ANNUAL REPORT 2025

Japan Chemical Industry Association

Promoting GX to Contribute to the Establishment of a Sustainable Society

[Editor's Policy]

The JCIA Annual Report is released each year to broadly inform all stakeholders, including members, of JCIA activities. In editing the report, we have endeavored to provide easy-to-understand reports on the activities of each committee and JCIA's various efforts to build a sustainable society. There are also plans to issue the JCIA Annual Report Reference Material, a compilation of various data related to JCIA activities, in fall or later.

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Scope of the report

Activities of the Japan Chemical Industry Association

Period covered

This report is based on activities and initiatives in FY2024 (April 1, 2024 to March 31, 2025).

Published

September 2025

[Inquiries]

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TOP MESSAGE

Promoting GX to contribute a sustainable society

FY2024 marked a major turning point for the chemical industry. Companies accelerated structural reforms and business restructuring, while discussions on promoting GX advanced significantly. Furthermore, investments in new growth areas, including digital implementation, have gained momentum.

The business environment surrounding the chemical industry has become increasingly uncertain and murky due to the impact of serious international conflicts and the rise of protectionism. However, even under these circumstances, the chemical industry remains committed to “establishing a sustainable society” based on a carbon-neutral, circular economy. In view of this, JCIA will continue to promote activities under the three priority themes of “promotion of GX,” “promotion of international cooperation,” and “steady implementation of safety and chemical management initiatives.”

岩田圭一

IWATA Keiichi

Chairman
Japan Chemical Industry Association (JCIA)

to the establishment of

01 Promotion of GX

In May, an amendment to the GX Promotion Act, which includes the legalization of the emissions trading system, was passed, and going forward, discussions and detailed design for the system's implementation will progress. We have established the GX Promotion Subcommittee since last year to deliberate on the emissions trading system among committee members and provide industry-level recommendations. At the same time, we are conducting internal reviews, such as analyzing the current situation and identifying challenges, to develop a roadmap for achieving carbon neutrality in the chemical industry by 2050.

Furthermore, for realizing carbon-neutral, recycling-oriented societies, it is vital to that the environmental added-value of products is broadly accepted and recognized by society as a whole, including end-users, who are the general consumers of the final products. To help enhance understanding of this environmental value, JCIA will be working toward the full-scale implementation of the registration system of recycled chemical materials, aiming to improve social recognition of recycled products and promote the circular use of chemical materials.

At the same time, through these challenging efforts, we hope to communicate to society the importance and benefits of the chemical industry.

02 Promotion of international cooperation

As issues common to the chemical industry in Japan and around the world emerge toward the realization of a sustainable society, it is necessary to further promote international cooperation in resolving these issues.

We will continue to work toward the creation of an international framework for chemicals management, focusing on activities conducted at the International Council of Chemical Associations (ICCA).

We will also continue soliciting the opinions of our member companies and organizations and actively communicating these views when teaming up with the Intergovernmental Negotiating Committee (INC) to develop a legally binding international treaty on ending plastic pollution and when working on concrete action plans for the chemical industry to establish a chemical product management system based on the Global Framework on Chemicals (GFC).

03 Steady implementation of safety and chemical management initiatives

It goes without saying that safety and chemical management initiatives are the foundation and prerequisite for the survival of the chemical industry. The chemical industry bears a great responsibility to provide society with a stable supply of chemical products that are essential to our daily lives.

We will continue to discuss and implement measures to eliminate workplace accidents by widely disseminating good practices from member companies, such as those recognized through the "Safety Awards," and other activities carried out by JCIA.

In the area of chemical management, we will continue our efforts to promote risk-based management that is integrated with the supply chain to provide safe and secure chemical products.

Focusing on the above three initiatives, we will make a sincere effort for the sustainable development of our association and the chemical industry in Japan.

Japan Chemical Industry Association | About the Japan

The Japan Chemical Industry Association (JCIA) engages in various activities with the aim of contributing to the sustainable development of human society. It does this by providing value to its members and the public, while at the same time monitoring changes in the environment surrounding the Japanese chemical industry and working with government bodies, related organizations, academic associations, and the International Council of Chemical Associations (ICCA).

[JCIA at a glance]

Name

Japan Chemical Industry Association (JCIA)

Established

April 1948: JCIA formed as a voluntary association

June 1991: Shifted to an incorporated association as a legal entity

April 2011: Shifted to a general incorporated association

Mission

JCIA seeks to promote the healthy development of the chemical industry through the research and study of the production, distribution and consumption of materials relating to the chemical industry. JCIA also focuses on the research and study of various issues relating to the technology, labor, environment and chemical safety of the industry, and on planning appropriate measures and actions for the economic prosperity of Japan and the betterment of the national standard of living.

Activities

Concerning the chemical industry:

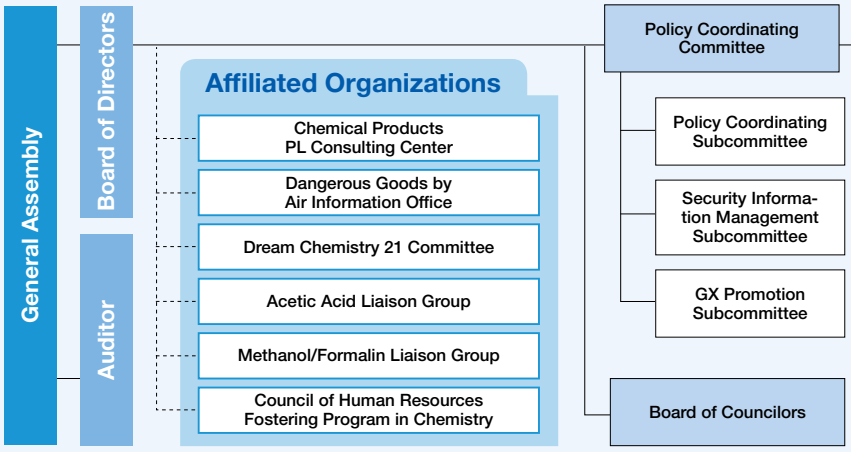
1. Research and study on the production, distribution and consumption of chemical products.
2. Research and study on issues concerning technology, labor, environment, chemical safety, etc., as well as planning and promoting measures and actions.
3. Commendations for outstanding achievement in new technologies and safety records.
4. Collection and dissemination of information, communication and cooperation with related organizations in Japan and overseas.
5. Public outreach and advocacy activities.
6. Workshops and seminars.
7. Exchange and cooperation with relevant organizations in Japan and overseas.
8. Other operations in addition to the above that are necessary to achieve JCIA's mission.

Fiscal Year

From April 1 to March 31 of the following year

Organizational Chart of JCIA

The Japan Chemical Industry Association (JCIA) is organized into the General Assembly, the Board of Directors, Auditors, the Policy Coordinating Committee, the Board of Councilors, business-specific committees and the Secretariat. The General Assembly, which is composed of all JCIA member companies and organizations, is the supreme decision-making body. The Assembly resolves important issues related to JCIA management, as well as the business plan, budget and financial statements. The Board of Directors consists of the Directors and Executive Directors elected from among the member companies and resolves issues related to JCIA business and activities.



Chemical Industry Association

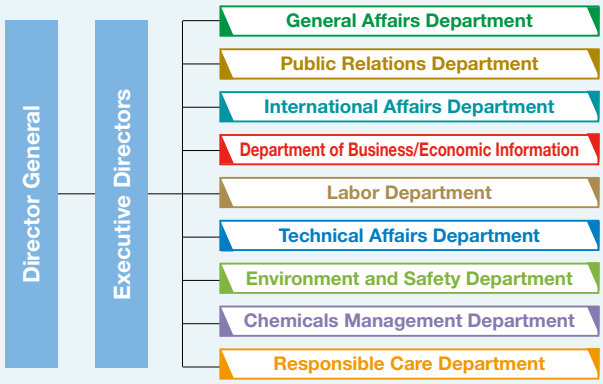
Board members of the Japan Chemical Industry Association (As of July 1, 2025)

Chairman (Representative Director)	IWATA Keiichi	SUMITOMO CHEMICAL COMPANY, LIMITED	Chairman of the Board
Vice Chairman (Representative Director)	HASHIMOTO Osamu	Mitsui Chemicals, Inc.	Representative Director, President & CEO
Vice Chairman (Representative Director)	HASEBE Yoshihiro	Kao Corporation	Representative Director, President and Chief Executive Officer
Vice Chairman (Representative Director)	GOTO Teiichi	FUJIFILM Holdings Corporation	President, Representative Director & Chief Executive Officer
Vice Chairman (Representative Director)	NODA Kazuhiro	NIPPON SHOKUBAI CO., LTD.	President & CEO, Representative Director
Director	KUDO Koshiro	Asahi Kasei Corp.	President & Representative Director
Director	SHIMAMURA Takuya	AGC Inc.	Director, Chairman
Director	FUJII Kazuhiko	KANEKA CORPORATION	President
Director	HORI Tetsuro	JSR Corporation	Representative Director, CEO, President Officer
Director	KATO Keita	SEKISUI CHEMICAL CO., LTD.	President and Representative Director
Director	OGAWA Yoshimi	Daicel Corporation	Chairperson of the Board
Director	INO Kaoru	DIC Corporation	Director, Chairman of the Board of Directors
Director	ISHIDA Ikuo	Denka Company Limited	Representative Director, President & CEO
Director	KUWADA Mamoru	Tosoh Corporation	Representative Director, President
Director	SAWAMURA Koji	NOF CORPORATION	Representative Director, President and CEO
Director	KAWAMURA Shigeyuki	Nippon Kayaku Co., Ltd.	President, Representative Director
Director	ISAHAYA Yoshinori	MITSUBISHI GAS CHEMICAL COMPANY, INC.	Representative Director, President
Director	CHIKUMOTO Manabu	Mitsubishi Chemical Corporation	Representative Director of the Board
Director	NISHIDA Yuki	UBE Corporation	President and Representative Director
Director	TAKAHASHI Hidehito	Resonac Holdings Corporation	Representative Director, President and Chief Executive Officer (CEO)
Director General	SHINDO Hideo	Japan Chemical Industry Association	Director General
Executive Director	ANDO Hiroshi	Japan Chemical Industry Association	Executive Directors
Executive Directors	HANDA Shigeru	Japan Chemical Industry Association	Executive Directors
Executive Directors	SUKATA Tokuo	Japan Chemical Industry Association	Executive Directors
Executive Directors	ISHII Hiroshi	Japan Chemical Industry Association	Executive Directors
Auditor	TAKAMURA Mikishi	TOAGOSEI CO., LTD.	Chairman, CEO and Representative Director
Auditor	YOKOTA Hiroshi	Tokuyama Corporation	Representative Director, President and Executive Officer

Committees

- Public Relations Committee
- International Activities Committee
- Economy and Tax System Committee
- Labor Committee
- Technical Affairs Committee
- Environment and Safety Committee
- Chemicals Management Committee
- Responsible Care Committee

