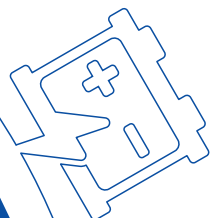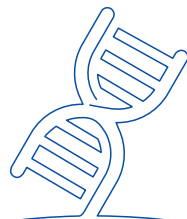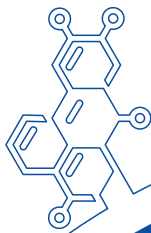# nite

National Institute of Technology and Evaluation

Institute Profile

Safety and your Future with NITE

Purpose of the Institute

The National Institute of Technology and Evaluation (NITE) was established in accordance with the Act on General Rules for Incorporated Administrative Agencies (Act No. 103 of 1999) and the Act on the National Institute of Technology and Evaluation, Independent Administrative Agency (Act No. 204 of 1999). NITE is an "Agency Engaged in Administrative Execution" and the competent ministry is the Ministry of Economy, Trade and Industry.

Act on the National Institute of Technology and Evaluation, Independent Administrative Agency

Article 3　By conducting technical evaluations of industrial products, etc., and collecting, evaluating, organizing and providing information on the quality of said industrial products, etc., the institute seeks to establish a technical foundation for improving the quality of industrial products, etc. and ensuring the safety and smooth transactions thereof, thereby contributing to the development of the economy and industry and ensuring the stable and efficient supply of mineral resources and energy.

Minister in Charge

Minister of Economy, Trade and Industry

Basic Philosophy

NITE continually contributes to the safety of society and supports challenges of the future by proven technologies and reliable information.

Slogan

Safety and your Future with NITE

Code of Conduct

1 Act responsibly and with integrity

We will always keep in mind that we are public servants, and are operated by public funds, so we will carry out our duties in a fair, just and efficient manner from a neutral standpoint. We will comply with laws and regulations, behave ethically, and make appropriate judgments to act responsibly and with integrity.

2 Pursue higher-value results with enthusiasm and pride

We will always keep in mind that our duties are based on the trust and confidence of society, and do our work with enthusiasm and pride. We will pursue valuable results by enhancing our expertise with a broad perspective and high adaptability through self-improvement.

3 Utilize the latest science and technology and produce results that benefit society

Under our fundamental value of an organization that supports the government with technology, we will constantly improve our knowledge of science and technology. We will give back to society by producing results based on our knowledge, and then explaining gained results in a simple manner while considering the perspective of the other party.

CONTENTS

President's Message

The National Institute of Technology and Evaluation (NITE) was established as the Export Silk Fabrics Inspection Institute by the Ministry of Commerce and Industry (now the Ministry of Economy, Trade and Industry, or METI) in 1928. Over the course of our almost 100-year history, NITE has supported industry as an administrative agency under METI's jurisdiction by expanding our areas of operation in response to changes in society, enhancing our technological capabilities, boosting the quality of industrial products and related materials, ensuring safety, and facilitating transactions.

I believe that the greatest feature of NITE is that we can communicate with the on-site perspectives, based on our technology and expertise. This strength has been cultivated and passed down since our establishment. I believe that because we understand that on-site perspective, we can respond to changes of the time and take on the role of conducting technical surveys and research needed for industrial development, disseminating information, and building the systems.

Our Product Safety Technology Center regularly issues warnings including videos about the safe use of products, based on data from its incident investigations. These efforts are widely covered in the media, including on television and in newspapers.

In addition, NITE Biological Resource Center (NBRC) has participated in the Green Innovation Fund Project of the New Energy and Industrial Technology Development Organization (NEDO) since FY2023, and has started the project "Establishing a New Technology Platform for the Utilization of CO_2-Fixing Microorganisms". Through this project, we aim to utilize NITE's strengths in the field of microorganisms and contribute to the realization of a society where useful substances can be produced from CO_2.

Furthermore, the Global Center for Evaluation Technology (GCET) has been operating the Multiple Innovation-Directive Development and Leading-edge Evaluation Chamber (MIDDLE Chamber), a testing and evaluation facility for next-generation storage batteries including all-solid-state batteries since October 2024. This facility is also essential for promoting the use of renewable energy sources, such as solar and wind power.

In this age of rapid change, we are required to be more flexible and responsive than ever before. NITE will continue to have a keen eye for the situation not only in Japan but around the world, refine our technology and develop human resources with an eye to the future, and take on the challenges of the next 100 years.
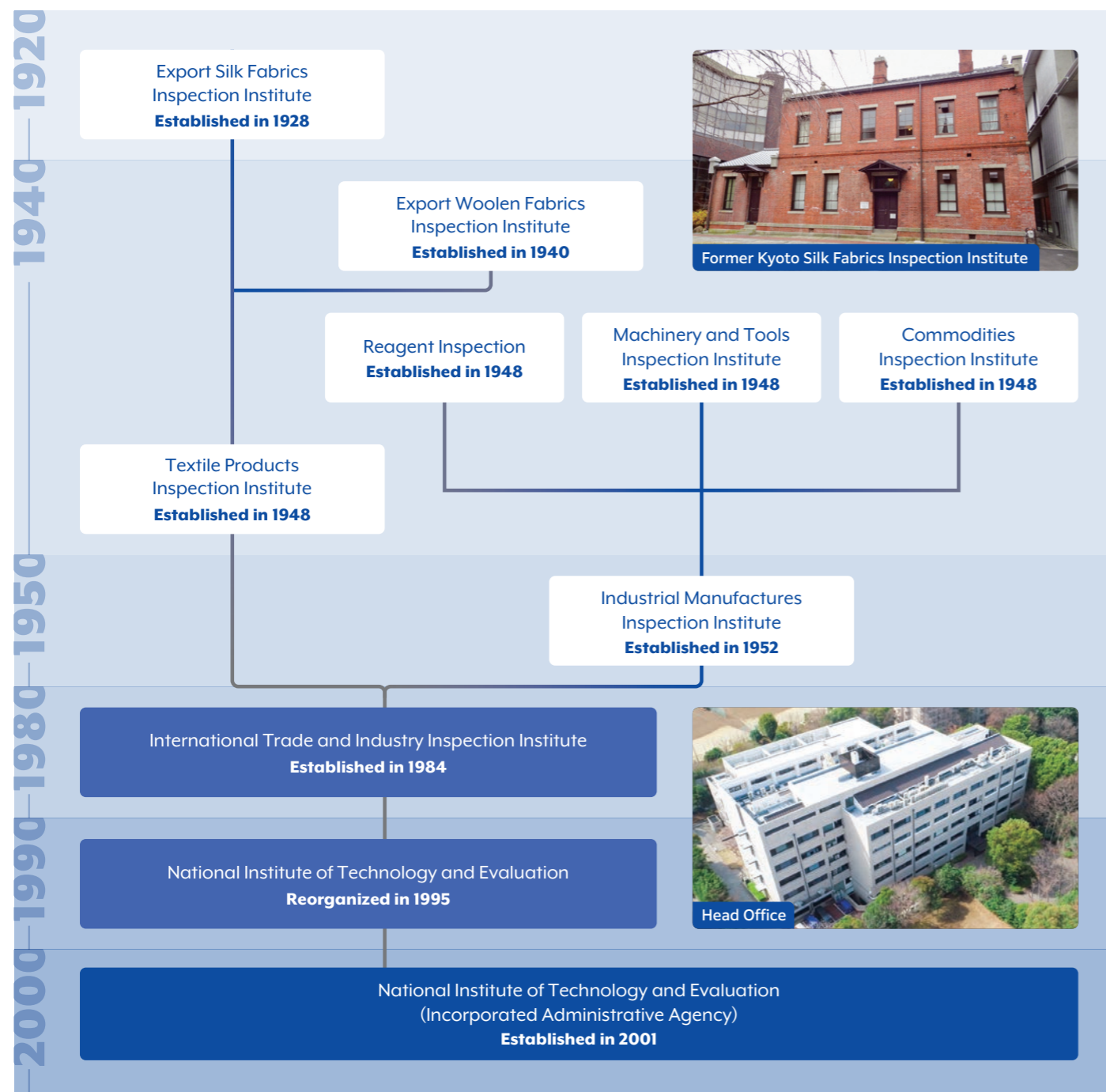
President

