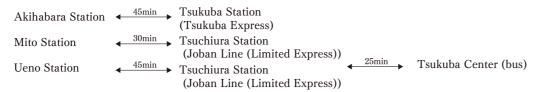


#### **Transportation Access**

#### Train



#### Car

#### Highway

#### Access from the Major Airports

Narita Airport 
$$\longleftrightarrow$$
 55min  $\longleftrightarrow$  Tsukuba Center (highway bus)

Haneda Airport  $\longleftrightarrow$  120min  $\longleftrightarrow$  Tsukuba Center (highway bus)

Ibaraki Airportt  $\longleftrightarrow$  60min  $\longleftrightarrow$  Tsukuba Center (highway bus)



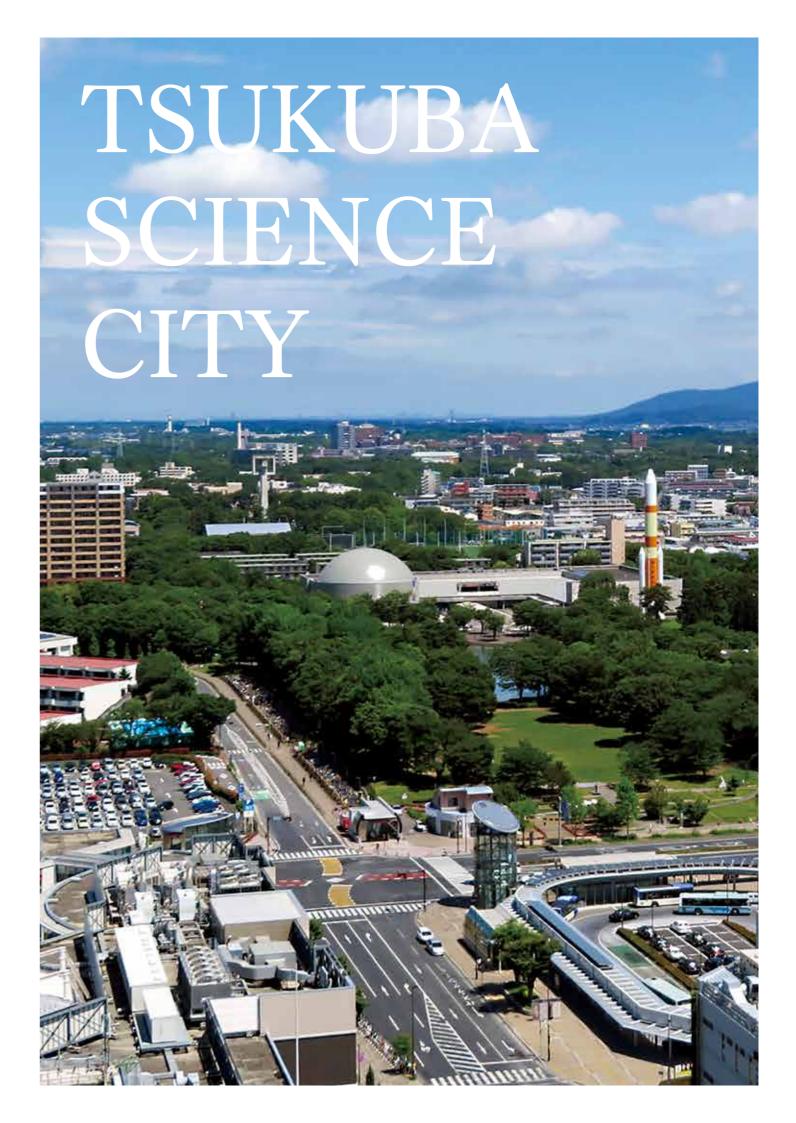
# Regional Development Division Ibaraki Prefecture Department of Policy Planning

978-6 Kasahara-cho, Mito, Ibaraki Tel: 029-301-2678 http://www.pref.ibaraki.jp/soshiki/kikaku/chikei/index.html



**IBARAKI Prefectural Government** 

Published in March, 2023





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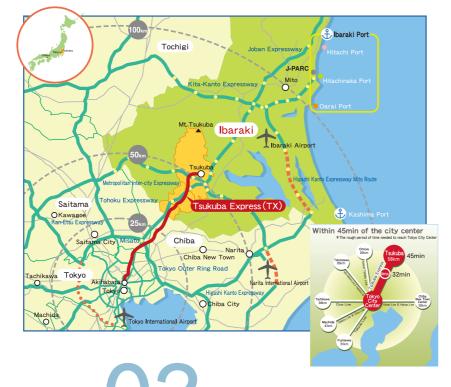
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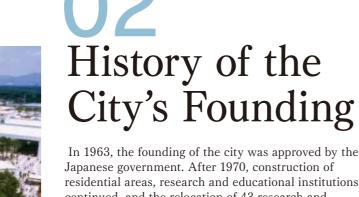
# Introduction of the City

Tsukuba Science City is located at about 50km North East of the metropolitan area of Tokyo and has excellent access from the metropolitan area including an approximate 45 min train ride from Akihabara Station by the Tsukuba Express (TX), and approximate 45 min car ride from Narita Airport using the Metropolitan Inter-City Expressway (Ken-O-Expressway).

Tsukuba Science City is formed by entire regions of Tsukuba City, and consists of "Research Center District" and "Surrounding Development District". The former is a district where national, semi-national and other research and educational institutions, commercial and business facilities, as well as a residential area (Appx.2700 ha) are systematically allocated. The latter district is the balanced surrounding area of the "Research Center District" that is planned for development (Appx. 25,700 ha).

The city's population is about 240,000, of which about 10,000 are foreigners, representing 4% of the population. Reference: "2020 Population Census".





In 1963, the founding of the city was approved by the Japanese government. After 1970, construction of residential areas, research and educational institutions continued, and the relocation of 43 research and educational institutions planned in 1980 (currently 29 institutes due to consolidations and other circumstances) was completed.

Relocations of large-scale commercial facilities to the city continued and in 1985, the International Exposition Tsukuba, Japan, which served as an opportunity to spread the "TSUKUBA" name to the world, was held.