Organizational Chart of JCIA Secretariat



Toward a Sustainable Society

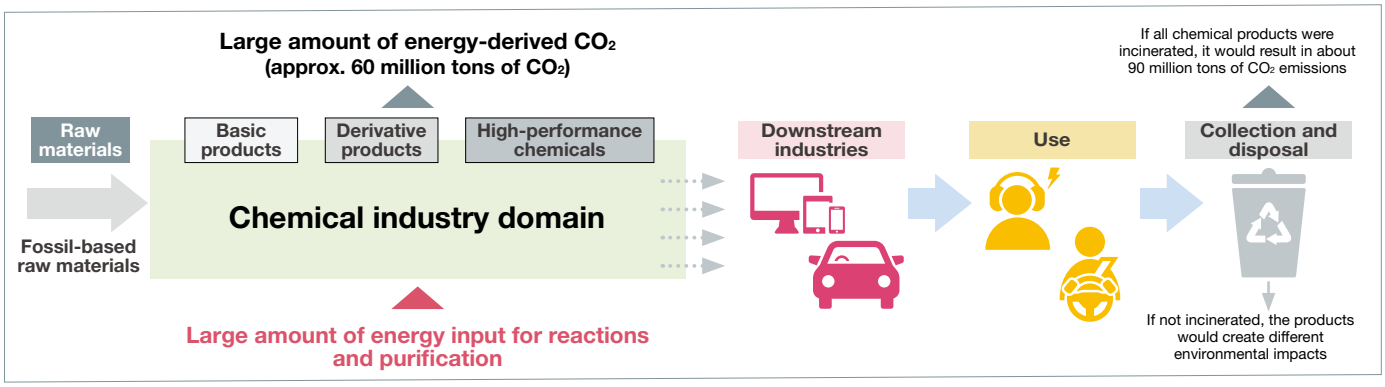
The chemical industry is tackling various issues to improve people's lives through the supply of a wide variety of materials, and to protect the environment, health, and safety across all stages from development and manufacture through consumption and disposal of chemical products.

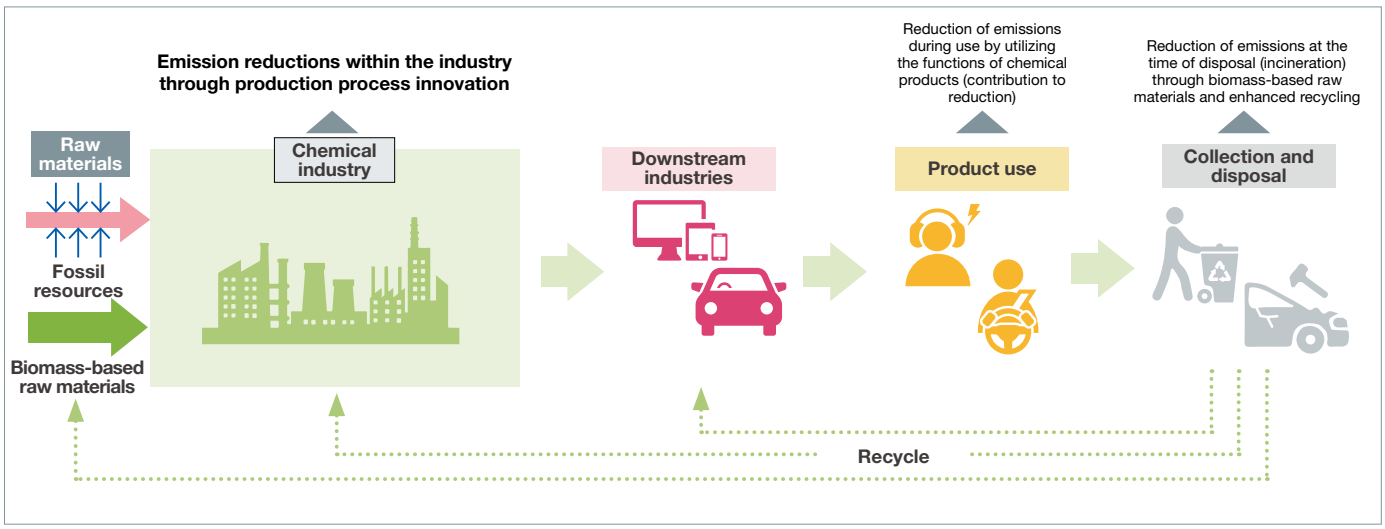
In collaboration with industry, government, and academia, JCIA supports the chemical industry's efforts to achieve carbon neutrality by 2050 and communicates that chemical products and innovations contribute to the growth of a sustainable society.

Realization of a carbon-neutral society: Aiming to build a sustainable society

The chemical industry provides materials to all industries and has a responsibility to maintain a value chain and a stable supply. In addition, the chemical industry is an industry that can supply society with products made from CO_2 through its technology and technological development capabilities, and can contribute to the realization of a carbon-circulating society, the maintenance of the domestic value chain, and the enhancement of international competitiveness. On the other hand, because the chemical industry uses a large amount of energy during manufacturing, it is necessary to work on reducing energy-derived CO_2 emissions during manufacturing at the same time. Furthermore, most of the chemical products essential to our daily lives contain carbon, and it is also necessary to consider reducing the environmental impact generated when these products are disposed of.

At JCIA, we believe that "carbon neutrality in the chemical industry means not to consume any more carbon in the ground, but to make good use of the carbon that is currently on the surface of the earth by recycling." To achieve carbon neutrality, it is essential not only to reduce CO_2 emissions from our own production activities through innovations in the production process, but also to reduce emissions during use (contribution to reduction) by utilizing the functions of chemical products, and to reduce emissions during disposal (incineration) through biomass-based raw materials and enhanced recycling. Within this context, regarding recycling, we operate under the concept that it is essential to go beyond plastics and utilize all carbon sources, recycling them into a





wide range of chemical products in order to build a sustainable society. With the creation of markets for recycled products and their integration into society in mind, we are working on the international standardization of chemical recycling, aiming to issue standards by the end of FY2025. In addition, Japan's domestic registration system of recycled chemical materials is currently in a trial phase, and we are aiming for its full-scale implementation by the end of FY2025.

As we work toward achieving carbon neutrality by 2050, various policies are now being implemented, including the Cabinet approval of the "Plan for Global Warming Countermeasures," which aims to reduce greenhouse gas emissions by 60% and 73% from 2013 levels by FY2035 and FY2040, respectively, the formulation of the "GX2040 Vision," and the full-scale operation of the GX-ETS system starting in FY2026.

JCIA is actively promoting global warming countermeasures through the GX Promotion Subcommittee under the Policy Coordinating Committee. In collaboration with the Ministry of Economy, Trade and Industry, the subcommittee reviews relevant policies and provides input from the chemical industry. These activities are based on the perspective of contributing to the global environment throughout the product life cycle. JCIA is also formulating a roadmap toward achieving carbon neutrality by 2050, in alignment.

Initiatives for Plastic Pollution Issues (Activities of JaIPLE)

Addressing the problem of plastic pollution, including in the marine environment, is an issue that needs to be addressed in a coordinated global effort. Measures to address the problem of plastic pollution are being discussed at the "Intergovernmental Negotiating Committee (INC) to develop an international legally binding instrument on plastic pollution," which was established based on a resolution adopted at the resumed fifth session of the United Nations Environment Assembly (UNEA- 5.2) held in February 2022. Under these circumstances, the chemical industry established JaIPLE in April 2023 as a forum for sharing information and conducting industry-wide activities to proactively address this issue.

In addition to sharing the status of the INC response with JaIPLE members, JCIA also submitted the opinions of JaIPLE participating organizations to the Japanese government. We also assisted in the planning and operation of a training program conducted by the Japanese government in late September 2024, which focused on promoting plastic resource circulation for developing countries in Asia.

SDG Initiatives

Overview and Progress

JCIA has established the "SDGs Network" and, amid expanding sustainability challenges expected of companies, holds study sessions primarily featuring external lectures to help members learn about societal trends and how companies should address these issues. In addition, JCIA supports the SDGs activities of participating companies by holding regular information exchange and networking meetings for members to exchange information and interact with each other. In December 2018, JCIA launched a website dedicated to the SDGs, and in October 2020, we published examples of SDG activities (22 examples) from member companies as a collection of SDG case studies to show stakeholders that the chemical industry is making considerable contributions toward achievement of the SDGs. Furthermore, in cooperation with associations related to chemicals, we are striving to promote SDG activities by JCIA members.

In FY2024, two study sessions were held, focusing on trends in sustainability information disclosure and the collection and response strategies for sustainability-related data. In addition, an information exchange and networking meeting was held in a face-to-face format, allowing members to freely exchange opinions and discuss the challenges they face and their respective approaches, while also fostering networking.

Website

https://www.nikkakyo.org/sdgs/page/overview.html

Case studies

https://www.nikkakyo.org/sdgs/page/case.html

Activities as a Member of the International Community

JCIA is a member of the International Council of Chemical Associations (ICCA), representing the Japanese chemical industry. On the subject of 'Energy and Climate Change' in particular, which the ICCA has identified as one of the major themes, we play an important role as the Chair in harmonization of the chemical industry's global message on its contributions to responding to climate change. In addition, we participate in international chemical industry expert meetings, as well as programs to develop human resources and convey chemical management know-how for the development of the chemical industry in East and Southeast Asia.

ICCA (International Council of Chemical Associations) Activities

ICCA was established in 1989 by the chemical industry associations of Japan, the United States, Europe, and Canada. Currently, its full members include chemical industry associations from North America, South America, Asia, Oceania, the Persian Gulf States, and Africa, bringing the total membership to approximately 50 countries and regions.

The organization consists of four core Leadership Groups and five Cross-Cutting Groups, which are responsible for implementing strategic initiatives to solve issues in their respective fields, as well as for policy recommendations and other activities. See the ICCA website for more information.

ICCA Energy and Climate Change Leadership Group (E&CC LG) Activities

E&CC LG works to gain the understanding of the international community on global energy and climate change issues by proactively communicating not only the chemical industry's own efforts to reduce greenhouse gas emissions, but also the role and achievements of the chemical industry as a solution provider.

In 2024, as a result of research on pathways for achieving climate neutrality in the chemical industry, the report titled "Pathways for the Global Chemical Industry to Climate Neutrality" was published on the ICCA website, and the Japanese translation was posted on the JCIA website. In 2025, these outcomes will also be utilized to communicate and promote the chemical industry's initiatives to various stakeholders.

ICCA Chemicals Policy and Health LG (CP&H LG) Activities

CP&H LG is working to address common industry challenges to sound chemical management and sustainable development in the chemical industry. In FY2024, we participated in a working group dedicated to achieving the ambitious goals announced by the ICCA for the Global Framework on Chemicals (GFC), and submitted our recommendations to ICCA based on the requests of member companies. At the meeting of the Intergovernmental Negotiating Committee (INC) to develop an international legally binding instrument on plastic pollution, we participated in discussions to avoid uniform regulation of chemicals under the treaty and submitted recommendations reflecting the requests of our member companies. Furthermore, we attended the 4th and 5th sessions of the INC and expressed our opinions to the Japanese government, seeking their cooperation. For the development of a database on chemicals used in plastics, we utilized the information on commercially used chemicals provided by member companies and released the first edition of the database in November.