HASEGAWA Fumihiko

Prof. HASEGAWA Fumihiko, Ph.D.

History

Established in 1928, NITE originally served as the "Export Silk Fabrics Inspection Institute", and conducted quality inspections of silk textiles. Inspection facilities for various industrial products were also established later. In the 1970s, we began work related to product safety and work based on the Industrial Standardization Act. In the 1980s, we began handling safety assessments of chemical substances.

In the 1990s, we entered the field of biotechnology and also began work as accreditation body, accrediting conformity assesment bodies. In October 1995, we were reorganized as the "National Institute of Technology and Evaluation".

In April 2001, we became the Incorporated Administrative Agency "National Institute of Technology and Evaluation"—NITE—under the Ministry of Economy, Trade and Industry (METI) jurisdiction. We continue to leverage the technology and know-how we have accumulated since our establishment—such as for inspections and evaluations of industrial products—and smoothly respond to changes in policy needs and social needs and contribute to spur the development of Japanese industries and a safer society.

1920—1940

Export Silk Fabrics Inspection Institute
Established in 1928

Export Woolen Fabrics Inspection Institute
Established in 1940

Former Kyoto Silk Fabrics Inspection Institute

1940—1950

Reagent Inspection
Established in 1948

Machinery and Tools Inspection Institute
Established in 1948

Commodities Inspection Institute
Established in 1948

Textile Products Inspection Institute
Established in 1948

1950

Industrial Manufactures Inspection Institute
Established in 1952

1980

International Trade and Industry Inspection Institute
Established in 1984

Head Office

1990

National Institute of Technology and Evaluation
Reorganized in 1995

2000

National Institute of Technology and Evaluation
(Incorporated Administrative Agency)
Established in 2001

NITE Business Outline:
The Five Pillars That Support Safety and the Future

NITE supports Japanese industry through our five work fields in technical evaluation and assessment based on various laws and policies, in close collaboration with METI and other relevant government agencies. NITE also contributes to promoting innovation and a safer society on a global level by providing knowledge and data we have accumulated through our work to industry and the general public, strengthening collaborations with other countries, and participating to create international rules.

Consumer Product Safety Field

We investigate and analyze information about product incidents and disseminate our findings to prevent recurrences and develop lower risk products.

Chemicals Management Field

To improve the efficiency of chemical safety assessments, we are promoting the use of methods that predict toxicity without actually conducting tests.

Biotechnology Field

To promote the biotech industry, we provide companies and universities with over 50,000 strains of microbial resources and the genetic information related to those microorganisms.

Accreditation Field

We assess and accredit the capabilities and systems of testing laboratories and other conformity assessment bodies that evaluate product performance and safety.
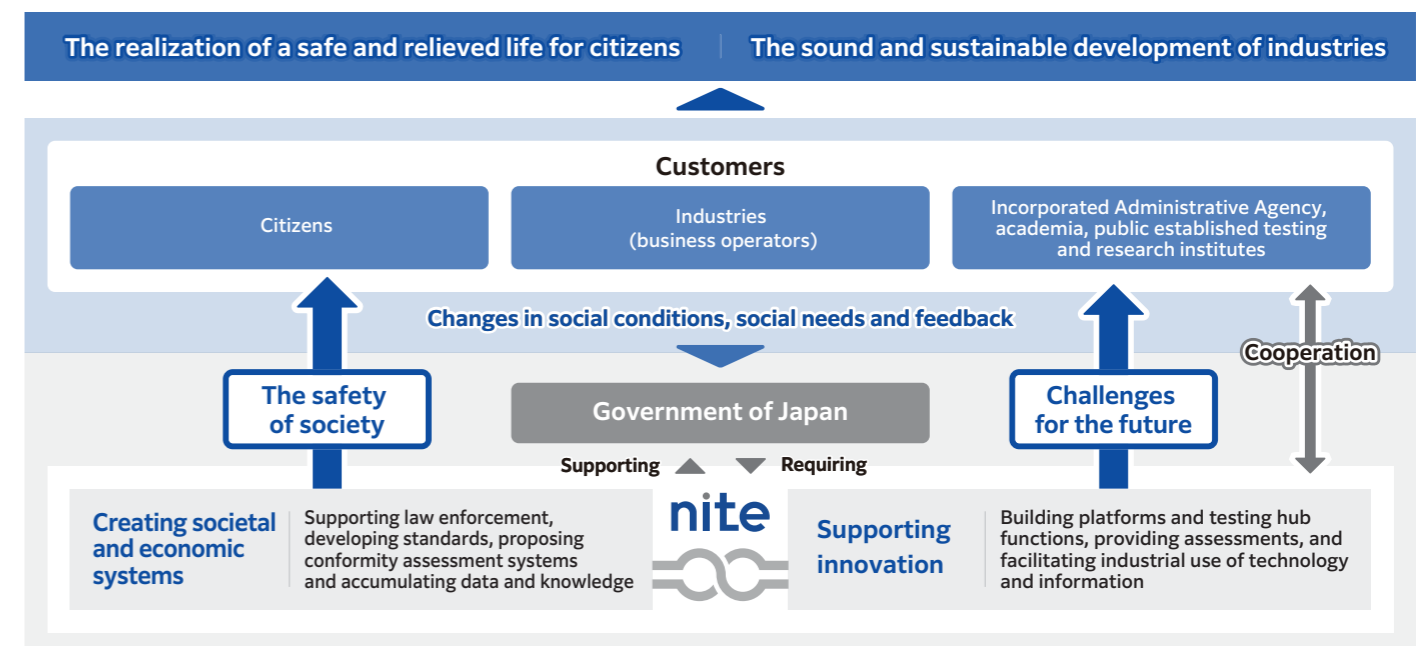

Emerging Technology Evaluation Field

We conduct activities to ensure the safe supply of electricity, such as tests and verification of the safety of large-scale battery energy storage systems using one of the world's largest testing facilities, as well as on-site inspections based on the Electricity Business Act.