In 2005, the TX (express train) started its operation. Following this, the surrounding environment of the city has dramatically improved through the opening of Ibaraki Airport and the Ken-O-do expressway and other projects. In 2011, Tsukuba City was designated as Tsukuba International Strategic Zone and Tsukuba Science City celebrated its 50th anniversary in 2013 from the approval of Japanese government and has since flourished as a hub for scientific technology.

Since then, the city has grabbed the world's attention due to hosting the G7 Science and Technology Ministers' Meeting in Tsukuba, Ibaraki (2016) and the G20 Ministerial Meeting on Trade and Digital Economy in Tsukuba, Ibaraki (2019)



The international Exposition Tsukuba, Japan(1985)



G20 Ministerial Meeting on Trade and Digital Economy in Tsukuba, Ibaraki (2019)

# O3 Hub of R&D Centers and their Activities

## Research and educational institutions

Through the systematic transfer of national research and educational institutions from Tokyo, there are currently 29 researches and educational institutions established in Tsukuba Science City aiming to ease overcrowding in Tokyo and conduct high-quality research and education.

The city is near the metropolitan area of Tokyo and has rich nature, attracting many private research centers and making it the largest hub of scientific technology in Japan.



Advanced Industrial Science and Technology (AIST)



High Energy Accelerator Research Organization (Photon factory)

#### National Research and Educational Institutions

(29 institutions that were selected for transfer or new construction by the Science City Construction Promotion Headquarters

Educational Institutions (7 institutions Cabinet Office: ①National Archives of Japan, Tsukuba Branch

Ministry of Foreign Affairs:

②Japan International Cooperation Agency Tsukuba Center

Ministry of Education, Culture, Sports, Science, and Technology:

3 University of Tsukuba Tsukuba University of Technology Technology High Energy Accelerator Research Organization

6National Museum of Nature and Science,

(7) National Institute for School Teachers and Staff Development

Construction (6 institutions

Ministry of Internal Affairs and Communications: **®NTT Access Network Service Systems Laboratories** Ministry of Education, Culture, Sports, Science, and Technology:

(9) National Research Institute for Earth Science and Disaster Prevention

Ministry of Land, Infrastructure, Transportation, and

@Geospatial Information Authority of Japan Mational Institute for Land and Infrastructure Management

<sup>(2)</sup>Public Works Research Institute (3) Building Research Institute

Science and Engineering

Ministry of Education, Culture, Sports, Science, and Technology:

(4) National Institute for Materials Science (5)JAXA

Ministry of Economy, Trade, and Industry: (6)National Institute for Advanced Industrial Science and Technology

Science and Institutions 7 institutions

Ministry of Land, Infrastructure, Transportation, and Tourism:

Meteorological Research Institute

®Aerological Observator

(9)Meteorological Instrumentation Testing Center

Ministry of the Environment:

20 National Institute for Environmental Studie

Ministry of Education, Culture, Sports, Science, and Technology:

②RIKEN Tsukuba Research Institute Ministry of Health, Labor, and Welfare:

22 National Institute of Biomedical Innovation, Tsukuba Primate Research Center

3 National Institute of Biomedical Innovation, Research Center for Medicinal Plant Resources Ministry of Agriculture, Forestry, and Fisheries:

Tsukuba Business-Academia Cooperation Support Center, Agriculture, Forestry and Fisheries

Research Council Secretariat 3 National Agriculture and Food Research

Organization 26 Japan International Research Center for

Agricultural Science

@Forestry and Forest Products Research Institute 28 Yokohama Plant Protection Station, Tsukuba Field

Institutions (1 institution

**Biological** 

Sciences

(8 institutions)

Ministry of Education, Culture, Sports, Science, and Technology:

29 Tsukuba Center for Institutes

Total 29 institutions \*total area is 1,400ha

TSUKUBA SCIENCE CITY TSUKUBA SCIENCE CITY

#### Location of Research and **Educational Institutions** 1 National Archives of Japan, 2 Japan International Cooperation Agency Tsukuba Center 3 University of Tsukuba 4 Tsukuba University of Technology High Energy Accelerator Research Organization 6 National Museum of Nature and Science, Tsukuba Region National Institute for School Teachers and Staff Development 8 NTT Access Network Service Systems Laboratories National Research Institute for Earth Science and Disaster Prevention Geospatial Information Authority of Japan Kenkyu-Gakuen National Institute for Land and Infrastructure Management Tsukuba Station Sakura-Public Works Research Institute Station 1 Tsuchiura Kinenkoen Building Research Institute Station Chuo IC Tsukuba Smart IC National Institute for Materials Science Now open **I**JAXA National Institute for Advanced Industrial Science and Technology sukuba JCT Midorino Statio Arakawaoki 17 Meteorological Research Institute Yatabe IC Tsukuba-Ushiku IC 18 Aerological Observatory 19 Meteorological Instrumentation Testing Center ↓ Akihabara Hitachino-Ushiku 20 National Institute for Environmental Studies 21 RIKEN Tsukuba Research Institute National Institute of Biomedical Innovation, Tsukuba Primate Research Center National Institute of Biomedical Innovation, Research Center for Medicinal Plant Resources Ushiku Station Tsukuba Business-Academia Cooperation Support Center, Agriculture, Forestry and Fisheries Research Council Secretariat 25 National Agriculture and Food Research Organization Expressway 26 Japan International Research Center for Agricultural Sciences National Highway Major Road 27 Forestry and Forest Products Research Institute □ Joban Express Tsukuba Express 28 Yokohama Plant Protection Station, Tsukuba Field Research/

29 Tsukuba Center for Institutes

# Researchers and research exchanges

A total of 20,000 people from the public and private sectors work at research institutes located in Tsukuba Science City, and various research exchanges are conducted.

Furthermore, the city constantly attracts foreign researchers including those who visit the city for business or international conferences from all over the world for its high level research environment, making it a city where world-class skilled individuals can actively take part in their work.