Activities of the ICCA Plastics Leadership Group (PLG)

At UNEA 5.2 in February 2022, a resolution was passed to establish an Intergovernmental Negotiating Committee (INC) to negotiate a new global instrument addressing plastic pollution. As a representative of the ICCA delegation, PLG participated locally in the INC from the first session held in Uruguay in November 2022 to the fifth session held in South Korea in November 2024, conveying the views of the chemical industry and exchanging opinions with government representatives of participating countries and relevant stakeholders. JCIA also joined the ICCA delegation and submitted recommendations to the Japanese government based on the views of its member companies. Since no agreement was reached among the countries at the fifth session, negotiations will continue with a resumed session to be held in Switzerland in August 2025. We will continue to take action toward the resumed session.

Activities of the ICCA Responsible Care Leadership Group (RCLG)

The RCLG is the organization within ICCA responsible for promoting the RC activities. The RCLG usually holds a two-day face-to-face meeting twice a year, in the spring and fall, when representatives of national associations gather in one of the member countries. In 2024, due to unavoidable circumstances, the regular spring meeting was canceled, so only the regular autumn meeting was held on September 25–26 in Bogotá, Colombia, South America, in a hybrid format combining in-person and online participation. The main agenda items included

changes to ICCA's budget allocation policy for the next three years, the corresponding new activity policies for the RCLG, and discussions on how to utilize the United Nations' GFC fund to supplement ICCA's budget.

ICCA ASEAN Regulatory Cooperation Platform (ARCP) Activities

The ASEAN Regulatory Cooperation Platform is a regulatory cooperation platform targeting the ASEAN Economic Community and is an activity under the ICCA Global Regulatory Cooperation umbrella. The goal is to promote activities focused on risk-based chemicals management and to apply ICCA's global policy on regulatory cooperation to chemicals regulations that are being developed in the region. JCIA participates in this platform led by the Singapore Chemical Industry Council as a member of the organization along with the American Chemistry Council (ACC) and the European Chemical Industry Council (Cefic). In October 2024, a policy dialogue on chemical management was held in Hanoi, Vietnam, targeting government and industry stakeholders from ASEAN countries, and workshops were conducted on risk assessment, GHS, and the new chemical substance notification system.

APEC Activities (Chemical Dialogue)

APEC (Asia-Pacific Economic Cooperation) is a framework for economic cooperation by 21 economies in the Asia-Pacific region. JCIA participates in the Chemical Dialogue, a sub-forum of the APEC Committee on Trade and Investment. The Chemical Dialogue is a forum for representatives of regulators and industry that aims to identify solutions to the challenges faced by the chemical industry in the Asia-Pacific region. Together with promoting trade and improving the levels of sound management of chemical substances through supporting expansion of regulatory cooperation and harmonization in the region, it also promotes understanding of the roles of the chemical industry in providing innovative solutions for sustainable economic, environmental, and social development. It also serves as a venue for effective cooperation between industry and government to improve chemical product stewardship and safe use.

AMEICC Activities

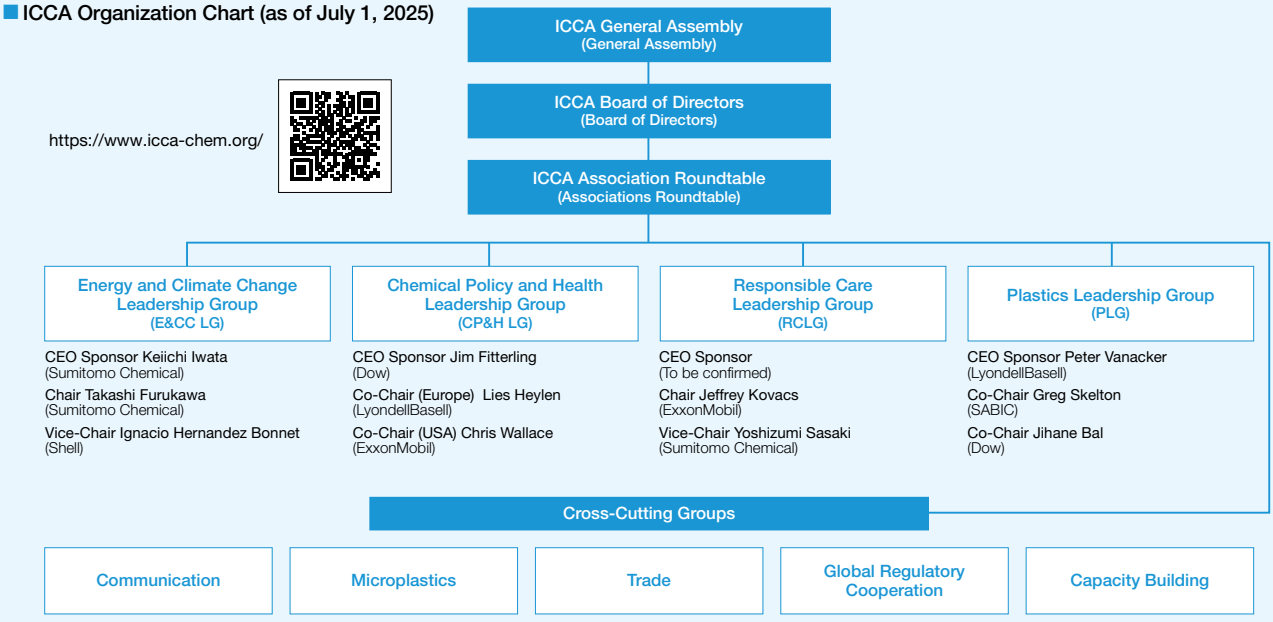
The ASEAN Economic Ministers (AEM) and the Minister for Economy, Trade and Industry (METI) Economic and Industrial Cooperation Committee (AMEICC) is a subordinate organization of the AEM-METI that implements practical economic and industrial cooperation in the ASEAN region. In August 2024, the Chemical Industry Working Group held an online meeting where updates on chemical regulations from various countries, climate change and emission countermeasures, and reports on ARCP activities were presented.

Participation in OECD Conferences

JCIA participated in various conferences held by the Organization for Economic Co-operation and Development (OECD)—Chemicals and Biotechnology Committee, Working Party of National Coordinators of the Test Guidelines Program, Working Party on Manufactured Nanomaterials, Working Party on Hazard Assessment, Working Party on Exposure Assessment, Working Party on Risk Management, and Advisory Group on Emerging Science in Chemicals Assessment—as a member of the Business and Industry Advisory Committee (BIAC), an advisory body to the OECD representing the private sector. In doing so, we gathered and communicated useful information for members as well as expressing their views.

ICCA Organization Chart (as of July 1, 2025)

https://www.icca-chem.org/



JCIA's Human Resource Development

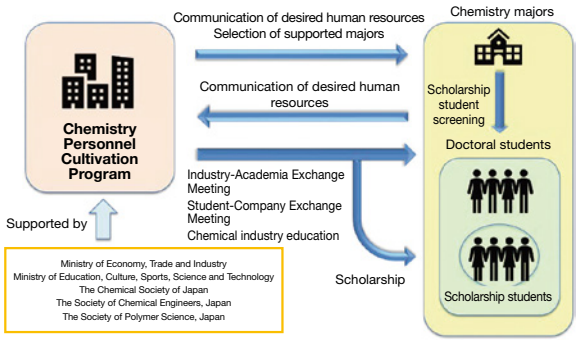
In order for the chemical industry to contribute to economic growth and the realization of a sustainable society through the stable supply of products and services and creation of innovations, and to develop sustainably as an industry, the development of human resources is important. For elementary, junior high, and high school students, we hold educational events to stimulate interest in chemistry, and for university and graduate students, we hold exchange events with companies and provide chemical industry education, as well as scholarships. In addition, for adult members, we also hold seminars and training courses on numerous topics including safety and disaster prevention, occupational health and safety, and chemical management to promote the development of the next generation of human resources who will carry the future of the chemical industry.

Chemistry Personnel Cultivation Program
(for undergraduate and graduate students)

Summary:

JCIA promotes the Chemistry Personnel Cultivation Program in order to train young people, who takes an important role as the foundation for strengthening the international competitiveness of and promoting Japan's chemical industry. The program provides information on the human resource needs of the chemical industry to graduate-level chemistry majors throughout Japan and supports doctoral candidates in fields that meet those needs. Currently, 32 JCIA member companies are participating in this program, and the following activities were conducted in FY2024.

Overview of the Chemistry Personnel Cultivation Program



Offering scholarships:

Scholarships of 200,000 yen per month were awarded to 33 students recommended by the supported majors. This scholarship is awarded for up to three years, until the completion of the doctoral program.

Promoting exchanges program between universities and our member companies:

The Industry-Academia Exchange Meeting 2024, a venue for exchanges with universities and companies, was held face to face and online in November. At the meeting, nine scholarship recipients who are in the second year of their doctoral course, gave presentations on their research, and two doctors, who now work at our member companies, shared their experience at the companies.

The forum was attended by 20 members from member companies and 25 faculty members and students from universities, who engaged in a lively question-and-answer session on the research presentations by the scholarship recipients. In addition, a scholarship recipient who has been employed by a chemical company gave a lecture on what is required of a doctoral student in a company, their attitude toward work, and what they hope students will work on during their school days. After the forum, a reception was held with the participation of member company participants and presenters. We received a great deal of positive feedback from the students, who expressed that introducing their research to companies and professors was a valuable opportunity to present themselves and their work, that hearing stories from peers and alumni working in the industry was inspiring for their own research and career paths, and that the networking event allowed them to have candid conversations with company representatives, providing helpful insights often hard to obtain during typical job hunting.

Supporting job search activities:

JCIA held the Student-Company Exchange Meeting 2024 in Tokyo and Osaka in October to support the job search of doctoral students. A total of 54 doctoral students from supported majors and 35 member companies participated in the event, which featured presentations by students on their research, as well as company presentations by participating companies. Participants visited the poster presentations of students and company booths of their respective interests and deepened mutual exchanges.

Scene from the Industry-Academia Exchange Meeting venue

Providing chemical industry education:

With the cooperation of member companies, we offer the Chemical Industry Course to supported majors upon request in order to deepen undergraduate and graduate students' understanding of the chemical industry. Employees of member companies who are active on the front lines of chemical companies serve as lecturers, giving lectures on the past, present, and future of the chemical industry from their perspective as solution providers, the themes that companies are currently focusing on, and the appeal of the chemical industry as felt in their role as lecturers. In FY2024, in addition to face-to-face sessions at Osaka Metropolitan University and the University of Tokyo, which were continued from the previous year, a new online course was offered at Kobe University in the form of an intensive lecture during the summer vacation period. The course is positioned as a means to deepen understanding of the chemical industry, and participants shared feedback such as, "Thanks to the instructors' thorough explanations, I gained a deeper understanding of the differences between university research and research and development at companies," and "By learning about the chemical industry's supply chain and internal departments, I was able to understand the specific work conducted at chemical companies and form an image of the working environment.

Calling for applications and screening supported major:
In September 2024, there was a call for the 15th applications for support in FY2025. At the Screening Committee meeting held in December, six majors (all re-selected) were selected to receive support starting in FY2025.