NITE Business Model

The realization of a safe and relieved life for citizens | The sound and sustainable development of industries

Customers

| Citizens | Industries (business operators) | Incorporated Administrative Agency, academia, public established testing and research institutes |

Changes in social conditions, social needs and feedback

The safety of society

Government of Japan

Challenges for the future

Cooperation

Supporting ▲ ▼ Requiring

Creating societal and economic systems
Supporting law enforcement, developing standards, proposing conformity assessment systems and accumulating data and knowledge

nite

Supporting innovation
Building platforms and testing hub functions, providing assessments, and facilitating industrial use of technology and information

Consumer Product Safety Field

Contribute to Safe and Prosperous Lifestyles Through the Promotion of Low-Risk Consumer Products

There are many products around us that are essential for a convenient and comfortable life. However, using these products can lead to incidents such as fires, consumer injuries, and even death.

NITE Product Safety Technology Center collects information on incidents involving consumer products, investigates and analyzes the causes, and evaluates risks. NITE then provides this information to consumers and businesses. We also support to create standards to help businesses provide low-risk products.

Through these activities, we help prevent incidents and their recurrences.

Contribute to the prevention of product incidents and their recurrences through high-level root cause analysis techniques

NITE collects information on incidents involving consumer products, such as electrical, gas and kerosene appliances, based on the Consumer Products Safety Act. In addition to reports from manufacturers and importers, we receive information on product incidents from fire departments, the police, consumer affairs centers and other sources. We receive reports on around 2,000 incidents each year, and collaborate with relevant organizations to investigate the root cause of those cases.

Additionally, we work to prevent consumer product incidents by collecting information on repairs, complaints, incidents etc. in cooperation with distributors.

Analysis using an X-ray fluoroscope

Support the enforcement of laws through on-site inspections and technical evaluations

In accordance with the law, NITE conducts on-site inspections of manufacturing and import businesses under the direction of the minister of Economy, Trade and Industry, and contributes to the enforcement of laws and regulations.

In addition, we play a role in METI's policy, such as evaluating the compliance of private voluntary standards with regulatory technical standards at METI's request.

## Collect, maintain and organize information on product-related incidents and provide it to the public

The product incidents information we collect is available to the public on the NITE website.

Through seminars and lectures, we provide manufacturers with technical information and other data useful for making low-risk products. For consumers, we disseminate information to call attention to incidents and raise safety awareness through press conferences, leaflets, seminars at schools, and other methods, with the goal of preventing incidents caused by carelessness or the misuse of products.

A press conference on preventing incidents involving consumer products
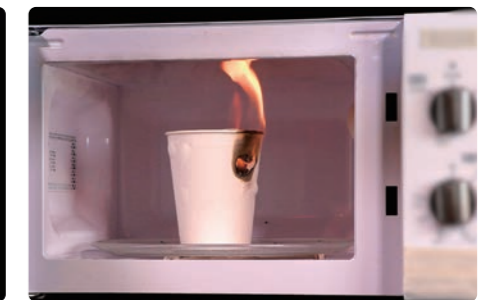
Warning videos about product-related incidents

Support the creation of product safety standards through our technical knowledge

Using the technical knowledge we have accumulated, NITE supports to develop technical standards, as well as product testing methods that will help prevent incidents, and actively makes proposals to related industries.

Our expertise is reflected in many standards, including the Japanese Industrial Standards (JIS). We are also involved in international standardization activities, such as proposing the testing methods we developed as drafts for international standards to the Technical Committee (TC) of the International Electrotechnical Commission (IEC).

Testing for infants getting caught in gaps and openings in a product

Chemicals Management Field
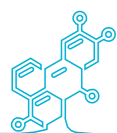
Promote Risk Assessment and Safety Management of Chemical Substances

All the products around us are made of chemicals. While chemical substances are an essential part of our lives and industry, they are also released into the environment during various processes such as manufacturing, distribution, use and disposal, and sometimes negatively affect our bodies.

NITE Chemicals Management Center assists in the appropriate management of chemical substances by providing technical support for safety assessments of chemical substances in accordance with the law, assessing the risks of chemical substances, and providing information on their safety.

Support safety assessments and risk assessments of chemical substances

The Chemical Substances Control Law (CSCL) aims to prevent environmental pollution caused by chemical substances that may affect humans and ecosystems.

NITE provides technical support to ensure the safe management of chemical substances and reduce the burden on businesses, such as by examining the data from the toxicity tests of chemical substances that businesses have submitted to government organization in accordance with CSCL, and accepting consultations regarding these submissions.

NITE conducts risk assessments to predict and evaluate the effects of chemical substances on human health and the ecosystem. Our risk assessment results are used, for example, to select chemical substances subject to regulation by CSCL and to determine the level of regulation.

We also assign legal names to new chemical substances that have been submitted in accordance with CSCL and the Industrial Safety and Health Act.

▶ Joint Council of the Ministry of Economy, Trade and Industry, the Ministry of Health, Labour and Welfare, and the Ministry of the Environment

▶ Scene from a discussion to decide the legal name for a new chemical substance

Promote voluntary management of chemical substances and international harmonization

The Pollutant Release and Transfer Register (PRTR) Law aims to prevent environmental pollution by promoting the voluntary management of chemical substances by business operators.

NITE is responsible for checking and compiling data under the PRTR System, in which businesses must report the volume of chemical substances they release into the environment based on the PRTR Law. We also provide technical support to businesses submitting reports, and have developed and operate an electronic reporting system to improve their business operations.

We also work for international harmonization by carrying out duties such as attending international inspections under the direction of the minister of METI to ensure that the Chemical Weapons Convention (CWC) is being implemented properly in Japan.

▶ NITE also contributes to international networks for chemical substance management

Develop chemical substance management information infrastructures

Chemical substances are the foundation of industry and technological innovation. Corporations that aim for sustainable development must understand information on national and international laws and regulations related to chemical substance management and respond appropriately in their activities.

To this end, NITE has established the Chemical Risk Information Platform (NITE-CHRIP) and the Japan Chemicals Collaborative Knowledge Database (J-CHECK). These databases provide information on domestic and international laws and regulations, as well as information on the toxicity of chemical substances, based on the CSCL. In addition, we provide the latest information via email newsletters to provide businesses with information on relevant laws and regulations and the safety of chemical substances. (See p.18.)

We also provide centralized information that is useful in the proper handling of chemical substances, such as by publishing the results of classifications the Japanese government carried out based on the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), and operate the web tool, GHS Mixture Classification and Label/SDS Creation System (NITE-Gmiccs).