#### Number of Researchers at Tsukuba Science City

Classification	Organization	Japanese Researchers (A)	Japanese Researchers with PhDs	Foreign Researchers (B)	Total Researchers (A) + (B)	
	National Institutions	381	91			
Public Institutions:	Independent Organizations	7,711	4,109	6,189	16,827	
	National Universities	2,546	2,275			
PublicEntities:	Public-service Corporation/ Educational Corporation	175	75	7	2.020	
Private:	Limited Private Companies, etc	2,646	554	1	2,828	
Total		13,459	7,104	6,196	19,655	

Source: 2020 Survey Overview of Institutes Located in Tsukuba Science City 2020 Survey of Foreign Researchers in Tsukuba Science City

#### Breakdown of Foreign Researchers Based on Nationality and Region

Rank	Nationalities and Regions	Number of People	Percentage of Total	Rank	Nationalities and Regions	Number of People	Percentage of Total
1	China	2,275	36.7	7	Indonesia	167	2.7
2	Korea	399	6.4	8	Malaysia	167	2.7
3	India	274	4.4	9	France	156	2.5
4	Taiwan	237	3.8	10	Thailand	124	2.0
5	Vietnam	231	3.7	Other		1,989	32.1
6	USA	177	2.9	Total (157 Countries)		6,196	

2020 Survey of Foreign Researchers in Tsukuba Science City

# Foreigner Researcher Housing

Foreign researcher housing is provided for foreign researchers, and their families, who conduct research projects in research institutions and universities. These facilities provide support for living in Tsukuba, such as procedures for transferring schools, consultations regarding food and shopping, Japanese language classes for residents, and cultural events.



Ninomiya House International Residence for Researchers

# Various Exchange Events

#### Tsukuba Science Academy

Established in 2000 through the help of Dr. ESAKI Leo, recipient of the Nobel Prize for Physics and former president of the University of Tsukuba. It offers cross-disciplinary research exchange events for scientists and technologists to report their findings, independent and informal interaction opportunities for researchers, and seminars on science and technology. http://www.science-academy.jp/

#### Tsukuba Science City Network

The goal of this network is a developed city, achieved through collaboration in mutual research exchange and consideration of joint issues by its members. It is composed of various offices, including national, prefectural, municipal, national education bodies, independent, and private research and educational institutions. It undertakes measures for creating a low carbon-emitting society, professional development of researchers, access to public information, and advanced information sharing. http://www.tsukuba-network.jp/

TSUKUBA SCIENCE CITY TSUKUBA SCIENCE CITY

**Educational Institution** 

# Tsukuba International Congress Center

Tsukuba International Congress Center was opened in 1999 with the aim of enhancing the city's research exchange functions. Mr. ESAKI Leo is the director of the congress center. It has been the venue for many international and national conferences, as well as science events held for junior high and high school students such as "Science Casting" and "Tsukuba Science Edge".

#### Introductions of the facilities and equipment

- •A Big hall (For up to 1,258 people)
- ●Two Mid-size halls
- Nineteen Conference rooms that can be connected with monitors making it is possible to hold conferences of up to 2,500 people. It has also a multipurpose conference room, Japanese room, rooftop garden, restaurants and more.
- Equipment such as A 400 inch wide high-luminance and high-definition projector, simultaneous interpretations for up to 6 foreign languages, and more.

#### Main Achievements of International Conferences

2016 G7 Science and Technology Ministers' Meeting in Tsukuba, Ibaraki 2018 The 17th World Lake Conference (Ibaraki Kasumigaura 2018) 2019 G20 Ministerial Meeting on Trade and Digital Economy in Tsukuba, Ibaraki

http://www.epochal.or.jp



Tsukuba International Congress Center



Views of International Conferences

#### Tsukuba Science Tour

Tsukuba Science City, a hub of many research and educational institutes, offers "Tsukuba Science Tour" in which you can see and experience cutting-edge research achievements. There are about 50 facilities that offer site-visits.

Tsukuba Science Tour Office (The Science and Technology Promotion General Incorporation Foundation of Ibaraki) carries out total support services such as introducing highlights of each research institutes, planning and proposing effective, educational site visits.

In addition, buses that loop around 6 research and educational facilities (The Science Museum of Map and Survey, Tsukuba Botanical Garden, Tsukuba Expo Center, Geological Museum, Science Square TSUKUBA, and Tsukuba Space Center) are available on Saturdays, Sundays and Holidays. It is possible to get on and get off at any of the spots and take a site-tour or a stroll.

#### Research Institutions offering tours (some examples)



Tsukuba Expo Center

Tsukuba Expo Center is an institution where you can look, experience, and enjoy scientific technology by visiting the science museums including the world's largest planetarium http://www.expocenter.or.jp/



AIST (National Institute of Advanced Industrial Science and Technology) Science Square TSUKUBA

The Production Technology Showroom introduces a wide range of AIST's research results that are valuable to future society https://www.aist.go.jp/sst/ja/



The Science Museum of Maps and Surveying, Geospatial Information Authority of Japan

A facility with comprehensive displays on the history, principles and systems of mapping and surveying https://www.gsi.go.jp/MUSEUM/

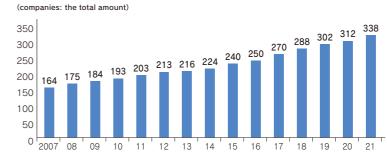
# Creation of New Technologies and New Industries

Tsukuba Science City has high-standard research institutions that have been generating a number of achievements. Furthermore, the city has recently been promoting efforts to create innovations by making the most out of scientific technology and skilled personnel of various fields.

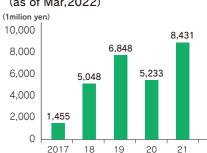
## Numbers of venture companies

Up until now, they have created 399 venture companies (152 from AIST and 186 from University of Tsukuba). The University of Tsukuba boasts the fourth largest number of university-launched ventures in the country (2021), and the amount of funding has increased rapidly in recent years. In 2018, this figure exceeded 5 billion yen and has since reached approximately 8.4 billion yen in 2021.