The Chemistry Personnel Cultivation Program has been highly praised by industry, academia, and the government as an initiative that educates and makes use of people with advanced science knowledge ahead of other industries. In FY2024, ten scholarship recipients in supported majors completed their doctoral program, and all of them were employed by companies. Of those, eight were hired by our member companies.

In addition, the number of scholarship-supported graduates of the Chemistry Personnel Cultivation Program has reached a total of 129, and 103 of them are active in industry, including 57 who have been employed by our member companies.

Through the Chemistry Personnel Cultivation Program, we will work to further strengthen the partnership between industry and academia and move forward with more extensive support activities.

Chemistry Personnel Cultivation Program website
https://www.nikkakyo.org/Jinzai_ikuseiProg/

Dream Chemistry 21 Project (for elementary and junior and senior high school students)

The Dream Chemistry 21 Project is a campaign initiative launched in 1993, organized by a committee formed by four organizations: the Chemical Society of Japan, the Society of Chemical Engineers, Japan, the Japan Association for Chemical Innovation, and the Japan Chemical Industry Association. To convey the wonder and enjoyment of chemistry to children and to encourage their interest in chemistry, the project offers and supports age-appropriate events such as hands-on participatory events for elementary school students like the "Kids' Chemistry Experiment Show" and "Why? What? Science Experimental Lab," as well as competitions for middle and high school students to test their chemistry knowledge and skills, including the "Chemistry Grand Prix" and the selection and dispatch of representatives to the "International Chemistry Olympiad" in order to foster the next generation of leaders in chemistry. International Chemistry Olympiad, in order to foster the next generation of leaders in chemistry. Please visit the "Dream Chemistry 21" website and see page 22 of this report (Activities of the Dream Chemistry 21 Project in FY2024) for detailed information about the activities.

Dream Chemistry 21 Project official website
https://www.kagaku21.net/

Chemical Risk Forum and Risk Assessment Seminar (for working people)

Since 2008, JCIA has been hosting the "Chemical Risk Forum," a training course for practitioners conducting chemical risk assessments, and since 2018, it has been offering two course options: a general course allowing participants to choose between attending in person or online, and an in-house distribution course designed for broad use in corporate training programs. In FY2024, we held a total of 10 lectures covering the fundamentals of risk assessment, training on necessary risk assessment tools, and updates on chemical regulations both domestically and internationally (with the second lecture of the seventh session delivered via video later due to instructor circumstances), and approximately 4,000 participants attended these sessions in total.

Additionally, the "Risk Assessment Seminar," consisting of beginner and practical sessions tailored to meet the worker risk assessment requirements mandated by the Industrial Safety and Health Act, was held jointly with the Chemical Risk Forum. The beginner session covered essential knowledge of chemical management and risk assessment methods, while the practical session introduced simple chemical measurement techniques for the workplace and key points of the amendments of the Industrial Safety and Health Act revision, and a total of 111 participants attended these sessions.

List of lectures and seminars

Name of lecture or seminar	Mission	Frequency
Security Export Control Seminar	Provide introduction to export of products and manufacturing technologies based on the Foreign Exchange and Foreign Trade Act	Once a year
Training for Chemical Plant Production Site Leaders	Learn about the mindset required of production site leaders at chemical plants and the concept of process safety capabilities to achieve safety at production sites, not only through lectures but also through case studies and exchange of opinions among participants	Four times a year
Safety Management Seminar For Transportation of Dangerous Goods	Acquisition of knowledge on land, sea, and air transportation of dangerous goods	Once a year
Chemical Risk Forum	Training of practitioners in risk-based chemical substance management (annual series of 10 educational seminars)	May to February of the following year (10 times/year in total)
Issues in International Commerce Seminar	Explain the anti-dumping system, rules of origin, unfair trade practices report, EPA/FTA, and so on	Once or twice a year
Tokyo Industrial Safety Course	Develop managers who can understand future safety in the oil and chemical industries, and safety experts who have a broad purview (11-part lecture series)	November to March of the following year (11 times/year in total)
Human Resources & Labor Management Staff Development Seminar	Cultivate leaders in the HR and labor affairs divisions who are responsible for the next generation of workers (a series of 8 seminars)	May to December (8 times/every other year in total)
Lecture on the Importance of Standardization	Teach and spread the importance of standardization through lectures that have a different theme every year	Once a year
Risk Assessment Seminar (using BIGDr.Worker)	Learn how to perform risk assessment using BIGDr.Worker and acquire skills for conducting risk assessments that include mixtures	Twice a year
Risk Communication Training	Improvement of communication skills in community dialogue (ability to understand the other person's position and values and to respond appropriately to unexpected questions)	Once a year

Activity Report: Responsible Care (RC) Committee

Committee Chairman, **HOSHINO Kenji**
Executive Officer, UBE Corporation

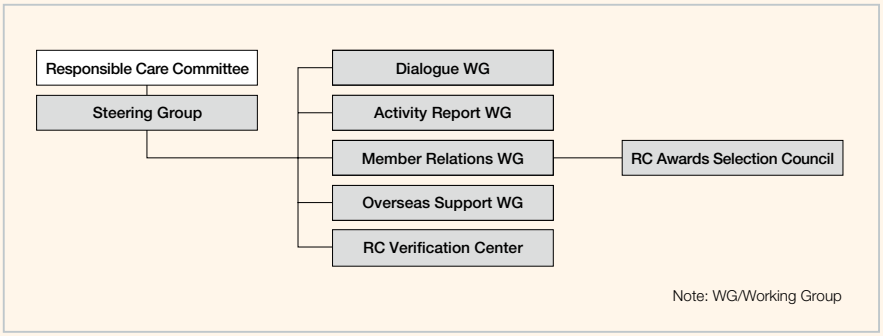
MESSAGE

Contributing to society through RC activities based on responsibility and cooperation

Our committee aims to strengthen initiatives related to the environment, health, and safety under the principles of Responsible Care, in order to achieve sustainable corporate growth and fulfill our social responsibilities. This philosophy serves as a vital guideline for taking responsibility for the impact of our business activities and for building a sustainable society for future generations. This fiscal year, we will continue to enhance collaboration with member companies through the provision of practical information and networking opportunities related to RC activities, while implementing effective initiatives and measures.

Activity Outline

The purposes of the RC Committee are to support member's RC activities, to help improve further society's trust in members and in the chemical industry, and to contribute to the sustainable progress of the chemical industry and of society. Toward this target, the Committee focuses its efforts on supporting the continuation of RC activities and tackling the important tasks of stimulation and expansion of the range of these activities.



Note: WG/Working Group

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RC Activity Report Meeting

The Responsible Care (RC) Committee established by the Japan Chemical Industry Association (JCIA) held the "2024 JCIA RC Committee Activity Report / RC Award lecture" in June. This event featured presentations from the winners of the 18th JCIA RC Award, with the aim of providing member companies with insights and best practices to reference in their own RC activities. As in previous years, the event was conducted via a web conference connecting the award-winning companies, JCIA headquarters, and participants, and over 210 people attended. First, at the beginning of the lecture session, Masahiko Hirao, Senior Research Fellow at the University of Tokyo Research Center for Advanced Science and Technology and Chair of the Judging Committee, delivered the keynote address, providing an evaluation of this year's RC Award and presented on the theme "Responsible Care Activities Contributing to the Creation of a Sustainable Society." Afterwards, representatives from five companies, including Asahi Kasei Corporation's Nobeoka Branch Office, which received the RC Grand Prix Award, two companies that received the RC Jury's Special Award (Kao Corporation and Mitsubishi Gas Chemical Company, Inc.), and two companies that received the RC Outstanding Award (Mitsui Chemicals Sun Alloys Co., Ltd. and DIC Corporation) gave presentations on their award-winning initiatives. Each represented an excellent initiative, which included "measures and safety education to prevent accidents involving entanglement and falls," "strengthening security and disaster prevention efforts for the local community," "promoting communication with the local community," "improving operations through digitalization," and "promoting autonomous management of chemical substances," and these initiatives can be used as a reference for RC activities conducted by other companies. Additionally, numerous questions were raised after the presentations, reflecting the high level of interest among participants in RC activities. It is our hope that these discussions will lead to new initiatives in each company's future activities.

Risk Communication Training

The RC Committee conducts Risk Communication Training to make the community dialogues carried out by member companies across the country more effective. This training, which is held annually, aims to help participants understand others' perspectives and values and acquire communication skills that enable them to respond appropriately to unexpected questions. In FY2024, the training was held at a training facility in Osaka City for two days from September 2 to 3, with 25 participants from member companies.

On the first day, after participants attended a lecture titled "Introduction to Risk Communication" by Professor Akemi Ori of Sophia University, they were divided into four teams and took turns posing

questions from the perspectives of various stakeholders. Through this exercise, they became aware of perception gaps, considered what information and responses should be provided to address different concerns, and explored how a business site should respond to stakeholder inquiries. Next, each team prepared presentation materials for a mock presentation to residents on their respective themes, and at the same time, decided on facilitators, plant managers, and other roles, and developed scenarios for facilitating dialogue.

On the second day, participants took on the roles they had agreed upon on the first day and conducted a mock dialogue exercise. Participants aimed to increase the questioners' sense of satisfaction by responding appropriately to challenging questions from the instructor, training staff, and other teams while always considering the questioners' perspectives and values. Additionally, by switching roles and responding to questions from different viewpoints, participants honed their practical skills and worked to improve their abilities.

We hope that the participants will take this experience back to their respective workplaces and use it to improve trust with local residents and other stakeholders in future community dialogues and other activities.

TOPICS — 1

Consumer Dialogue Meetings

The RC Committee holds "Consumer Dialogue Meetings" in Tokyo and Osaka to provide a forum for candid exchange of opinions between consumer groups and chemical companies. In FY2024, the 28th Tokyo Area Consumer Dialogue Meeting was held on December 3 at Mitsubishi Chemical Corporation's Kanto Plant, followed by the 21st Osaka Area Consumer Dialogue Meeting on December 6 at Kaneka Corporation's Osaka Plant, and both meetings were conducted in a face-to-face format.

In both regions, the first half of the day featured tours of the respective plants and factories along with introductions to RC activities, while the second half of the day consisted of topics presented by the companies, a Q&A session on each topic, and a general exchange of opinions by all attendees.

TOPICS — 2

RC Activity Exchange and Liaison Meetings

To share best practices of RC activities undertaken by member companies, we hold member exchange meetings consisting of two parts: lectures by RC award-winning companies and opinion exchange sessions. In FY2024, these meetings were held in two locations, Tokyo and Osaka, with a total of approximately 50 participants. Particularly during the opinion exchange sessions, participants who expressed interest in pre-selected themes engaged actively in group discussions, sharing their company's initiatives and exchanging views. Moving forward, we plan to continue addressing timely themes to further energize RC activities.

TOPICS — 3

Overseas Support Activities

In FY2024, we continued to support the RC activities of Japanese-affiliated local subsidiaries in Southeast Asia by holding executive seminars and workshops for local staff in Thailand, Indonesia, and Malaysia. In addition to those countries, we held a workshop in Vietnam for the first time in FY2024.