Biotechnology Field

Utilize Microorganisms in Industry

Microorganisms (bacteria, yeasts, fungi, etc.), animals, plants and other biological resources are widely used in a variety of applications, including the production of antibiotics, antibody drugs, fermented foods such as sake, miso, and soy sauce, as well as chemical substances, making them indispensable resources for industrial activities.

NITE Biological Resource Center (NBRC) contributes to the development of a healthy and sustainable biotechnology industry and the realization of a safe and secure life for all by promoting the use of microorganisms and related data, and providing safety information about them.

In recent years, we have been focusing our efforts on contributing to achieve a carbon neutral society by using the microorganisms and technologies NBRC holds to promote the biomanufacturing industry.

Specifically, NBRC collects and provides microbial strains and related information, such as CO_2-fixing microorganisms, that contribute to circular biomanufacturing.

Collection, preservation and provision of industrially useful microorganisms

NBRC has collected, classified, and preserved approximately 95,000 strains of microorganisms from diverse environments around the world. We provide these microorganisms to companies and research institutions, contributing to the development of a wide range of products that we use in our daily lives. Some of the microorganisms we have in our collection are certified by the Japanese Industrial Standards (JIS) and the Japanese Pharmacopoeia, and are used as test strains essential for quality control of pharmaceuticals and hygiene products.

▶ Searching for microorganisms on Iriomote Island
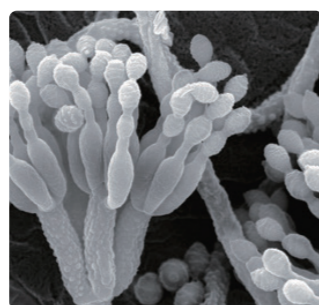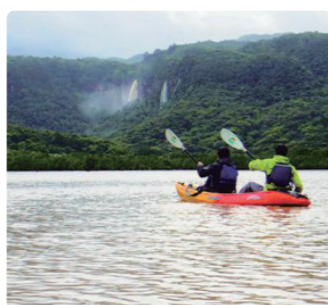
▶ Observations using an electron microscope

▶ Biological resource samples for provision

Develop and provide a microbial data infrastructure for industrial use

NBRC has developed and provided the Data and Biological Resource Platform (DBRP), enabling users to search for microorganisms and related information in a centralized manner. The DBRP includes microorganisms and related information possessed by NBRC, as well as those held by companies and research institutions in Japan.

Additionally, we have developed the Microbial Risk Information Database (M-RINDA) to provide information on biosafety levels, legal regulations, and hazard potentials of microorganisms (such as toxin production and drug resistance).

Through these initiatives, we promote the safe and responsible industrial use of microorganisms.
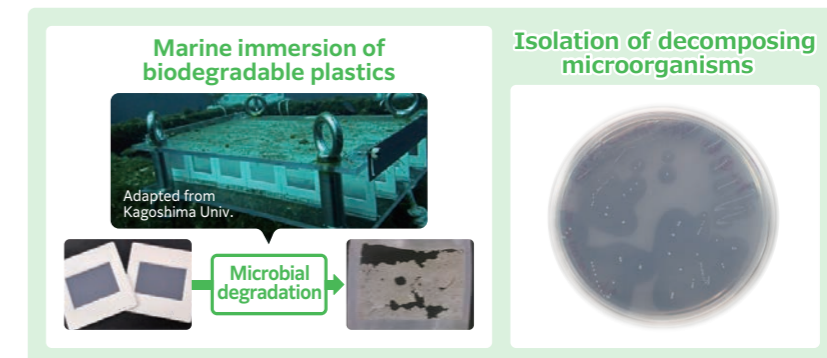
▶ DBRP: A one-stop database for microorganisms

▶ M-RINDA: Easily find out information on the hazard potentials of microorganisms

### Support for the use of microorganisms in R&D and industrialization

NBRC utilizes microorganisms and technology to provide rapid identification information on microorganisms that are useful for quality control in the medical, hygiene, and food industries. Additionally, we also contribute to improve the reliability of microbiome analysis by providing measurement references that contain multiple types of microorganisms. We are also working to establish evaluation methods for biodegradable plastics and develop new materials to help solve the problem of marine plastic pollution.

Marine immersion of biodegradable plastics

Adapted from Kagoshima Univ.

Microbial degradation

Isolation of decomposing microorganisms

▶ Collection and maintenance of bacteria used to decompose biodegradable plastic

Use of biomolecular analysis technology to make our daily lives safer

NBRC has supported the international standardization of the method for identifying cashmere fibers by utilizing the analysis technologies developed over the years for proteins and metabolites. More recently, we have been working with other organizations to develop the techniques for distinguishing new fibers produced by microbial culture methods.
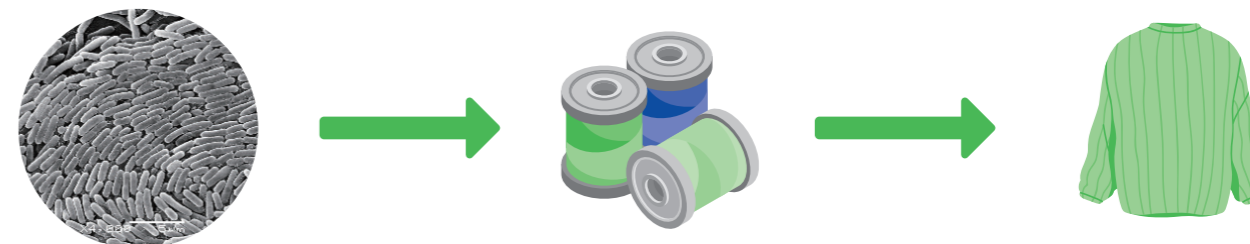
▶ New fiber produced using microbial culture methods

Support the industrial use of genetically modified organisms and create an overseas network

NBRC supports companies in the appropriate use of genetic resources, such as microorganisms, in compliance with the Convention on Biological Diversity (CBD) and domestic measures. Specifically, we promote the conservation and sustainable use of genetic resources by issuing the Notification of Acquisition of the Genetic Resources in Japan in accordance with the ABS Guidelines and by establishing networks with various microbial resource centers in Asia. We also handle applications from companies and conduct consultations and on-site inspections based on the Act to implement the Cartagena Protocol on Biosafety in Japan, to ensure the safe use of genetically modified organisms (GMOs).

▶ Group photo of the 21st Asian Consortium Meeting
Source:Biodiversity-Based Economy Development Office (BEDO)

Depositary of patent microorganisms necessary for industrialization that uses microorganisms

NBRC operates the NITE Patent Microorganisms Depositary (NPMD) and the NITE International Patent Organism Depositary (IPOD) as depositary centers for patent microorganisms designated by the Patent Act. These centers accept deposits of patent microorganisms as an important step in patent applications that deal with microorganisms, The NPMD and IPOD are also designated as International Depositary Authorities (IDAs) under the Budapest Treaty.