# Number of venture companies created in AIST and University of Tsukuba (As of Mar, 2022)



# Amount of raised funds by University of Tsukuba venture companies (as of Mar, 2022)



Reference: "AIST' s initiatives to develop startups' Startup Development initiative" https://unit.aist.go.jp/spattdi/tmb/aist\_startup.pdf
Reference: "Industry-University Collaboration at the University of Tsukuba https://www.sanrenhonbu.tsukuba.ac.jp/wp/wp-content/uploads/2022/07/sanren\_pamphlet\_rev202206.pdf

# New Technology Developed in Tsukuba



#### Wearable cyborg HAL®

The world's first wearable cyborg.By attaching it to your body, you can improve, support, enhance, and restore your body's physical functions CYBERDYNE INC. http://www.cyberdyne.jp/



# Prism Camera (high-end machine)

This camera can take color pictures even in pure darkness. It visualizes things that could not be seen before through infrared multispectral solution.

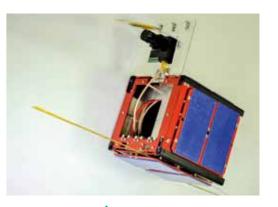
Nanolux.Co.,Ltd. http://www.tsukuba-network.jp/



#### **Drive Unit 300**

An industrial use underwater drone that supports construction work, professionals' work and other jobs under water

FullDepth Co., Ltd. https://fulldepth.co.jp/



#### One of the world's smallest micro satellite

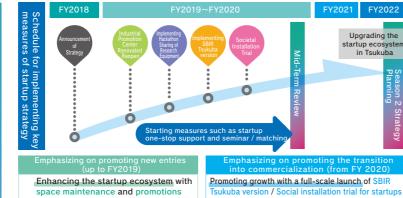
Development of micro satellite by a University of Tsukuba venture company "Warpspace" Warpspace Inc. https://warpspace.jp/

# Creating a startup ecosystem bound to become the new economic development engine

Start-up companies that aim to develop new business models and achieve rapid growth have great potential to contribute to solving social problems, developing innovative technologies, creating new industries and new economic development. Tsukuba City formulated the "Tsukuba City Startup Strategy" in December 2018. And is making every effort to create and support growth, with the aim of becoming a "startups-friendly city of implemented science and technology."

On November 18, 2019, Tsukuba City signed a MOU with CIC (Cambridge Innovation Center), one of the world's largest innovation centers, and on December 11, Ibaraki Prefecture signed another MOU with the global accelerator, ERA (Entrepreneurs Roundtable Accelerator), on the basis of mutual support, and strengthening support for overseas expansion. Furthermore, support measures will strengthen once the city is recognized as the base city for the startup ecosystem by the national government (application pending as of March 2020).





#### **Incubation Facilities**









#### Tsukuba Center, Inc. (TCI)

TCI was established in 1988 with the investment of Ibaraki Prefecture, Development Bank of Japan, and private companies. The goal is to promote exchange and collaboration between industry, academia and government researchers, foster R&D venture companies, match with investors, and provide rental laboratories. https://www.tsukuba-tci.co.jp/

#### Tsukuba Start-up Plaza / Branch Office

The facility was established by Ibaraki Prefecture in 2003 as an incubation facility where incubation managers and coordinators are stationed to support entrepreneurs aiming to create new businesses. In 2019, a branch office (startup office) opened in front of Tsukuba Station, aiming to promote establishment and improve convenience.

Tsukuba Start-up Plaza https://www.tsukuba-tci.co.jp/office/plaza Tsukuba Start-up Office by Ibaraki Pref. (Tsukuba Start-up Plaza Annex) https://www.tsukuba-tci.co.jp/office/ plaza-startupoffice



Tsukuba Start-up

#### **Tsukuba Startup Park**

Tsukuba Startup Park was renovated by Tsukuba City in 2019 from the Industrial Promotion Center, and is a startup promotion base equipped with co-working spaces, meeting rooms, exchange spaces, seminar rooms, etc. They provide support for a variety of entrepreneurial stages, with a focus on Tsukuba's strength in technological startups. https://tsukuba-stapa.jp/

# Wide Range of Projects

Tsukuba Science City is blessed with rich potentials as a large number of the world's most advanced science and technology seeds are based here, making the city a birthplace for a wide range of projects.

### Ibaraki Space Business Creation Center Project

As space business is becoming a fast-growing industry, Ibaraki prefecture is working in collaboration with JAXA, the national government, and other organizations to actively promote the creation and attraction of space ventures, as well as new entry by companies in the prefecture.

channel development

Accelerating commercialization of challenger companies

Creating an

environment

the space

business

that supports

•Financial support for space-related companies, etc.

Commissioning of advanced efforts to establish business models · Many advantages such as support by commissioning, advice by experts, and speaking at prefectural pitch meetings

Operation of the Ibaraki Space Business Creation Platform ·Year-round accompaniment support by experts to companies, etc · Conducting small-scale, highly specialized brainstorming meetings and matching support

· Subsidies for new product development and overseas sales

● Joint research with the Ibaraki Prefecture's Industrial Technology Innovation Center, etc. · Conducting joint research and testing with companies in the



Governor OIGAWA (2nd from the left) YAMAKAWA Chairman of JAXA (right)

## Smart City Initiatives in Tsukuba

Our aim is to actualize safe, secure, and comfortable travel in a suburban city that is highly dependent on automobiles, by enhancing public transportation services using mobility data, improving the convenience of public transportation through facial recognition, and implementing personal mobility that senses the environment and biometric information.



TSUKUBA SCIENCE CITY TSUKUBA SCIENCE CITY

### Tsukuba International Strategic Zone

Our aim is to promote industrialization and social implementation through the promotion of life innovation and green innovation by utilizing the accumulation of science and technology in Tsukuba.

#### Social implementation of service robots

#### Implementation of socially assistive robots



◆We will establish the world's first safety evaluation standards for socially assistive robots, and reflect them on to international standards.



Our aim is to establish an international ecosystem from robot development to safety testing and ertification, and to pread robots that have been certified in Tsukuba around the world.

