:50	10:00 - 18:00	Closed

Any temporary closures or changing to opening hours will be announced on the library website.

The Tsukuba Campus covers approximately 257 hectares, stretching around five kilometers north-to-south and about one kilometer east-to-west. The Education Bureau of the Laboratory Schools and graduate school facilities for working individuals are located in the Bunkyo School Building at the Tokyo Campus.

Access

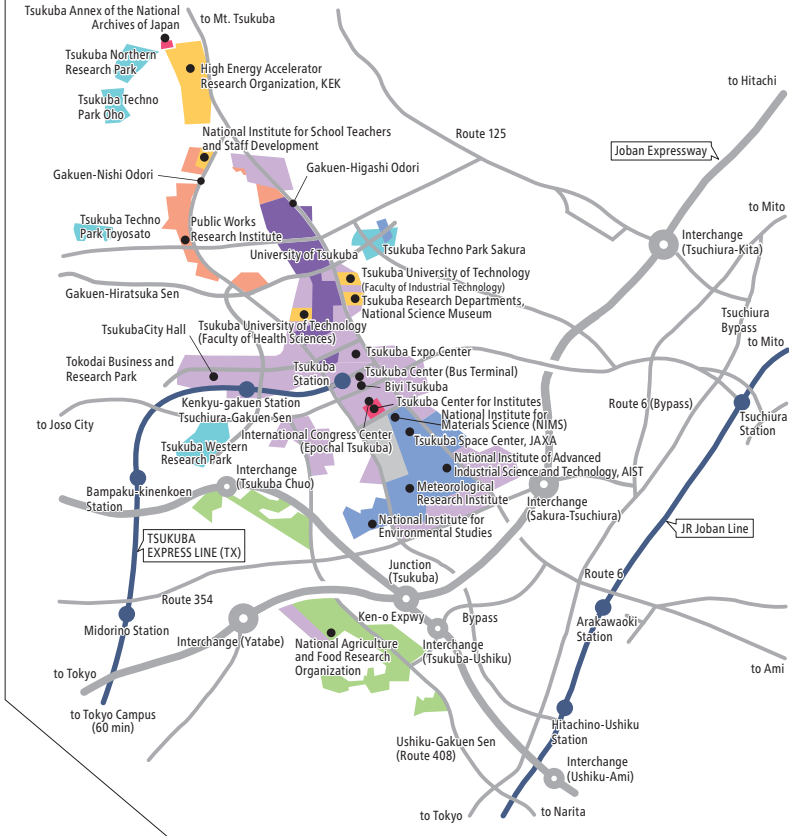


Tsukuba Campus

Area Name	Name of Facility
East Area	1 Stable
Agricultural and Forestry Research Center Area (Farm)	2 Tsukuba-Plant Innovation Research Center (T-PIRC Farm)
Ichinoya	3 Ichinoya Residence Hall
Residence Area	4 Ichinoya Community Center
Research Center Area	5 Center for Research in Radiation, Isotopes, and Earth System Sciences (CRIES) (Environmental Dynamics & Prediction Section)
	6 Life Science Center for Survival Dynamics, Tsukuba Advanced Research Alliance (TARA)
	7 Tsukuba Industrial Liaison and Cooperative Research Center
	8 Plant-based Material Production Research Building
	9 Plasma Research Center
	10 Algae Biomass and Energy System Research Unit
	11 Empowerment Studio
	12 Research Facility Center for Science and Technology (Engineering Workshop Division)
	13 Research Facility Center for Science and Technology (Cryogenics Division)
	14 Center for Research in Radiation, Isotopes, and Earth System Sciences (CRIES) (Tandem Accelerator Complex)
	15 Cooperative Research Building C
	16 Research Facility Center for Science and Technology (Chemical Analysis Division)
	17 Project and Research Building
	18 Center for Research in Radiation, Isotopes, and Earth System Sciences (CRIES) (Radioisotope Research Section)
	19 University of Tsukuba Archives / Energy Plant
Area 3	20 Third Gymnasium
	21 3A-3D·G, 3K, 3L Buildings / Academic Service Office for the Systems and Information Engineering Area
	22 Institutes of Engineering Sciences
	23 Natural Sciences Building
	24 Cooperative Research Building D
	25 Laboratory of Advanced Research B
	26 Cybernetics Research Building
Area 2	27 Tsukuba-Plant Innovation Research Center (T-PIRC) (Gene Research Center)
	28 Institutes of Biological and Agricultural Sciences
	29 First Gymnasium
	30 Laboratory of Advanced Research A
	31 2A-2E, 2G, 2H Buildings / Academic Service Office for the Life and Environmental Sciences Area, Academic Service Office for the Human Sciences Area
	32 Master's Programs in Humanities and Social Sciences
	33 Institutes of Human Sciences
	34 Laboratory for Environmental Disaster Prevention Research / Mountain Science Center
Area 1	35 Central Library
	36 Institutes of Humanities and Social Sciences
	37 Joint Use Facility Building A
	38 Cooperative Research Building A
	39 Joint Use Facility Building D
	40 1D-1G Buildings / Student Plaza
	41 1A-1C, 1H Buildings / Academic Service Office for the Humanities and Social Sciences Area, Academic Service Office for the Pure and Applied Sciences Area, Student Commons, Academic Support Center for the School of Comprehensive Studies
	42 Students' Club House (Cultural)
	43 Institutes of Natural Sciences
	44 Center for Computational Sciences (CCS)
Administration Center Area	45 Administration Center, Annex Building
University Hall Area	46 Auditorium
	47 University Hall / University of Tsukuba Gallery / University of Tsukuba Art Space
	48 University of Tsukuba 30th Anniversary Hall
	49 University Hall B
	50 Academic Computing and Communications Center
	51 Center for Education of Global Communication (CEGLOC)
	52 University Health Center
	53 International Lecture Building
Art and Physical Education Area	54 Institute of Art and Design
	55 5C Building/Academic Service Office for the Art and Sport Sciences Area
	56 Cooperative Research Building B
	57 Institute of Health and Sport Sciences
	58 Sport Performance and Clinic Laboratory
	59 6A, 6B Buildings
	60 Workshop (Art and Design)
	61 Practice Rooms for Art & Design
	62 Art and Physical Education Library
	63 Central Gymnasium
	64 T-Dome
	65 Sport Fluid Engineering Laboratory
	66 Cafeteria for Art and Physical Education
	67 Global Sport Innovation Building
	68 Sport and Physical Education Center / Sport and Physical Student's Club House
	69 Indoor Swimming Pool
	70 Gymnasium (Martial Arts)
	71 Gymnasium (Volleyball)
	72 Kambara Hall
	73 Laboratory of Advanced Research D
Athletic Fields Area	74 Japanese Archery Training Hall
	75 Tsukuba Training Lodge
	76 Club House
	77 Building for Extra-curricular Activities