Accreditation Field

Contribute to Ensuring the Reliability of "Conformity Assessment Results (Testing, Calibration, etc.) and Quality of Products"

International Accreditation Japan (IAJapan), as a governmental accreditation body, operates registration systems for testing laboratories and calibration laboratories based on the Industrial Standardization Act and the Measurement Act, respectively, and an accreditation program for international mutual recognition agreements to ensure the reliability of products and other items. IAJapan contributes to the establishment of the infrastructure necessary for safety life and smooth trade with overseas countries by implementing third-party assesments and accredation of testing and calibration laboratories and certification bodies impartially and fairly.

IAJapan is a governmental accreditation body that accredits conformity assessment bodies (CABs) that are accepted both domestically and internationally.

IAJapan conducts its accreditation activities in conformity with the applicable international standards* for accreditation bodies. The types of CABs that IAJapan accredits and the applicable international standards for those CABs are as follows.

* ISO/IEC 17011 Conformity assessment — Requirements for accreditation bodies accrediting conformity assessment bodies

Conformity Assessment Bodies	Applicable International Standards
Testing laboratory	ISO/IEC 17025 General requirements for the competence of testing and calibration laboratories
Calibration laboratory	
Reference material producer	ISO/IEC 17034 General requirements for the competence of reference material producers
Product / Process certification body	ISO/IEC 17065 Conformity assessment-requirements for bodies certifying products, processes and services.

The international Mutual Recognition Arrangements (MRAs) in which IAJapan participated and signed are as follows.

Mutual / Multilateral recognition arrangement (MRA / MLA)	Outline
IAF MLA	An MLA organized by the International Accreditation Forum (IAF) among the bodies for accreditation of certification bodies
ILAC MRA	An MRA organized by the International Laboratory Accreditation Cooperation (ILAC) among the bodies for accreditation of testing laboratories/calibration bodies/reference material producers, etc.
APAC MRA	An MRA organized by the Asia-Pacific Regional Accreditation Cooperation Organization

The MRAs facilitate the acceptance of conformity assessment results across the world, and thus contribute to smooth trade by eliminating the technical barrier to trade.

Ensuring the Reliability of Calibration Activities Supporting Industrial Activities—Registration and Accreditation of Calibration Laboratories

For the sustainability and growth of industry activities, it is necessary to ensure the reliability of calibration activities. IAJapan accredits calibration laboratories that perform calibrations of measuring instruments to ensure this reliability.
IAJapan operates two programs: JCSS, an accreditation program based on the Measurement Act; and ASNITE, IAJapan's own program, to cover the measuring instruments used by labs and the industry.
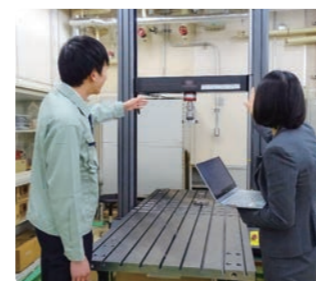
On-site assessment (image)

Ensuring the Quality of Products and the Safety of Our Lives—Registration and Accreditation of Testing Laboratories

Various testing services are provided by testing laboratories to ensure the safety of lives and to confirm the quality of products.
IAJapan accredits these laboratories to ensure the reliability of their test results.
IAJapan operates the following accreditation systems/programs for testing laboratories:

1) the Japan National Laboratory Accreditation system (JNLA), based on the Industrial Standards Act
2) the Specified Measurement Laboratory Accreditation Program (MLAP), based on the Measurement Act
3) the ASNITE Testing Program (general, environmental, and IT fields)

Testing services by JNLA test laboratory (image)

Accreditation of Reference Material Producers (RMPs)

To assess and accredit the competence of business operators producing and supplying reference materials (RMs) is necessary to ensure the reliability of the RMs they provide and to be used as standards for chemical analysis and other purposes.
IAJapan accredits RMPs that provide standard solutions, standard gases, and environmental reference materials (such as seawater).

Accreditation of Product/Process Certification Bodies

To solve global issues such as the SDGs and ensure product safety and competitiveness, it is important to demonstrate that the objects and processes meet requirements and expectations.
Promoting global acceptance of product/process certification results is attracting international attention as a means of handling these issues. IAJapan provides accreditation services for certification bodies in the areas including sustainability, product safety and railroads.

Measurement activities by RMPs (image)

Products certified by the ASNITE program certification bodies (image)

Emerging Technology Evaluation Field

Support Market Formation Through the Development of Evaluation Methods for New Technologies

Large-scale battery energy storage systems that use lithium-ion batteries and other technologies are expected to see significant market growth, since they are essential for introducing renewable energy sources such as solar power generation and for backup if power outages occur.

NITE Global Center for Evaluation Technology provides the technical support industries need in accordance with national policies and society's current needs. We are now helping to strengthen Japan's competitiveness in the global market, promote new business development and develop industry, with a focus on two areas: the testing and evaluation of large-scale battery energy storage systems, and technical support for electrical safety policy.

Strengthen global competitiveness using one of the world's largest testing and evaluation facilities for large-scale battery energy storage systems

NITE operates the National Laboratory for Advanced Energy Storage Technologies (NLAB), one of the world's largest testing and evaluation facilities for large-scale battery energy storage systems, in Osaka and conducts testing and evaluation to ensure the performance, reliability and safety of new products and systems. The NLAB provides testing services that meet a wide range of needs that other testing organizations cannot provide. The "NLAB Large Chamber", the world's first and still one of the largest thermostatic test spaces, allows the implementation of customized tests that involve ignition, combustion and explosions in a safe manner. Various tests that reproduce the vibrations that occur during earthquakes and transportation as well as charge/discharge tests in extreme temperatures can be conducted at "NLAB functional testing facilities". In addition, the NLAB contributes to the development and expansion of a market for large-scale battery energy storage systems through creating new testing and evaluation methods for performance, reliability and safety. We are working on the international standard while collaborating with businesses and research institutions.

NLAB in Osaka

Inside the NLAB Large Chamber

In addition, NITE started operating the "NLAB MIDDLE Chamber"* in October 2024 to meet the testing needs for next-generation batteries including solid-state batteries. It is also possible to conduct safety tests on sulfide-based solid-state batteries.

* MIDDLE Chamber: Multiple Innovation-Directive Development and Leading-Edge Evaluation Chamber

NLAB MIDDLE Chamber

Technical support for electrical safety policy

In May 2020, NITE established the Infrastructure Advancement Partnership for Electric Power Safety to provide technical support for electrical safety policy, with the aim of reducing accidents in electric facilities. Using the knowledge and experience we have cultivated, we work on a variety of tasks that help maintain and improve the quality of electrical safety while collaborating with the Ministry of Economy, Trade and Industry (METI) and other related organizations.

As part of this effort, we analyze and publish accident information on electric facilities reported to METI by businesses. For example, we publish "Electrical Safety Statistics", which summarize the trends in accidents by fiscal year. In addition, we provide the "Detailed Accident Report Publication System" on our website, which makes it possible to easily search our database of accident information collected from around the country. This can be used by businesses to consider recurrence prevention measures and for in-house training.