#### **Development of innovative** pharmaceuticals, medical devices, medical technologies, functional foods, etc. -

Development and commercialization of a system for producing useful substances that contribute to the improvement of human health by utilizing plant functions



◆Our aim is to develop and commercialize a syster for producing useful substances (such as GABA and miraculin) that contribute to the prevention of human diseases and the promotion of human health using easily cultivable plants such as tomatoes.

#### Development and application of next-generation cancer treatment BNCT (Boron Neutron Capture Therapy)



 Our aim is to develop and apply a revolutionary next-generation cancer treatment (BNCT) that is expected to be effective in treating refractory and recurrent cancers for which no treatment method has yet been established, and that also provides a high quality of life for patients.

#### Domestic production of nuclear medicine diagnostic reagents



◆We will establish a production technology for molybdenum-99, a raw material for nuclear medicine diagnostic reagents (technetium preparations), that does not use uranium as a raw material, and realize the domestic production of nuclear medicine diagnostic reagents.

#### Solving problems and creating industries in the environment and energy fields

#### Practical application of algae biomass energy



◆We use a practical application of algae biomass, which is expected to become an alternative fuel to petroleum.

◆We will establish an outdoor mass cultivation technology that will aid in solving global energy problems and contributing to the SDGs (Sustainable

#### Development and application of a strategic urban mine recycling system

Development Goals), while creating an algae industry.



- ◆We will develop recycling technology to efficiently and economically recover useful metals such as rare metals.
- ♦Our aim is to secure a stable supply of useful metal resources, develop

recycling-related industries, and realize a society based on the concept of recycling by increasing awareness among citizens.

#### Promotion of open innovation platform

#### Formation of global innovation platform of TIA (Tsukuba Innovation Arena)



◆Six institutions (AIST, NIMS, University of Tsukuba, KEK, University of Tokyo, and Tohoku University) will collaborate to combine their comprehensive research capabilities for the acceleration of creation of innovation in Japan.

Development of innovative medicines and medical technologies based on Tsukuba biomedical resources



◆In collaboration with the Tsukuba Life Science Suishin Kyogikai (Promotion Council), we will utilize one of the world's largest biomedical resources to develop innovative seeds for drug discovery.

pplication of innovative robotic medical devices and ies and formation of a global center of excellence



◆We will proceed with clinical trials of Cybernics Treatment" using HAL (Hybrid Assistive Limb) to expand the therapeutic area (to be approved under the Pharmaceuticals and Medical Devices). In addition, we will establish an international standard as the world's first

robotic medical device, and aim to develop and apply combined therapies with pharmaceuticals and regenerative medicine.

#### Tsukuba International Strategic Zone http://www.tsukuba-sogotokku.jp/

# 2 Excellent Lifestyle Environment

# An urban atmosphere rich in greenery

Due to planned urban maintenance, Tsukuba Science City is made up of a unique urban atmosphere.

There are 202 urban parks included in the city's rich nature, all connected by 48 km of pedestrian decks (roads exclusive to

Furthermore, the undergrounding of electrical lines in certain areas and main roads allow for beautiful cityscapes. Additionally, in the north lies "Mount Tsukuba", a mountain selected among Japan's top 100 famous mountains. Here you can enjoy sceneries during all four seasons such as the blooming plums of spring, or landscapes surrounded by rice heads in



Pedestrian Deck





Central Park in front of the TX Tsukuba station



Beautiful autumn foliage in Doho Park



Mount Tsukuba in Autumn



Plum Trees of Mount Tsukuba

TSUKUBA SCIENCE CITY 11 10 TSUKUBA SCIENCE CITY

# **Cultural and Commercial Facilities**

One can experience rich culture at any time through cultural facilities such as the "Tsukuba Arus Culture Hall" which has a library, an art gallery and a multi-purpose hall, the "Tsukuba Capio" which is used as an exchange facility for city residents, and the "Nova Hall" where concerts by international musicians and other events are held. There are also commercial facilities such as "tonarie TSUKUBA SQUARE" in front of TX Tsukuba Station, "Iias Tsukuba" in front of the Kenkyū-gakuen Station of the TX, and "Aeon Mall Tsukuba" in close proximity to the Tsukuba Ushiku IC.



Nova Hall

# **Diverse Educational Environment**

With the educational objective of "Training an active workforce for society", Tsukuba Science City is putting efforts towards employing a unique curriculum in schools that includes Tsukuba style courses, education on the environment, international understanding, ICT and scientific technology. Many foreign students are receiving an education based on the international standard at the prefecture's first International Baccalaureate World School, the "Tsukuba International School". Furthermore, an excellent workforce is being trained at three universities, University of Tsukuba, National University Corporation Tsukuba University of Technology, and Tsukuba Gakuin University.



Number of Academic Facilities in Tsukuba City

	Number		Number
Kindergarten	26	Compulsory Education Schools (Elementary and	4
ECEC	6 Junior High schools)		
<u></u>	00	Senior High Schools	6
Elementary Schools	29	Secondary Education	
Junior High Schools	Schools (Junior High an Senior High)		1

\*Including Public and Private Schools



Number of foreign children enrolled in Tsukuba's elementary or junior high schools

	Tsukuba City	Prefectural Total
Elementary school (percentage of prefectural total) (rank among the prefecture's 44 municipalities)	315 (15.5%) (1)	2,027
Junior high school (percentage of prefectural total) (rank among the prefecture's 44 municipalities)	98 (10.6%) (2)	924

Source: FY2021-FY2022 School Data Survey

# Complete Medical Treatment

There are many medical treatment facilities opened in Tsukuba City where advanced medical treatments are conducted such as, the University of Tsukuba Hospital and the Tsukuba Medical Center. Also, the number of medical doctors in the city exceeds the national average and the enrichment of the medical treatment structure is being planned.