In addition, an on-demand delivery system has been implemented e-learning materials for overseas training (18 courses available in English, Thai, Indonesian, and Vietnamese), and operations are scheduled to begin in FY2025.

Activity Report: Environment and Safety Committee

MESSAGE

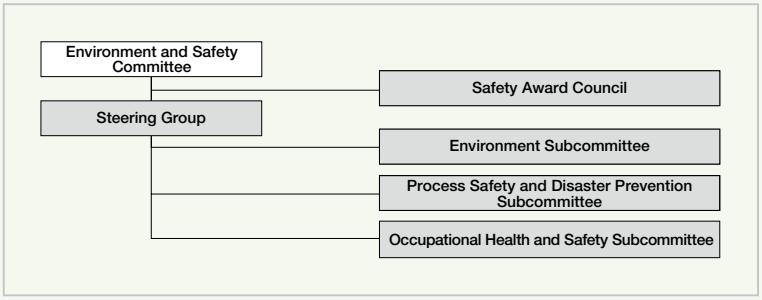
Safety and environmental considerations during manufacture of chemical products are the top priority

We are addressing various issues related to the environment, health, and safety in the chemical industry under the Principles of JCIA regarding the Environment, Health and Safety, with environmental protection, process safety and disaster prevention, occupational health and safety, and distribution safety as the most important issues. In addition, we will keep abreast of the latest domestic and international trends and actively disseminate information to our members in order to keep them informed, as well as to voice our opinions in consideration of the situation of the chemical industry. Through the implementation of voluntary activities, we will produce appropriate results, thereby continuously enhancing the trust of society in the chemical industry as a whole.

Committee Chairman, **SHIMPO Naobumi**
Corporate Officer, Resonac Holdings Corporation

Activity Outline

The Environment and Safety Committee promotes environmental protection, process safety and disaster prevention, occupational health and safety, and distribution safety, which are the pillars of responsible care. The committee supports the autonomous activities of its member companies by sponsoring various lectures and safety awards, and it also disseminates and shares useful information from administrative authorities and related organizations through its three subcommittees, and collects members' opinions and requests and submits them to administrative authorities and other organizations.



FOCUS

Environmental Protection Initiatives

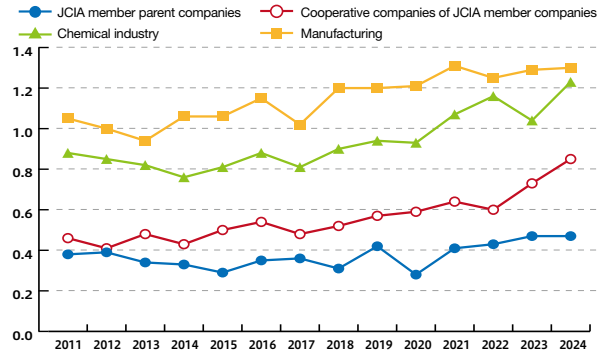
The Environment Subcommittee meets monthly, primarily through online meetings. Key initiatives include promptly sharing information on environmental regulatory trends with members and ensuring that these are effectively reflected in their environmental conservation activities. Additionally, we consolidate member opinions and requests, aggregate the chemical industry's views, and work to have these reflected in national policies and initiatives by relevant organizations.

Furthermore, to achieve carbon neutrality, a circular economy, and nature-positive outcomes, we are formulating voluntary action plans. These plans aim to reduce environmental impact (such as reporting substances under the Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof (Chemical Management Act), substances covered by Japan Chemical Industry Association's independent surveys, and emissions of hazardous air pollutants) and promote resource circulation (including waste reduction and recycling).

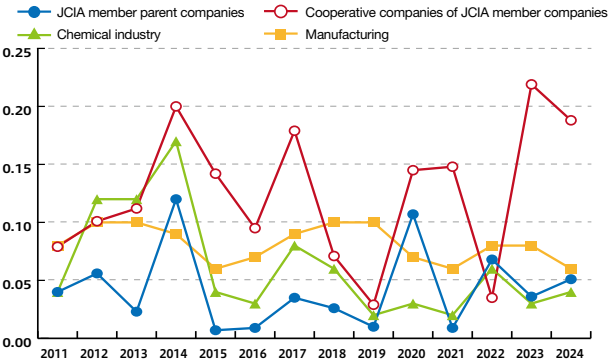
Workplace-Accident Prevention Initiatives

The pillars of JCIA's occupational accident prevention activities are cooperation in the promotion of the 14th Occupational Accident Prevention Plan (14th Prevention Plan) and other occupational health and safety administrative measures, and the sharing of important and up-to-date information among member companies. In particular, as workplace chemical substance management has shifted significantly toward autonomous management, we are carefully gathering information issued by the Ministry of Health, Labour and Welfare and working in cooperation with the authorities to ensure that regulations are implemented in an improved and practical manner. The Occupational Health and Safety Subcommittee, which is the primary stage of its activities, focuses on sharing information with member companies by surveying trends in legal revisions related to occupational health and safety and providing information based on that survey, as well as communicating the

Frequency rate (The frequency of occurrence of industrial accidents.)



Severity rate (Working days lost due to workmen's accident.)



opinions of the member companies to the government. In addition, JCIA will continue to compile the survey on occupational accidents as our voluntary activity, and will also work to reduce the number of accidents involving entanglement and falls in the manufacturing industry.

Safety and Accident-Prevention Initiatives

In order to prevent accidents, the Environment and Safety Committee is making efforts based on the three pillars of support for voluntary efforts by member companies, support for the introduction of smart industrial safety, and cooperation with administrative authorities and related organizations.

As part of our support for voluntary initiatives, the Process Safety and Disaster Prevention Subcommittee organizes accident case study meetings to share security-related accident cases from the chemical industry as well as individual incidents from member companies. In FY2024, we also held six lectures by private-sector and academic experts on the theme of "Indoor Factory and Warehouse Fires." In addition, with the aim of improving industrial safety competency, staff from the Environmental Safety Department served as instructors in the "Training for Chemical Plant Production Site Leaders," providing support for human resource development from both the perspectives of safety infrastructure and safety culture.

As part of our support for the introduction of smart industrial safety measures, the Control System Cyber Security Working Group developed a "Control System Cyber Security Checklist" to help build effective cybersecurity measures. This checklist has been posted on the member section of the JCIA website to ensure broad utilization by member companies. In addition, the "Guidelines for Managing the Distribution of Chemicals Subject to Misuse Prevention," originally established in 1997 in response to the Tokyo Subway Sarin Gas Attacks, were revised with advice from the Ministry of Economy, Trade and Industry and have been published on the JCIA website. Through strict adherence to these guidelines, we aim to prevent not only incidents involving the synthesis of sarin using multiple raw materials and precursors, but also any future terrorist acts or incidents involving the misuse of individual target chemicals. All stakeholders remain firmly committed to working together toward this goal.

TOPICS — 1

Response to Information Transmission Requirements under the Waste Management System

In the "Direction of the Waste Management System" (Central Environment Council Recommendation) report compiled in FY2017, it was pointed out that cases of improper waste treatment had occurred due to insufficient information transfer from waste-generating businesses to disposal contractors. As a result, the need for strengthened information transmission by waste generators was discussed. In April 2025, as a final institutional measure, a ministerial ordinance was promulgated to require the communication of information only on Class I designated chemical substances under the Chemical Substance Control Law, and voluntary efforts on substances subject to other laws (Industrial Safety and Health Act, Chemical Substances Control Act, Poisonous and Deleterious Substances Control Act, and Fire Service Act). A notification period for the intent of the ordinance and the WDS Guidelines (draft) is scheduled during FY2025, followed by enforcement thereafter.

TOPICS — 2

The Safety Symposium

The Safety Symposium is held to help deepen member companies' understanding of occupational safety. The main contents of the symposium include the introduction of safety activities by companies that have received the JCIA Safety Award and the fostering of a safety culture through panel discussions. In FY2024, the event was again held in a hybrid format, combined with online delivery. A total of over 300 participants attended including online participants.

In the first part of the event, presentations on safety activities were given by six plants, including the Hikone Kawase Plant of Resonac Holdings Corporation, which won the Grand Prize. The second part was a panel discussion on the theme of "How to maintain accident-free workplaces, focusing on the role of top management," with exchange of opinions. Panelists included Chairman Suzuki of the JCIA Safety Award Council (Professor Emeritus of Okayama University) and representatives of JCIA safety award-winning plants.

TOPICS — 3

Revision of Laws Related to the Industrial Safety and Health Act

With the 2022 revision of laws related to the Industrial Safety and Health Act, the approach to chemical substance management in workplaces has shifted from the traditional method of imposing individual and specific regulations on certain chemicals to a framework based on sharing information about hazards and toxicity. Under this new system, businesses select appropriate measures to manage chemicals independently, promoting "autonomous management," which came into full effect in April 2024. In response, JCIA participates as a member of the Ministry of Health, Labour and Welfare's study groups and working groups to share and disseminate the latest trends and information to its member companies, as well as to compile opinions from member companies and submit them as the opinions of the chemical industry. We have also created industry- and work-specific manuals and protective equipment selection manuals, and are developing new chemical substance management promotion and awareness activities. In addition, we participate in the activities of the Chemical Protective Glove Research Group to help practitioners in the field select and use appropriate protective equipment.

TOPICS — 4

Lecture on Tsunami and Disaster Prevention

In conjunction with World Tsunami Awareness Day on November 5, we co-host an annual lecture on tsunami and disaster prevention together with the Petroleum Association of Japan and the Japan Petrochemical Industry Association. In FY2024, a lecture titled "Process Safety and the Management of NATECH" was held on industrial disaster prevention from natural disasters, attracting as many as 180 attendees.

TOPICS — 5

Status of Study on Proper Disposal of Low-concentration PCB Waste

Under the Act on Special Measures Concerning Promotion of Proper Treatment of PCB Wastes, the disposal deadline for low-concentration PCB waste is set as March 31, 2027. Currently, as part of the proposed regulatory measures to ensure compliance with this deadline, discussions are moving in the direction of "not extending the disposal deadline" for items that have become waste as of FY2026 and "permitting the extension of the disposal deadline by requiring notification and strengthening management" for equipment that is still in use.

Activity Report: Chemicals Management Committee

MESSAGE

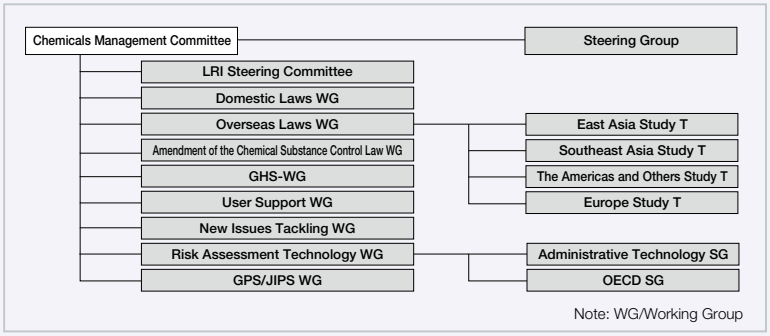
Establishing chemicals management as a business strategy

The basic policies are to strengthen support for chemicals management in business activities and to further spread and expand voluntary contributions from the industry. The Chemicals Management Committee is conducting a variety of activities, such as dispatch of information related to chemical management to member companies and compliance to the revision of related laws and regulations in Japan and overseas. Regarding legal compliance in Japan, JCIA participates in governmental committees and working groups on behalf of the chemical industry, and offers opinions to relevant authorities. JCIA also aims to strengthen our support activities with the aim of establishing and disseminating more efficient and sophisticated risk assessment technologies.