In recent years, a lot of attention has been paid to "smart safety," which utilizes new technologies such as AI, IoT, robots and drones in addition to data. NITE operates the "Smart Safety Promotion Committee" to confirm the technical adequacy of new safety technologies. By confirming the adequacy and effectiveness of technologies through this committee, we support the on-site implementation of technologies, leading to better operational efficiency and lowers costs and labor. Furthermore, we promote the introduction of smart safety technologies and improve safety standards by cataloguing and publishing the technologies we reviewed.

Electric facility (image)

Smart Safety Promotion Committee

Applying for verification of smart safety technology → Deliberations on the technology's adequacy and effectiveness → Publishing a technology catalogue on the website

Smart Safety Promotion Committee

Respond to Changes in Society and Diversifying Needs Through Our Comprehensive Capabilities

For Supporting Innovations—The Initiatives of "Team NITE"

NITE has experience and a track record in inspecting and evaluating products and technologies in collaboration with related organizations to achieve a prosperous society and safer lifestyles. Based on cross-organizational collaboration in our five fields (consumer product safety, chemicals management, biotechnology, accreditation, and emerging technology evaluation), we utilize the knowledge, know-how and information we have accumulated to support the innovations by business operators to create new markets on the basis of knowledge, technology, products and services that are obtained through their research and development.

"Team NITE" Contributes to Corporate Innovation and Social Implementation as a Support Hub for Innovation
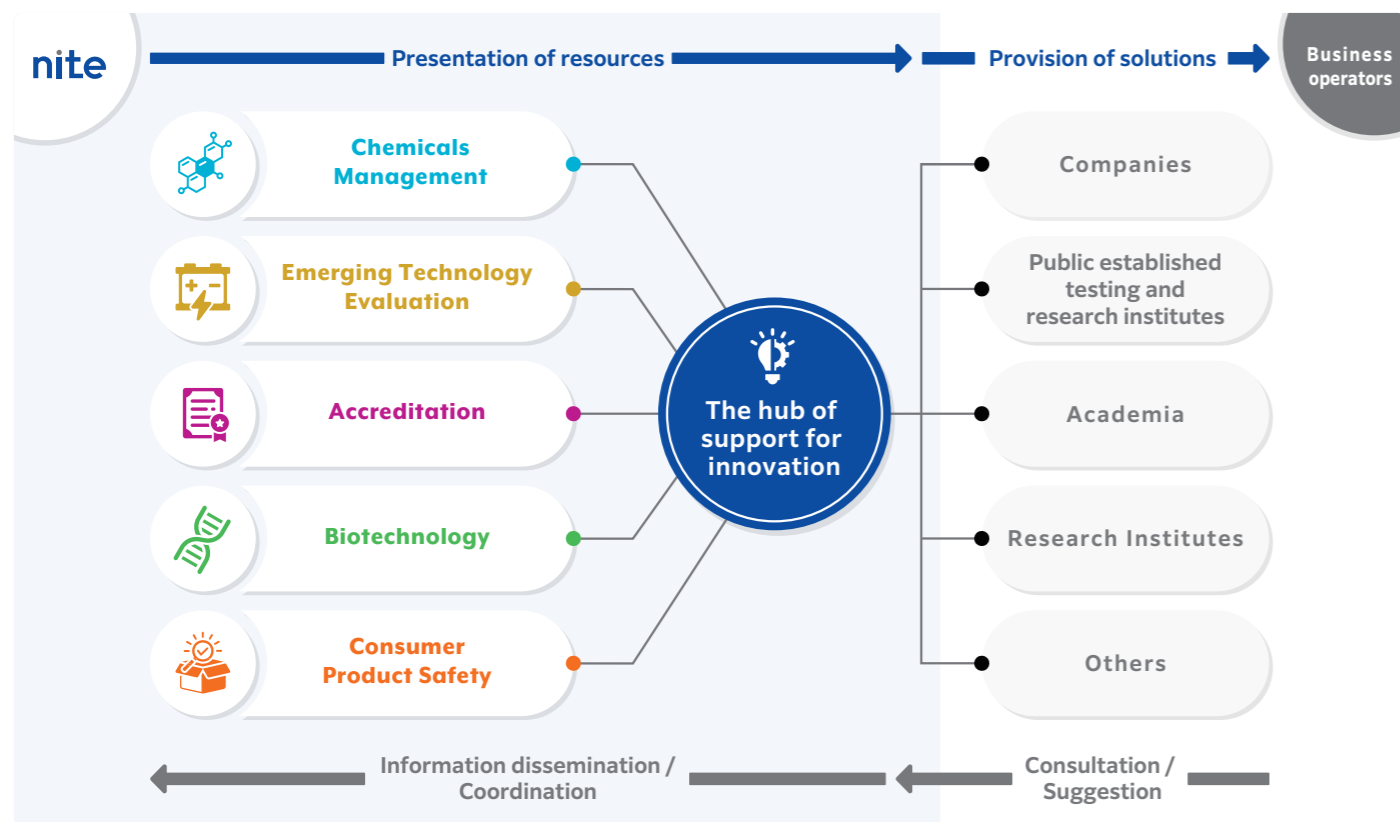

Initiatives to Improve Standardization and Conformity Assessment Literacy

Development of External Human Resources

Since 2024, NITE has developed human resources by training for social implementation and the use of standards with a focus on the development of conformity assessment schemes, as well as the maintenance of a network of domestic human resources that we have developed.

Development of Internal Human Resources

A standards/conformity assessment literacy is essential for all NITE staffs because technology evaluation is core value for NITE. We started training programs for all NITE staffs to obtain basic conformity assesment knowledge in 2024.
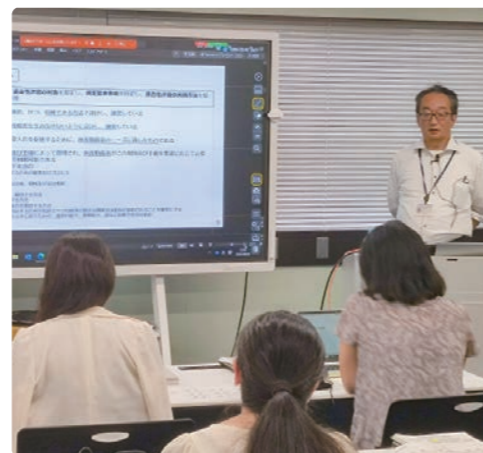
▷ A scene from the follow-up lecture for external human resource literacy improvement.

Promotion of Digital Transformation (DX)

- We are promoting DX based on the "NITE Digital Vision", which sets out the goals for DX at NITE, and the action plan, which sets out the strategies for achieving those goals.

- We are promoting the development of digital human resources through the "Direction for Securing and Developing Digital Human Resources" based on the characteristics of NITE.

- We encourage all executives and employees to take the "Information Technology Passport Examination", national exam to improve digital literacy.