Number of Medical Doctors in Tsukuba City
(As of October 2022)

	Tsukuba	National Average
Number of doctors (per 100,000 people)	537.95	250.83

Source: Regional Health Information System of the Japan Medical Association (http://jmap.jp/)



University of Tsukuba Hospital

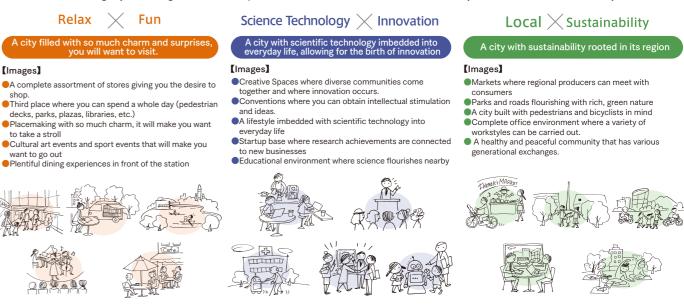
# Future Course of City Center Urban Development —Tsukuba City Center Area Development Vision— —Tsukuba City Center Area Development Strategy—

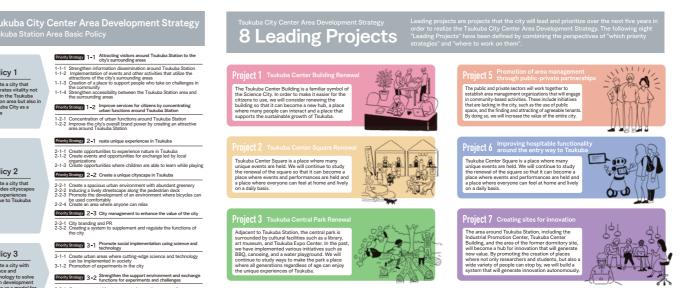
In July 2018, Tsukuba City formulated the "Tsukuba City Center Area Development Vision," which outlines the ideal future vision and center area development concept for the area around Tsukuba Station, the central district of Tsukuba Science City. In May 2020, we formulated the "Tsukuba City Center Area Development Strategy (Tsukuba Station Area Basic Policy)," which sets forth the center area development policy and concrete measures to realize a sustainable city based on the vision. At present, based on the strategy, we are strategically promoting swift and effective initiatives.

Tsukuba City Center Area Development Vision

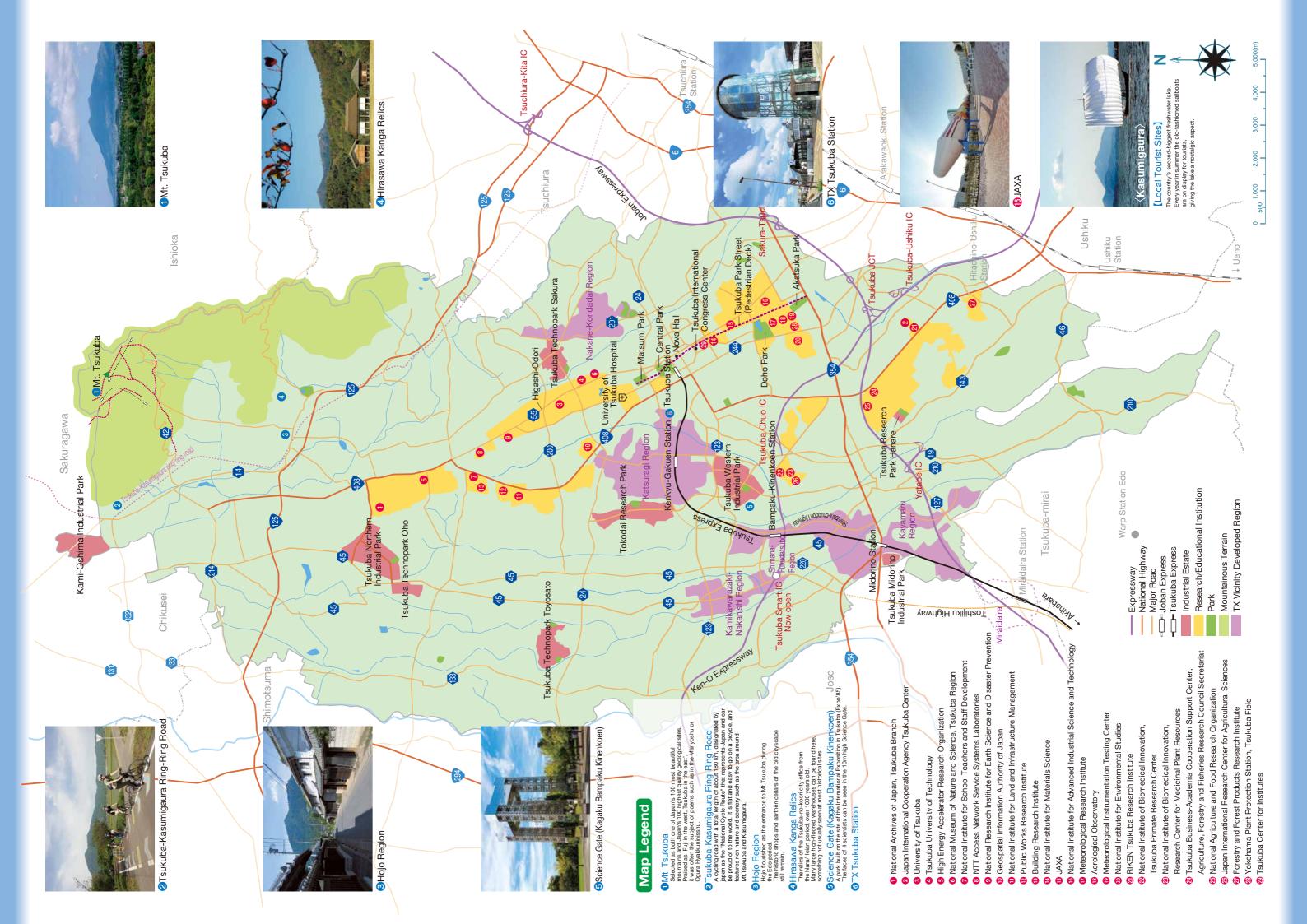
# A City with the Vision of the World's Future

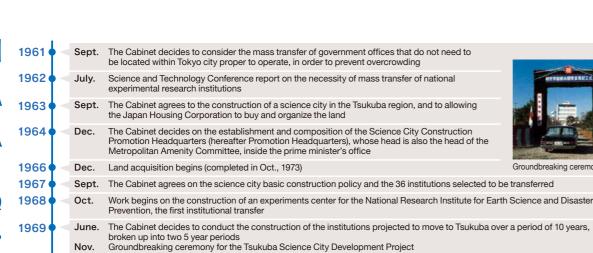
As the socioeconomic situation changes drastically, the revitalization of the city center is a major challenge that many mature cities face. Let's boldly take on this difficult challenge by combining the wisdom and power of diverse entities, and aim to become a city that can show the world the way to a solution.