Committee Chairman, **SAKURAI Kazumitsu**
Director, Executive Officer, Mitsubishi Chemical Corporation

[Activity Outline]

In addition to disseminating information on trends in chemicals management regulations in Japan and abroad and submitting opinions to administrative authorities based on the opinions and requests of our members, the Chemicals Management Committee also promotes GPS/JIPS and support research that leads to the safety and security of chemicals. In particular, we are engaged in activities such as participating in the Working Group on System Development of the Industrial Structure Council, formulating implementation plans to achieve the Global Framework on Chemicals (GFC), and submitting opinions to the Intergovernmental Negotiating Committee (INC) on plastic pollution.



FOCUS

Trends in Domestic Chemicals Laws and Regulations, and Our Responses

In addition to promptly providing information related to domestic chemical management regulations to our members, JCIA collects the opinions of our members and submits them to the administrative authorities.

In accordance with the Act on the Regulation of Manufacture and Evaluation of Chemical Substances (Chemical Substance Control Law), JCIA confirms the validity of the risk assessment of chemical substances after they are put on the market in cooperation and collaboration with the related organizations and the member companies that handle the substances concerned, submits the opinions to the authorities, and provide information about the results of deliberations. In addition, since January 2024 marks five years since the last revision (full enforcement) of the Chemical Substance Control Law, a review meeting was held in FY2024 hosted by the three ministries of the Ministry of Economy, Trade and Industry, the Ministry of the Environment, and the Ministry of Health, Labour and Welfare to review the previous revision and to discuss future issues for consideration. JCIA also participated as a committee member and proposed requests based on members' feedback.

Under the Industrial Safety and Health Act, substances subject to labeling and notification requirements have been expanding annually since 2024. By 2026, this scope is expected to extend to substances with relatively low hazardous properties, significantly impacting the notification of component names in mixtures (formulations). JCIA has submitted its opinion on the expansion of trade secret information protection to the administrative authorities, and the opinions of its members were reflected in the "Interim Report of the Expert Committee on Chemical Substance Management" published in August 2024, which led to the revision of laws and regulations in the direction of introducing a trade secret information protection system.

We promptly catch trends in chemical regulations related to the "Act on the Assessment of Releases of Specified Chemical Substances in the Environment and the Promotion of Management Improvement," "Poisonous and Deleterious Substances Control Act," "Act on Securing Quality, Efficacy and Safety of Products Including Pharmaceuticals and Medical Devices," and "Narcotics and Psychotropics Control Act," etc., and provide the information to our members.

Trends in International Chemicals Regulations, and Our Responses

In addition to keeping abreast of the latest trends in chemicals management regulations in each country and providing information to our members, we strive to understand the status of responses and concerns of members companies. In addition, we collect opinions and submit them to the authorities as necessary. In FY2024, we held two seminars on regulatory trends in Europe and submitted opinions to policymakers in Europe, South Korea, Vietnam, Peru, and other countries. In particular, regarding the revision of Vietnam's Law on Chemicals, we engaged in direct discussions with the authorities both during their visit to Japan and on-site in Vietnam. We also cooperate with Japanese authorities by providing information and exchanging opinions on regulatory trends in Europe and the efforts of our members to help them gain a prior understanding of industry concerns.

GHS Trends, and Our Responses

On November 28, 2024, JCIA, together with the Japan Automobile Manufacturers Association and the Japan Business Federation (Keidanren), held a large-scale seminar aimed at deepening understanding of SDS across the entire supply chain, including the chemical industry, to promote more appropriate use of SDS.

Additionally, the domestic standards for GHS, JIS Z 7252:2019 and JIS Z 7253:2019, reached five years since their last revision. As required by the Industrial Standardization Act, a review for revision was necessary. Accordingly, the GHS-WG and JIS Revision TF have been progressing discussions on these revisions. Based on the 9th revised edition of the United Nations GHS document, it was decided to revise both JIS standards. Using the draft JIS proposals created in FY2023 as a foundation. we held a JIS Draft Preparation Committee in FY2024 involving users of these JIS standards, experts, and government authorities, and prepared draft documentation of the JIS. To disseminate information on the contents of the revision, multiple briefing sessions were conducted both inside and outside of JCIA.

TOPICS — 1

LRI Activities

The Long-range Research Initiative (LRI) is an initiative launched by the ICCA to study the effects of chemical substances on human health and the environment as a global voluntary initiative underway through cooperation among chemical industry associations in Japan, the United States, and Europe.

In FY2024, in light of international issues and trends related to chemical substance management, we have solicited the ICCA-LRI Global Research Strategy, and based on the JCIA LRI Mid-Term Research Strategy, research topics in the areas including NAMs (New Approach Methodologies), exposure prediction methods for humans, environmental risk assessment, safety evaluation of chemicals with new properties, and evaluation methods to solve issues in regulatory use, and have adopted four new research projects.

The findings of LRI research are reported at the annual research meeting, which was held on August 23, 2024. In addition to reporting the results of completed research projects and progress updates on ongoing projects, we held a symposium under the theme “Towards the Realization of the New Chemical Management Framework GFC (Global Framework on Chemicals) - Efforts to Achieve a Circular Economy,” where we invited experts from industry, government and academia, and engaged in discussions with them. Furthermore, the JCIA LRI Awards recognize researchers with outstanding research achievements, and in FY2024, the 10th LRI Award of the Japanese Society of Toxicology was given to Associate Professor Yo Shinoda (Faculty of Pharmaceutical Sciences, Tokyo University of Pharmacy and Life Sciences), and the 9th LRI Award of the Japanese Society for Alternatives to Animal Experiments to Professor Nobuhiko Kojima (Graduate School of Nanobioscience, Yokohama City University).

Global Research Strategy

TOPICS — 2

FY2024 JIPS Awards

JCIA presents the JIPS Award to member companies that have made outstanding efforts in voluntary activities related to risk assessment and risk management of chemicals in consideration of the supply chain (JIPS activities). The JIPS Awards for FY2024 were reported at a meeting of the Chemicals Management Committee held on March 3, 2025, with Resonac Holdings Corporation winning the Grand Prix Award and Kao Corporation winning an Outstanding Award.

Grand Prix Award: Mr. Ogawa, Resonac Holdings Corporation

Outstanding Award: Mr. Hayashi, Kao Corporation

TOPICS — 3

Chemical management in the Supply Chain

To promote appropriate chemical management in the supply chain, JCIA has provided support for development of an appropriate management infrastructure related to domestic and international promotion of the chemSHERPA, a scheme to facilitate sharing of information on chemical substances contained in products, operated and managed by the Joint Article Management Promotion-consortium (JAMP). We also responded to the Global Automotive Declarable Substance List (GADSL) prepared and maintained by the Global Automotive Stakeholders Group (GASG), whose membership represents automakers, auto parts makers, and chemical companies in Japan, North America, and Europe through means including submittal of opinions on its maintenance and management, from the standpoint of the chemicals industry. Furthermore, we also cooperated in maintenance and preparation of international standards through participation in organizations including the Japan committee and working group for the TC111 international environmental standard on electric and electronic devices, being advanced by the electric and electronics industry, including the Japan Electronics and Information Technology Industries Association (JEITA). In addition, we participated in discussions on defining requirements and establishing rules for the new Chemical and Circular Management Platform (CMP), which serves as a platform for information on chemical substances contained in products and resource circulation.

Activity Report: Technical Affairs Committee

Committee Chairman, **KAWASE Masatsugu**
Director & Primary Executive Officer, Asahi Kasei Corp.

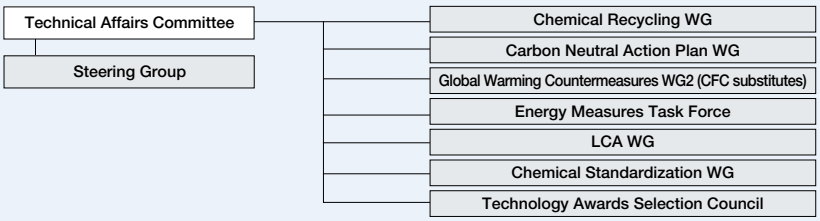
MESSAGE

Initiatives for a carbon-neutral, carbon-circulating society

In order to realize CN by 2050, we will continue to make various efforts in line with the government's GX policies, such as the "Plan for Global Warming Countermeasures" and the "GX 2040 Vision." In addition, we will promote the role of the chemical industry as a solution provider that contributes to the reduction of CO_2 emissions in a wide range of areas through its products, technologies, and services to realize a carbon-recycling society and to promote greater social recognition. As the Technical Affairs Committee, we will strive to achieve these goals by further deepening cooperation among our members.

Activity Outline

We actively participate in activities related to the prevention of global warming and resource recycling strategies, addressing a wide range of challenges. Furthermore, we advocate the role of the chemical industry as a solution provider in global warming through our response to the government's GX promotion policy, CR standardization, registration system of recycled chemical materials, LCA awareness and dissemination activities, and E&CC LG activities.



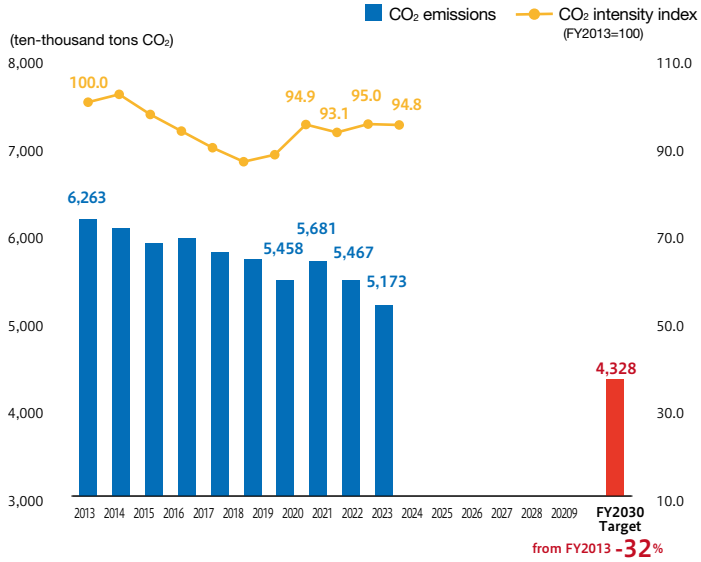
Note: WG/Working Group

FOCUS

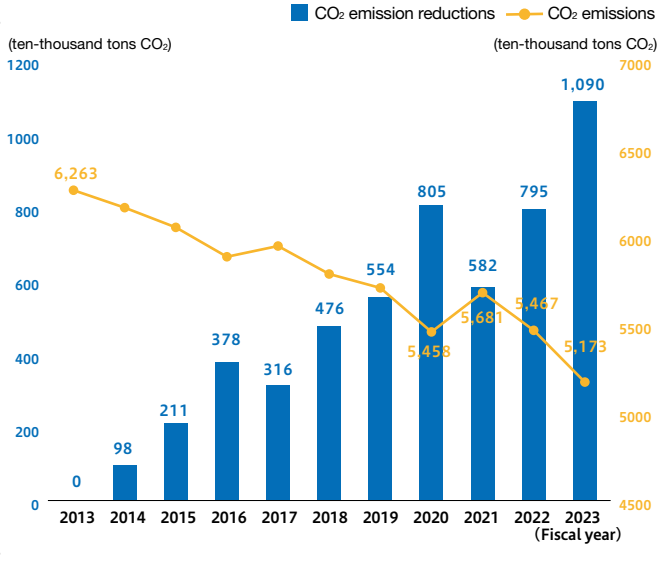
Carbon Neutral Action Plan FY2023 Results