- We are continuously strengthening staff training and supporting the proactive acquisition of digital skills to develop digital specialists.

Systematic Human Resource Development and Workplace Environment Improvement to Enhance Expertise

- We have a well-developed training system to help our staff add to their expertise. We also have an overseas dispatch program to develop global human resources, in which we send our staff to the Organisation for Economic Co-operation and Development (OECD) in France.

- We are creating a workplace environment in which everyone, regardless of gender, generation or the like, can play an active role. Our efforts to promote the active participation of women have been recognized, and we have received the "Eru-boshi (L-Star) Certification" from the Ministry of Health, Labour and Welfare. We have also introduced an employee promotion system based on abilities and achievements, allowing employees to be promoted regardless of their age or years of experience.

▷ Many staff members play active roles

Providing Various Information to the Public—Our Public Relations Efforts

- With the goal of achieving efficient public relations, we provide a variety of information to the public via SNS and other media. On X (formerly Twitter), we provide information linked to NITE news releases and timely information that matches current trends, while on YouTube our staff members produce and post videos about safety reminders and the like.

- We are also working to promote communication with local residents and publicize our activities to children.


▷ A scene from an event for the local community

NITE Database for Industry and Daily Life

NITE compiles the information it collects and investigates into databases, which are available to the public. You can easily search for the information you need, so please make use of it.

NITE Chemical Risk Information Platform (NITE-CHRIP)

This is Japan's largest information database on the laws and regulations necessary to manage chemical substances and track their hazardous properties. The information is independently collected and organized by NITE.
You can search for information on chemical substance regulations and toxicity assessments from Japan and around the world, using CAS numbers, names, lists of substances subject to legal regulations, etc. You can also use this as a reference for complying with chemical substance legislation and promoting the voluntary management of chemical substances.
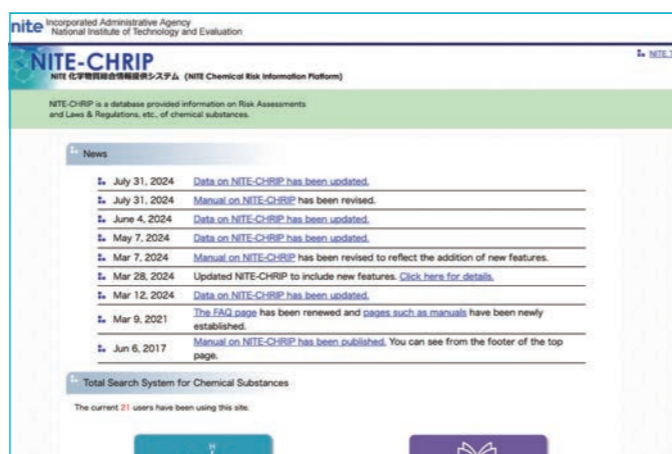
https://www.chem-info.nite.go.jp/en/chem/chrip/chrip_search/systemTop