12 TSUKUBA SCIENCE CITY 13





ukuba

cience

hronology

Jan.

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Apr.

1972

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1978

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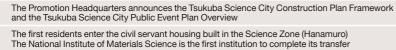
1982

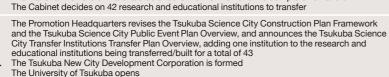
Sept.



Groundbreaking ceremony, Nov. 1969

1909		Nov.	broken up into two 5 year periods Groundbreaking ceremony for the Tsukuba Science City Development Project	и рогк
1970	<	May. June.	Establishment and announcement of the Tsukuba Science City Construction Law Determination of expansion of Joban Expressway (55km from Misato, Saitama, to Chiyoda, Ibaraki))	
1971		Feb.	The Promotion Headquarters announces the Tsukuba Science City Construction Plan Framework	-







Opening of the University of Tsukuba, Oct.1973

	The University of Tsukuba opens Dr. Leo Ezaki (current Chairman of the Science and Technology Promotion Foundation of Ibaraki) wins the Nobel Prize for Physics
Δ	The first annual half algorithm about and invitable has been assented in the Original Zone (Talanca all linesh)

Apr.	The first preschool, elementary school, and junior high school are opened in the Science Zone (Takezono-Higashi
	Preschool, Takezono-Higashi Elementary School, Takezono-Higashi Junior High)
June.	MLIT proposes that the MLIT Major City Area Amenity Office take charge of the overall organization of Science City, and creates
	the Tsukuba Science City Construction Promotion Office

y. The Promotion Headquarters establishes the Tsukuba Science City Municipality Financial Responsibility Special Provisions Over	ır.	The Cabinet decides the period for the near completion of all institutional transfer will now be from 1975 to 1979
	ıy.	The Promotion Headquarters establishes the Tsukuba Science City Municipality Financial Responsibility Special Provisions Overvie

	The field of the feet and feet	
May	Completion ceremony for Matsumi Park, the Tsukuba New City Memorial Hall (Doho Park), Oshimizu Park, and the green walkways is held	

Feb.	The Tsukuba Science City Research Exchange Promotion Association is formed from universities and industrial/academic/
	governmental experimental research institutions
Aug	The Tsukuba Science City Association is formed from Japan Housing Corporation, Ibaraki Prefecture, 6 local municipalities

and national experimental research and educational institutions

Feb. The Shipbuilding Research Center of Japan opens, becoming the first private research facility in the Science Zone Opening of the Tsukuba Center for Institutes

Oct. The University of Library and Information Science opens (current University of Tsukuba)

The transfer of all 43 institutions is completed (Science City is nearly complete)

The Prime Minister approves the Science City Construction Plan (publicized 9/25)
The Tsukuba Science City Research Exchange Promotion Association is dissolved and reformed into the Tsukuba Network

2 more research and educational institutions are selected to be transferred/built, for a total of 45

The International Exposition (Expo'85) is approved 1981 Apr.

Ibaraki Prefecture determines the Surrounding Region Development Plan Oct. The Japan Housing Corporation and Residential Land Development Corporation merge to form the Housing and City

**Development Corporation** 

Tokodai Research Park is completed

1 more research and educational institution is selected to be transferred/built, for a total of 46

Construction is completed on the Tsukuba Center Building 1983

Ibaraki Prefecture sets up the Tsukuba Information Center (closed in Dec., 2008) within the Tsukuba Center Building

The Joban Expressway directly connects to Tokyo 1985

The New Tsukuba Colloquium is formed as the MLIT Director's personal advisory committee The Tsukuba Expo Center is completed

The Creo Shopping Center opens

The Tsukuba Center transportation plaza is built

Expo '85 opens (held from 3/17 ~ 9/16, 20,330,000 attendees)

The Transportation Policy Commission releases its report on the construction of new Joban Line routes

1987 Highway bus route opens between Tokyo and Tsukuba Center

Tsuchiura and Tsukuba Science City are selected as a International Tourism Model Region Oct. 1 more research and educational institution is selected to be transferred/built, for a total of 47

Tsukuba City is formed from the merging of Oho, Toyosato, Sakura-mura, and Yatabe



Expo'85, Mar.-Sept.1985

1988 Tsukuba City and Tsukuba-machi merge .lan. The Tsukuba Center, Inc. is established

The Joban Expressway between Misato and Iwaki Chuo is fully opened

June. The Tsukuba Urban Transportation Center is established

The Tsukuba Western Parking Lot is opened

Celebration of the 25th anniversary of the construction of Tsukuba Science City

1989 The National Institutional Transfer Committee decides on the transfer of the Institute for Materials Science Apr. The Ibaraki Prefectural Tsukuba School of Nursing opens

Mav. MLIT decides on the New Tsukuba Plan

Ibaraki Prefecture opens the Tsukuba Office (closed Mar., 2009) inside the Tsukuba Information Center

The Tsukuba Mitsui Building opens 1990 Apr.