The Technical Affairs Committee has compiled data and initiatives submitted by participating companies and organizations (266 companies and 2 organizations) into the "FY2024 Survey Report on the Carbon Neutral Action Plan." In FY2023, CO_2 emissions totaled 51.73 million tons. This represents a reduction of 10.90 million tons (17.4%) compared to FY2013 and 2.94 million tons (5.4%) compared to FY2022. The CO_2 reduction target for FY2030 is a 32% decrease from FY2013 (base year), and the current progress toward this goal stands at 54%. The CO_2 emissions intensity index in FY2023 improved by 5.2 points from FY2013 and by 0.2 points from FY2022. The "FY2024 Survey Report on the Carbon Neutral Action Plan" has been submitted to Nippon Keidanren (Japan Business Federation) and the Ministry of Economy, Trade and Industry, and has been appropriately reviewed and evaluated by the Third-Party Evaluation Committee of Nippon Keidanren.

CO_2 emissions and intensity index



CO_2 emission reductions and emissions

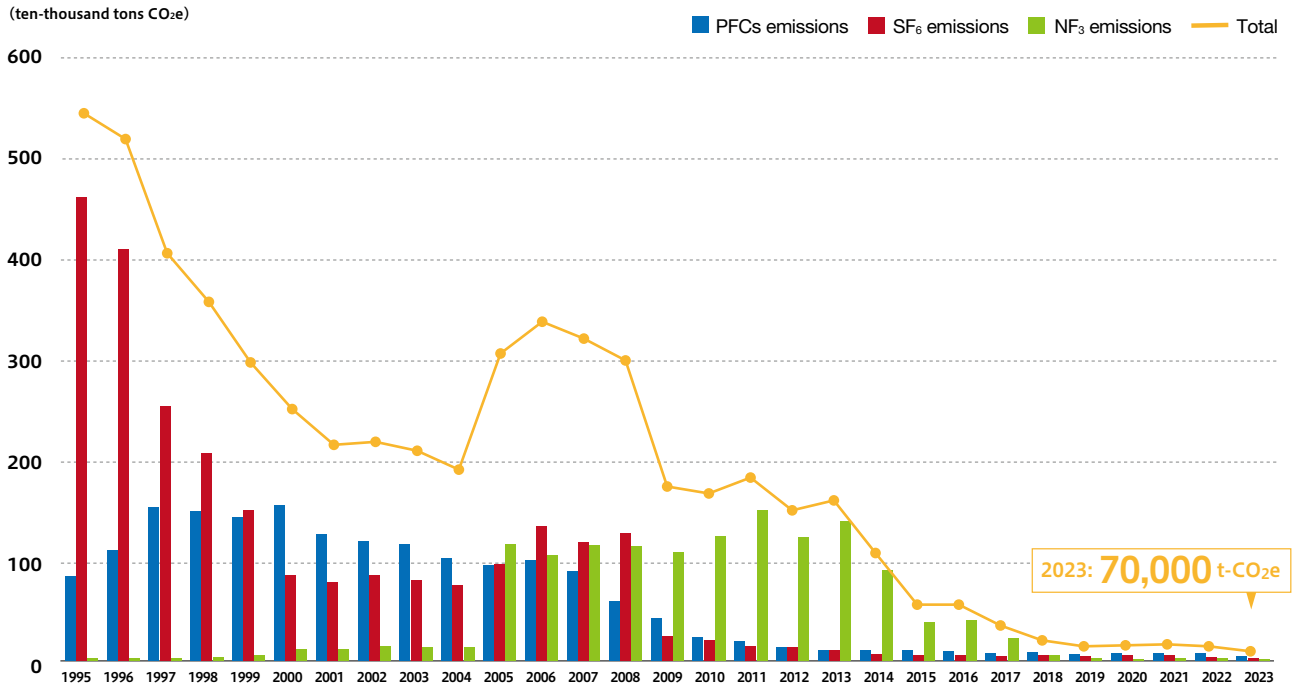


Reduction of Emissions of Three CFC

Efforts to reduce emissions of three gases (PFCs, SF_6, and NF_3) by 2023 compared to the base year of 1995 achieved the 2030 target for all three gases (PFCs: 98% against 90% reduction by 2030; SF_6: 99% against 90% reduction by 2030; NF_3: 99% against 85% reduction by 2030).

Efforts to reduce emissions during the production of the three gases were reported as having achieved their targets by industry sector to the "Working Group on CFC Measures of the Subcommittee on Chemical Substances Policies of the Industrial Structure Council's Committee on Safety for Industrial and Consumer Products."

PFCs, SF_6, and NF_3 emitted during manufacturing process



TOPICS — 1

Activities Related to LCA

To further promote the use of the "Guidelines for CFP quantification of products in the chemical industry," published in March 2023, the Technical Committee developed and released tools such as CFP information-sharing sheets and product-specific calculation/disclosure support materials, along with an FAQ casebook, to member companies. The committee has supported activities related to LCA and CFP calculations of each member company by starting to provide regular information through "CFP Net," an e-mail magazine for members. Furthermore, the committee examined methods and rules for incorporating LCA evaluation approaches into the guidelines for key carbon-neutral strategies, such as shifting toward the use of biomass-based raw materials, recycling of used chemical materials, and application of the mass balance method, and held a seminar on the latest trends in LCA evaluation focused on biomass and recycling.

TOPICS — 2

Chemical Recycling (CR)

Based on the concept that it is important to build a sustainable society by utilizing all carbon sources and recycling them into a wide range of chemical products, we believe it is important to design strategic international rules and ensure consistency in the efforts of each company, and we are promoting CR by discussing strategic standardization and domestic certification systems with an eye to creating the recycling market and social implementation.

The CR International Standardization TF, led by Japan, completed the development of an ISO standard and finalized the Final Draft International Standard (FDIS). In addition, we have begun deliberations on the development of standards that will define the detailed content following the current draft standards. The CR Domestic Certification System TF has launched a trial operation of the "registration system of recycled chemical materials," primarily involving member companies of the JCIA, and this initiative aims to enhance public awareness of recycled products and accelerate the social implementation of chemical recycling in Japan, from the perspective of promoting carbon resource circulation.

Activity Report: Public Relations Committee

Committee Chairman, **NISHIMOTO Naoya**
HEAD OF CORPORATE COMMUNICATION DEPARTMENT, SEKISUI CHEMICAL CO., LTD.

MESSAGE

Aiming to further enhance the presence of chemistry and the chemical industry

The chemical industry, which supplies products with a wide variety of functions, is expected to contribute to the realization of carbon neutrality by 2050 as a solution provider for various issues. The Public Relations Committee will widely disseminate information on JCIA's activities and the Dream Chemistry 21 project, and will communicate with society to convey the value of innovation produced by the chemical industry and to contribute to the acceleration of its implementation in society.

Activity Outline

The Public Relations Committee shares information about the chemical industry's efforts to achieve a sustainable society and JCIA's major activities through the media. The committee also uses chemistry-related participatory events and SNS to communicate the usefulness and attractiveness of chemistry to young people.

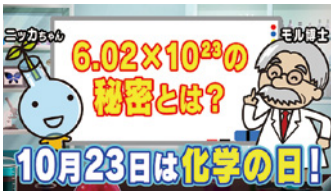
Public Relations Committee
└ Chemistry Day Promotion WG

Note: WG/Working Group

FOCUS

Communication with Society Through Various Media

JCIA disseminates information through press conferences, press releases, and its website regarding the chemical industry's efforts toward achieving a sustainable society, as well as JCIA's major activities. In FY2024, efforts were made to promote broader public understanding through initiatives such as the launch of the trial operation of the registration system of recycled chemical materials, the follow-up investigation report on the Carbon Neutral Action Plan, and engagement with the Intergovernmental Negotiating Committee (INC) toward the establishment of an international treaty to end plastic pollution. In the "PR Net" newsletter for members, we continuously featured topics such as Responsible Care activities, LRI initiatives, and efforts in human resource development. We also use SNS to disseminate the power, possibility, and fun of chemistry with the aim of improving the presence of chemistry. In FY2024, videos on miscellaneous topics related to elements and chemistry are distributed monthly to arouse interest in chemistry and promote the usefulness and attractiveness of chemistry. We hope you will take a look.



YouTube | TikTok | Instagram | X (Twitter)

TOPICS

Promoting "Chemistry Day" Discussion with Mr. Genki Ichioka from GENKI LABO

On November 29, 2024, a discussion was carried out between Director General Shindo of the JCIA and Mr. Genki Ichioka of GENKI LABO to promote "Chemistry Day." Mr. Genki is a highly popular science YouTuber who runs the YouTube channel GENKI LABO, which has over 1.04 million subscribers. He also hosts numerous science shows and hands-on experiment workshops across Japan. This discussion was conducted as a follow-up project to the joint advertisement by JCIA member companies promoting "Chemistry Day," which was published in the morning edition of the Asahi Shimbun on October 23, 2024. The discussion took place in a friendly and relaxed atmosphere throughout, with an active exchange of ideas on initiatives to promote "Chemistry Day" and efforts to help more people understand the wonders and importance of chemistry. The contents of the discussion can be found via QR code. We hope you will take a look.

Activities of the Dream Chemistry 21 Project in FY2024

The Dream Chemistry 21 Committee, consisting of JCIA, the Chemical Society of Japan, the Society of Chemical Engineers Japan, and the Japan Association for Chemical Innovation, has designated October 23 as Chemistry Day and the week including that day as Chemistry Week to implement and support related events. The committee also organizes various events to convey the wonder and fascination of chemistry to children and to encourage their interest in the field.

EVENT

Summer Kids' Chemistry Experiment Show 2024

The "Summer Kids' Chemistry Experiment Show" is a hands-on, participatory event that has been held since 1993 with the aim of giving children the opportunity to experience the wonder, fun, and enjoyment of chemistry, and to spark their interest in the subject. In FY2024, the event was held from August 3 to 4 at the Science Museum in Tokyo. A total of 4,200 people visited the venue over the two days, and on both days, all same-day reservation slots for the experiment classes were fully booked by the morning. The participating children enjoyed learning about chemistry through hands-on experiment classes hosted by 15 companies and organizations, as well as the stage event "Why? What? Chemistry Quiz Show." The official mascot of the "Kids' Chemistry Channel," Chemistry Man, made an appearance at the venue, and was photographed with children for commemoration.