NBRC Online Catalog

Among the microorganisms collected and preserved by NITE, you can search for detailed information on approximately 22,000 strains (NBRC strains), including their scientific names, countries of origin, culture conditions, sources of isolation, applications, genetic information, and references.
Please refer to this catalog as a reference when considering the use of NBRC strains. Additionally, you can request NBRC strains directly from the online catalog.
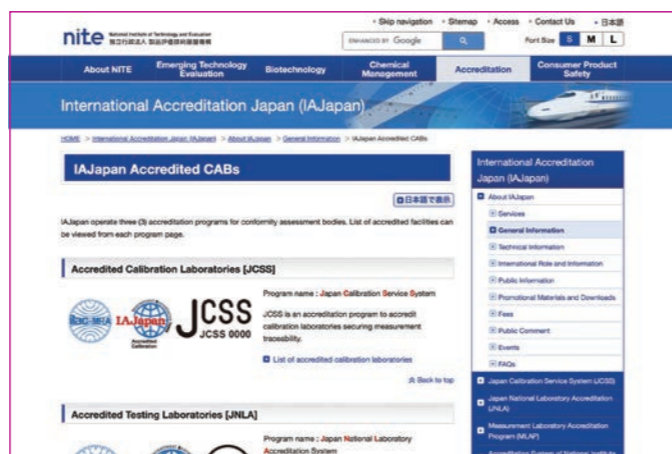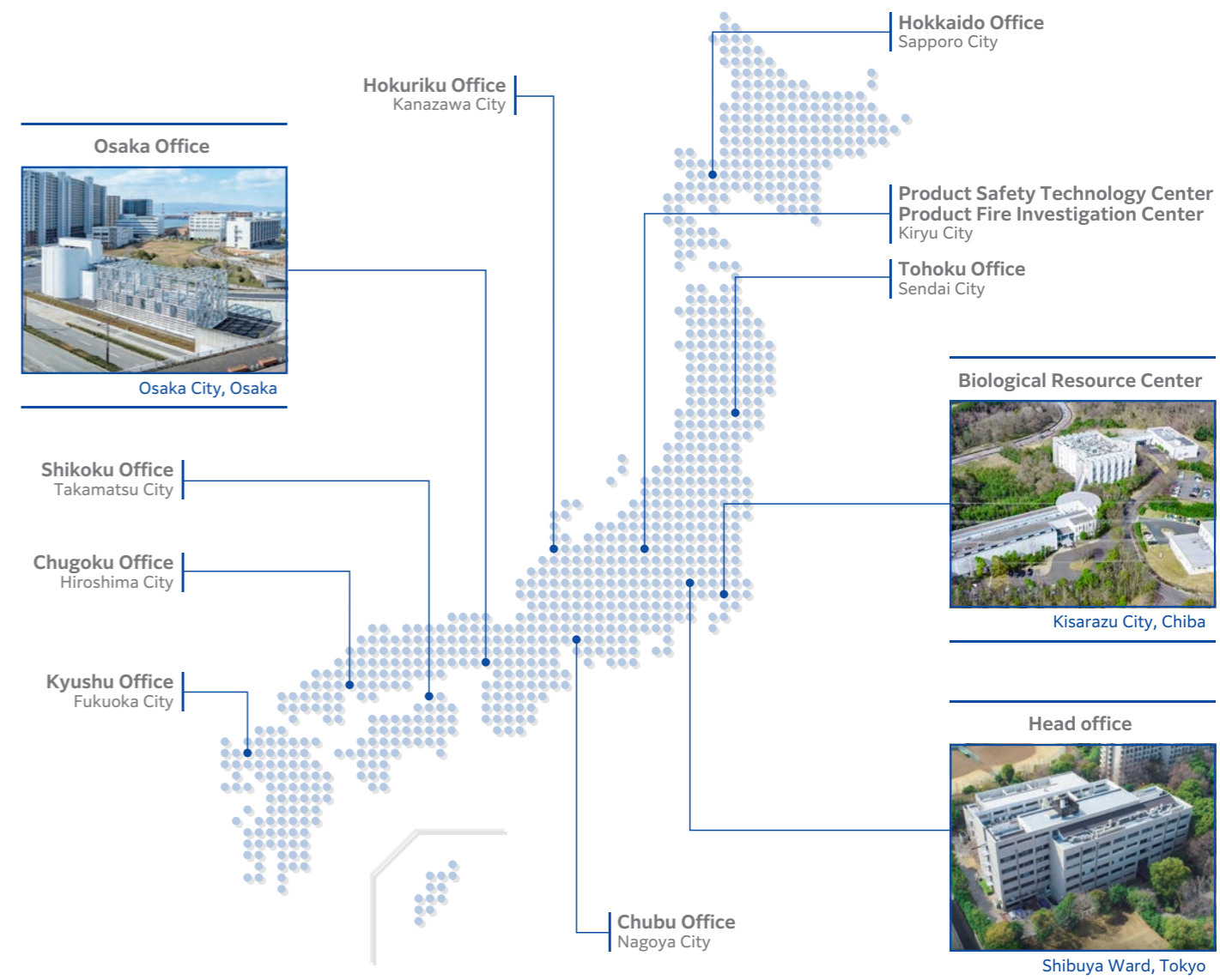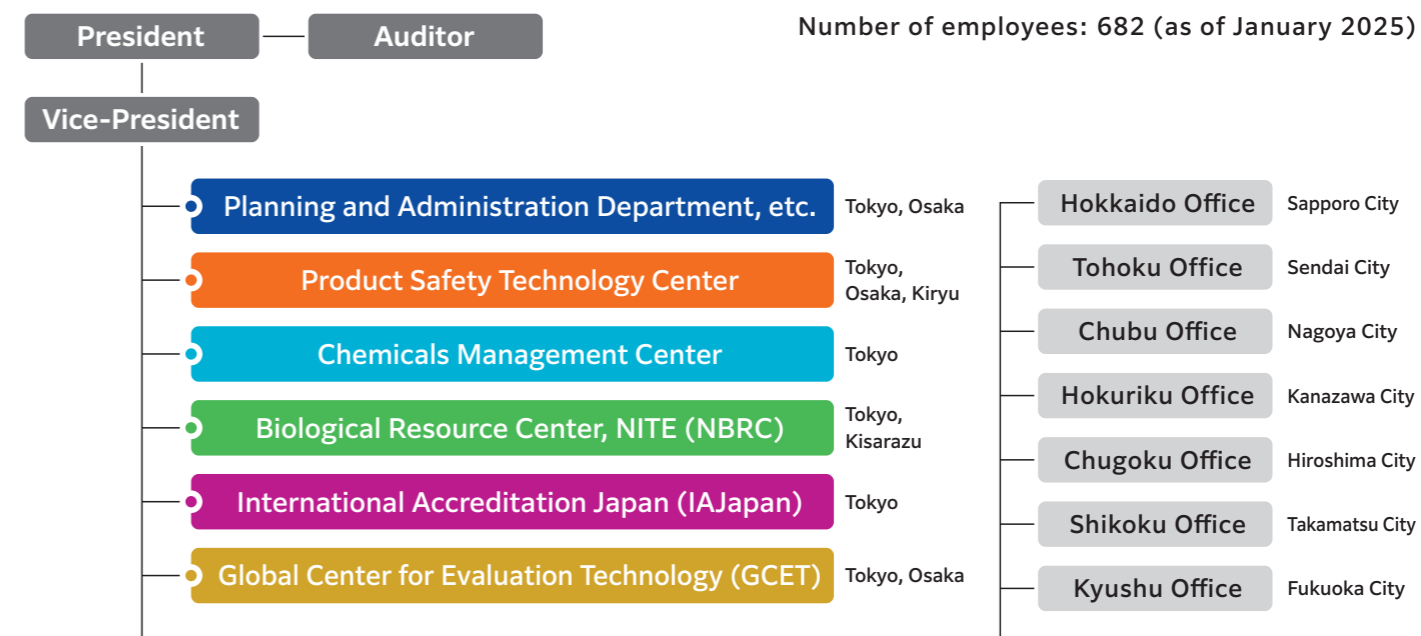
https://www.nite.go.jp/nbrc/catalogue/?lang=en
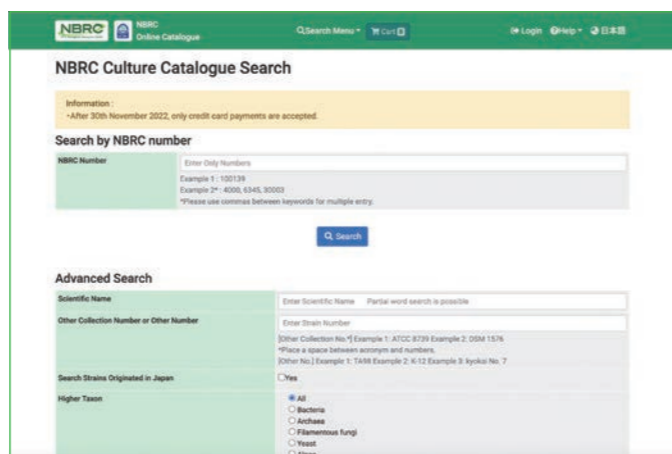
List of Conformity Assessment Bodies Registered with and Accredited by International Accreditation Japan

You can search and view a list of the more than 650 bodies that have registered and been accredited under the JCSS, JNLA, MLAP and ASNITE accreditation programs run by NITE, by accreditation program, category and field.
You can use this to search for registered and accredited bodies when requesting proofreading, testing and other tasks based on NITE's accreditation program.

https://www.nite.go.jp/en/iajapan/aboutus/ippan/lab-e.html

Organization Chart and Office Locations

Number of employees: 682 (as of January 2025)

- President — Auditor
- Vice-President

Department/Center	Location
Planning and Administration Department, etc.	Tokyo, Osaka
Product Safety Technology Center	Tokyo, Osaka, Kiryu
Chemicals Management Center	Tokyo
Biological Resource Center, NITE (NBRC)	Tokyo, Kisarazu
International Accreditation Japan (IAJapan)	Tokyo
Global Center for Evaluation Technology (GCET)	Tokyo, Osaka

Office	City
Hokkaido Office	Sapporo City
Tohoku Office	Sendai City
Chubu Office	Nagoya City
Hokuriku Office	Kanazawa City
Chugoku Office	Hiroshima City
Shikoku Office	Takamatsu City
Kyushu Office	Fukuoka City

Hokkaido Office Sapporo City

Hokuriku Office Kanazawa City

Osaka Office
Osaka City, Osaka

Product Safety Technology Center Product Fire Investigation Center Kiryu City

Tohoku Office Sendai City

Biological Resource Center
Kisarazu City, Chiba

Shikoku Office Takamatsu City

Chugoku Office Hiroshima City

Kyushu Office Fukuoka City

Chubu Office Nagoya City

Head office
Shibuya Ward, Tokyo