Ibaraki Prefecture decides on the Greater Tsukuba Plan The Tokyo Kasei-Gakuin Tsukuba Junior College opens (current Tsukuba Gakuin University))

Tsukuba Junior College of Technology opens (current Tsukuba University of Technology) The Tsukuba Cultural Center ARS opens

1991 The Metropolitan Inter-city Railway Company is formed The Tsukuba Cultural Foundation is formed) Mar.

The Tsukuba heliport opens

The national government approves the fundamental plan for new routes on the Joban Line



Opening of the Tsukuba Mitsui Building, Apr.1990

1992 🖣 ⋖	Jan.	The license for the new Joban Line routes is given to the Metropolitan Inter-city Railway Company by ML	.!!	
		The Tsukuba International Cargo Terminal is established Tsukuba's population reaches 150,000		
1993 🕈 🤜	Jan.	Due to institutional reforms, the number of national research and educational institutions reduces from 47 to 46		
		Ibaraki Prefecture decides on the Tsuchiura/Tsukuba/Ushiku Central Administration Cities Plan Memorial symposium held for the 30th anniversary of Tsukuba Science City's construction The new MOG commercial building is completed		
994	Apr.	The Total Health Evaluation Center Tsukuba is opened within the Tsukuba Medical Center		
		The Tsukuba South 1 Parking Lot opens The University of Tsukuba opens the Center for Tsukuba Advanced Research Alliance (TARA) A direct bus link between Tsukuba and Narita Airport begins The three parties (Ibaraki Prefecture, Tsukuba, and the landowners) agree on the development around the new Joban routes	1 4 4	
	Oct.	Groundbreaking ceremony for the new Joban routes (in front of Akihabara Station))		
995	Nov.	The Fundamental Legislation on Science and Technology is determined and announced		
996	Apr.	The Tokyo Kasei-Gakuin Tsukuba Women's University opens (current Tsukuba Gakuin University) Due to institutional reforms, the number of national research and educational institutions reduces from 46 to 45 The Tsukuba Capio Community Center opens	Opening of Tsukuba Capio, Jul.1996	
997		The Tsuchiura/Tsukuba Convention Bureau is established (current Tsukuba Tourism		
		and Convention Association)		
998 •	Apr.	The Joban Line Hitachino-Ushiku Station opens The Science City Construction Plan (MLIT) and Surrounding Region Development Plan (Ibaraki) are revised 1 more research and educational institution is selected to be transferred/built, for a total of 46)		
999	July.	The Tsukuba International Congress Center (Epochal Tsukuba) opens Tsuchiura and Tsukuba are selected as International Conference and Tourism cities Due to institutional reforms, the Housing and City Development Corporation becomes the City Foundation Development Corporation		
000	Dec.	Dr. Hideki Shirakawa (current Professor Emeritus of the University of Tsukuba) wins the Nobel Prize for Chemistry		
2001	Feb. Apr.	The new Joban route is named the Tsukuba Express Due to institutional reforms resulting from the creation of the Independent Administrative Institution, the number of national research and educational institutions reduces from 45 to 34	Opening of the Tsukuba International Congress Center, Jun.1999	
2002	Apr. Oct. Nov.	Tsukuba's Nori-nori social welfare loop bus is introduced The University of Library and Information Sciences merges with the University of Tsukuba (the number of national research and educational institutions reduces from 34 to 33) Kukizaki-machi merges with Tsukuba City		
2003		The Tsukuba Start-up Plaza business development facility is established The Tsukuba Community Tsuku-tsuku bus is introduced Tsukuba City and the University of Tsukuba conclude a collaboration agreement 5 institutes, including The National Space Development Association of Japan and RIKEN, become Indep	endent Administrative Institutions	
2004				
2005	Mar. Aug. Dec.	The Q't Shopping Center opens The Tsukuba Express begins operating Tsukuba's population reaches 200,000	TX begins operations, Aug.2005	
2006	Apr.	Tsukuba's new community bus, the Tsukubus, begins operating (Nori-nori and Tsuku-tsuku end operations) Due to institutional reforms, the National Agriculture and Food Research Organization is formed and the number of national research and educational institutions reduces from 33 to 31 The Science and Technology Promotion Organization establishes the JST Innovation Satellite Ibaraki		
2007	Feb. Apr.	First Tsukuba license plates Tsukuba becomes a Special City		
2008		The Tsukuba Passport Office opens Dr. Makoto Kobayashi (current Professor Emeritus at the High Energy Accelerator Research Organization) wins the Nobel Prize for Physics		
2009	June.	Joint industrial/academic/government announcement of the Promotion of Tsukuba as a Nanotechnology	Base	
2010		Creation of the Grand Design for a New Tsukuba Opening of the new Tsukuba City Hall Opening of the Lifestyle Support Robot Safety Verification Center		
2011	Mar.	With the addition of the Yokohama Plant Protection Station Tsukuba Field, the number of national research institutions increases to 32  Approval of the Tsukuba Mobility Robot Special Experimental Zone Designation of the Tsukuba Special International Strategic Zone	ch and educational	
2013		50th year since the Cabinet approval of the construction of Tsukuba Science City Celebration of the 50th anniversary of the construction of Tsukuba Science City	Tsukuba Science City	
2016	Apr.	National Center for Seeds and Seeding, National Institute of Agribiological Sciences, and National Institute for Agro-Environmental Services merges with the National Agriculture and Food Research Organization (the number of national research and educational institutions reduces from 32 to 29)  G7 Science & Technology Ministers' Meeting in Tsukuba, Ibaraki was held in the International Congress of the Congress o	tte 2013 Tsukuba Science Ci 50th Anniversary Logo	
2018	Oct.	In regards to the Tsukuba International Congress Center, the 17th World Lake Conference (Lake Kasumigaur.		
			, , , ,	

2019 Mar. Mr. ISOZAKI Arata (designer of the Tsukuba Center Building) received the Pritzker Architecture Prize.

June. The G20 Ministerial Meeting on Trade and Digital Economy in Tsukuba, Ibaraki was held at the Tsukuba International Congress Center Oct. Opening of the renovated Tsukuba Startup Park (Tsukuba industries revitalization center)

The "Tsukuba Start-up Office by Ibaraki Pref. (Tsukuba Start-up Plaza Annex)" opened.

2020 Feb. The Tsukuba Startup Ecosystem Consortium is established

The Startup Ecosystem Tokyo Consortium in which Tsukuba City and Ibaraki Prefecture take pallifin, was selected as a base city for a global startup ecosystem

2021 Reopening of "Tonarie Tsukuba Square" shopping center

2022 Apr. Designation as a 'Super City National Strategic Special Zone'

Renewal of the Tsukuba Centre Building. As part of this, a base 'co-en' was opened to support diverse working styles and activities.