Other Facilities

Saitama	Toda Boat House and dormitory
Chiba	Tateyama Training Center
Yamanashi	Yamanaka Training Center
Nagano	Yatsugatake Forest
	Sugadaira Research Station
Shizuoka	Ikawa Forest
	Shimoda Marine Research Center



- Education
- Construction
- Science and Engineering
- Biology and Agriculture
- Common Facilities
- Research Park
- Science City Area

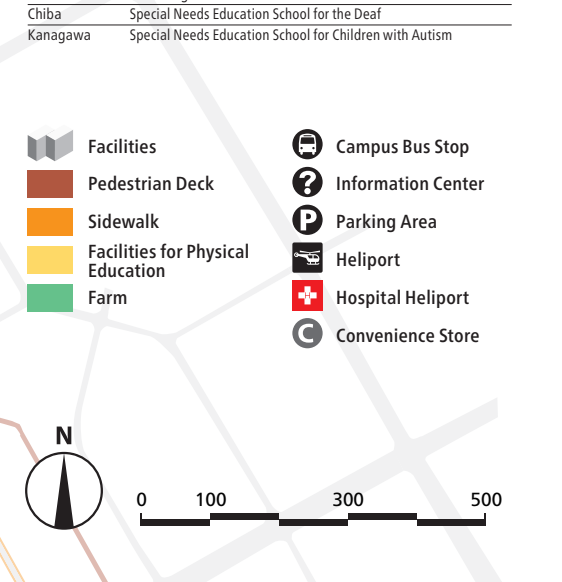
Area Name	Name of Facility
Medical Area	78 Energy Plant
	79 IIIS
	80 4B, 4C, 4D Buildings
	81 Laboratory Animal Resource Center
	82 4E Building
	83 Joint Use Facility Building B
	84 Medical Radioisotope Research Institutes
	85 Institute of Medicine
	86 University of Tsukuba Hospital
	87 4A Building / Academic Service Office for the Medical Sciences Area
	88 Medical Sciences Building
	89 Medical Library / Clinical Lecture Rooms
	90 Cafeteria for Medical Sciences
	91 Second Gymnasium
	92 Proton Medical Research Center
	93 Health and Medical Science Innovation Laboratory
	94 Tsukuba Medical Laboratory of Education and Research
	95 Advanced Imaging Center
	96 Disaster Prevention and Infection Control Building
Hirasuna Residence Area	97 Hirasuna Community Center
	98 Hirasuna Residence Hall
	99 Global Village
	100 Medical Residences
Oikoshi Residence Area	101 Oikoshi Community Center / Yurinoki Day-care Center
	102 Oikoshi Residence Hall
	103 Foreign Scholars' Residence
Kasuga Area	104 7A Building
	105 Kasuga Residence Hall Buildings 1, 2
	106 Innovative Medical Research Institute
	107 Kasuga Auditorium
	108 7B, 7C Buildings / Academic Service Office for the Library, Information and Media Sciences Area
	109 Library on Library and Information Science
	110 7D Building
	111 Fourth Gymnasium
	112 Kasuga Japanese Archery Training Hall
	113 Union of Library and Information-media Studios
	114 Kasuga Residence Hall Building 3
	115 Kasuga Welfare Facilities
	116 Global Guest House

Tokyo Campus

	Name of Facility
Bunkyo School Building	117 Otsuka Library
	Academic Service Office for the Business Sciences
	Research Center for University Studies
	Education Bureau of the Laboratory Schools
	Department of Tokyo Campus Affairs
	Acupuncture and Physical Therapy Teacher Training School
	Bureau of Public Relations, Tokyo Branch

Laboratory Schools	
Tokyo	Elementary School, Junior High School at Otsuka, Senior High School at Otsuka, Junior High School and Senior High School at Komaba, Special Needs Education School for the Visually Impaired, Special Needs Education School for the Mentally Challenged, Special Needs Education School for the Physically Challenged
Saitama	Senior High School at Sakado
Chiba	Special Needs Education School for the Deaf
Kanagawa	Special Needs Education School for Children with Autism

- Facilities
- Pedestrian Deck
- Sidewalk
- Facilities for Physical Education
- Farm
- Campus Bus Stop
- Information Center
- Parking Area
- Heliport
- Hospital Heliport
- Convenience Store



# IMAGINE THE FUTURE.



**創基 151年**

筑波大学 50周年記念

50TH ANNIVERSARY OF  
UNIVERSITY OF TSUKUBA

**Maps and Data**  
**University of Tsukuba**

At a Glance

Academic Year 2023

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[www.tsukuba.ac.jp/en/](http://www.tsukuba.ac.jp/en/)