Kid's Chemistry Channel

In the FY2024, the "Kid's Chemistry Channel" launched a new segment titled "Chemical Entertainer: Chemistry Man." Through chemistry experiments, Chemistry Man introduces children to the fun, enjoyment, and importance of chemistry in a series of educational videos.

Dispatch of Students to the Chemistry Grand Prix and International Chemistry Olympiad

The "Chemistry Grand Prix" is a nationwide competition in which junior and senior high school students compete in chemistry every year (co-hosted with the Chemical Society of Japan). In FY2024, 2,694 applicants participated in the first round of selection (multiple-choice exam), from which 71 individuals advanced to the second round held from August 20 to 22. In the second round, applicants took a written test involving experiments, and the five applicants with the highest overall scores were awarded the Grand Prix Award. Additionally, top-scoring winners of the "Chemistry Grand Prix 2023" were sent to the 56th International Chemistry Olympiad held in Saudi Arabia from July 21 to 30, 2024. A total of 327 participants from 90 countries and regions attended, and the four students representing Japan achieved excellent results with two gold medals and two silver medals. On July 31, the representative students paid a courtesy visit to the Ministry of Education, Culture, Sports, Science and Technology, where they were awarded the Minister's Award.

Why? What? Science Experimental Lab

The "Why? What? Science Experimental Lab" is an interactive event for children from 1st to 4th grade, where they experience the wonders of science and think about why things happen. This popular event consistently attracts many applicants each time it is held. In FY2024, 218 elementary school students experienced the fun of chemistry experiments through six sessions.

Activity Report: International Activities Committee

Committee Chairman, **KAMEZAKI Takahiko**
Director, Executive Vice President, Tosoh Corporation

MESSAGE

Gathering information on trade issues and dealing with unfair trade

While free trade agreements and Economic Partnership Agreements (EPAs) are expected to be utilized, the international trade environment is changing due to factors such as U.S. tariff measures, market-distorting industrial subsidies, and issues related to business and human rights. In this environment, we will work with the government to propose the intentions of chemical companies regarding the use of EPAs, correction of unfair trade, trade remedy measures, and requests for tariff revision. We will also continue to work on realization of a sustainable society and development of the chemical industry through activities at ICCA and exchanges with overseas business organizations.

Activity Outline

The committee strives to ascertain trade issues related to the chemical industry and provide information to member companies. In addition, JCIA is addressing international issues by lobbying authorities to reflect the intentions of the domestic chemical industry, strengthening relations with overseas chemical-related organizations such as China and South Korea through chemical dialogues, and participating in the management of ICCA.

International Activities Committee
↓
Steering Group

FOCUS

Japan-China Chemical Dialogue Held in Japan

In November 2024, the 7th Japan-China Chemical Dialogue was held in Tokyo. This dialogue has been held since 2015 by the three organizations, JCIA, Japan Petrochemical Industry Association (JPCA), and the China Petroleum and Chemical Industry Federation (CPCIF), with the aim of development of the chemical industry of both sides through strengthening relations between the Japanese and Chinese chemical industries. After a four-year absence due to the impact of the COVID-19 pandemic, the dialogue resumed in-person meeting in Ningbo, China in 2023, and in 2024, the event was carried out in a face-to-face style in Japan for the first time in five years.

Approximately 60 representatives from Japan attended the dialogue, including JCIA Chairman Iwata, Vice Chairmen Hashimoto and Noda, JPCA Chairman Kudo, top executives and employees of domestic chemical companies, executives from Chinese local subsidiaries, and related associations, and from China, 26 key figures from the chemical industry participated, including CPCIF Vice Chairman Fu and Party Committee Standing Member and Deputy Secretary-General Pang.

On the day of the dialogue, after the plenary session by leaders from both Japan and China covering (1) Current Economic Operation of Chemical Industry, (2) Future Development Strategies, and (3) Carbon Neutral and Circular Economy, at the themed session involving a wide range of participants from executives to general employees, views on (1) Carbon Neutrality, (2) Circular Economy, and (3) Chemical Management were exchanged.

This dialogue provided an opportunity to deepen mutual understanding between the Japanese and Chinese chemical industries and to confirm our commitment to continue exchanges toward further development and a sustainable society.

Chairman Iwata delivering the opening address at the plenary session of the Japan-China Chemical Dialogue.

Vice Chairman Fu delivering the opening address at the plenary session of the Japan-China Chemical Dialogue.

TOPICS — 1

Online lectures delivered to Singapore Chemical Kai (Group) and Thai Chemical Kai (Group)

Singapore Chemical Kai (Group) and Thai Chemical Kai (Group) are composed of local subsidiaries of Japanese chemical companies in Singapore and in Thailand, respectively. In October 2024, JCIA held an online lecture for members of both groups. Inviting a lecturer from the Ministry of Economy, Trade and Industry, we held a lecture titled "The Current Situation and Policy Surrounding the Material Industry in Japan." The lecture covered the latest developments on various themes, including negotiations at the Intergovernmental Negotiating Committee (INC) related to the plastic pollution treaty, responses to environmental regulations in Europe, and initiatives toward green transformation in the materials sector. The event was well attended with 74 people registering to participate.

TOPICS — 2

Holding a Hybrid Seminar on Rules of Origin

Every year, JCIA invites instructors from the Tokyo Customs to hold seminars explaining the Rules of Origin. In December 2024, JCIA co-hosted a hybrid seminar with Kansai Chemical Industry Association, attended by approximately 200 people. To ensure that as many people as possible could access valuable information, the seminar was recorded and later distributed to participants so they could review the content.

In exports and imports with Economic Partnership Agreement (EPA) partner countries, understanding the Rules of Origin is essential to benefit from EPA preferential tariff rates. The seminar covered an overview of the EPA, how to verify EPA preferential tariff rates, explanations of rules of origin, and case studies using chemical products as examples. Following that, there was also an explanation on the requirements for authorized operators under the AEO (Authorized Economic Operator) system and examples of how the system is used.

Activity Report: Economy and Tax System Committee

MESSAGE

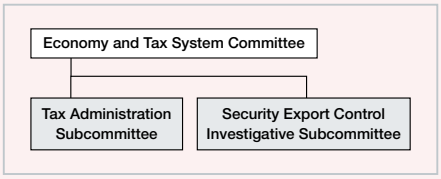
Toward a new future for the chemical industry in an era of uncertainty

The global economy continues to face uncertainties due to factors such as the United States' review of trade policies and rapid fluctuations in exchange rates. Additionally, within Japan, acceleration of decarbonization and electrification investments based on the GX2040 roadmap is anticipated, requiring the chemical industry to respond to medium- to long-term strategic measures. Our committee will continue efforts to support the sustainable growth of the chemical industry by making proposals on systems and taxation based on these domestic and international trends, and by disseminating information useful for business operations.

Committee Chairman, **YOSHIDA Osamu**
Managing Executive Officer, Mitsui Chemicals, Inc.

Activity Outline

Amid significant changes in the environment surrounding the chemical industry, we work to gather and share economic and tax-related information, accurately track revisions to relevant tax systems and legal frameworks, and translate these insights into policy recommendations and advocacy efforts that support further growth of the chemical industry. We also respond as needed to current topics related to the chemical industry.



FOCUS

FY2025 Requests for Revisions to the Tax System

The Economy and Tax System Committee compiled key request items addressing urgent issues in the chemical industry, such as "promotion of capital investment" and "support for GX (Green Transformation) advancement," in preparation for the FY2025 tax reform, and carried out advocacy activities. As in previous years, activities began with the formulation of joint requests by eight manufacturing industry organizations, followed by lobbying efforts directed at the Liberal Democratic Party's policy study groups and tax-related lawmakers, advancing in close cooperation with relevant organizations. In particular, due to changes in the carbon-neutral investment promotion tax system, the rationale for providing tax support for semiconductor materials requested by member companies has become unclear. In response, we have independently promoted advocacy efforts to establish a new tax framework for semiconductor materials that contribute to economic security. As a result, although it is based on the premise of legislative adjustments, the establishment of a "Next-Generation Semiconductor Tax System" was explicitly included in the tax reform outline.

Going forward, we will continue to advocate for the expansion of systems that promote further GX (Green Transformation) and DX (Digital Transformation) investments and accelerate innovation in the chemical industry, taking into account economic security and equal footing in the field of international taxation.

JCIA's Key Requests for Taxation in FY2025

1. Development of a tax system to promote capital investment
- Promote investment in semiconductor materials that contribute to economic security
- Review and reduction of depreciable property tax, etc.

2. Development of a tax system to incentivize GX initiatives
- Expansion of CN investment promotion tax credit
- Review of global warming tax in the context of overall policies conducive to growth, etc.

3. Expansion of the tax system to promote innovation such as research and development
- Expansion of R&D tax credits and easing of requirements
- Expansion of tax incentives to promote open innovation, etc.

4. Development of tax system related to international taxation
- Reduction of the burden on companies in complying with new international taxation rules
- Revision of the Controlled Foreign Company (CFC) rules, etc.

TOPICS

Publication of "Security Export Control Handbook for Beginners (For the Chemical Industry)"

Amid the growing importance of economic security, the JCIA Security Export Control Investigative Subcommittee created and published the "Security Export Control Handbook for Beginners (For the Chemical Industry)" to support member companies in strengthening their export control systems. This guidebook is structured in a practical Q&A format based on actual questions and concerns raised by member companies in the working group, primarily targeting beginners involved in export control operations (generally up to about five years of experience). Upon publication, the guidebook was made publicly available on the JCIA website and was also announced to chemical industry-related media through a news release.

In addition, the guidebook was introduced at the annual security export control seminars co-hosted with the Kansai Chemical Industry Association for members, helping to deepen understanding of the export control system. Going forward, we will continue to contribute to strengthening risk management systems in the chemical industry through information provision and educational support in the area of export control.

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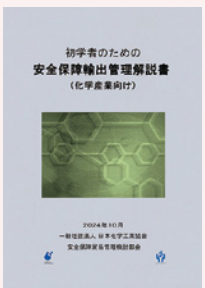


Activity Report: Labor Committee

MESSAGE

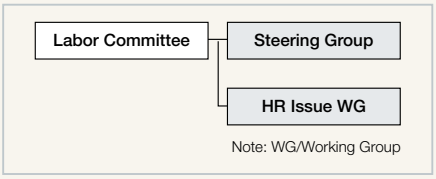
Continuing to promote support for human resource development and provision of information to member companies

In FY2024, we provided human resource development support through production site leader training and human resources & labor management staff development seminar. The site leader training was held four times in total, including sessions in Osaka. The seminar was a program targeting managers in HR departments. In addition, we continuously collect and disseminate information on wages, bonuses, and various labor information, and hold regular information exchange meetings with labor union organizations. We will continue to promote the sharing of meaningful information and provide human resources development support for member companies.

Committee Chairman, **TAKEDA Makoto**
Managing Director, Nippon Kayaku Co., Ltd.

Activity Outline

Our activities focus on policies and legal compliance related to human resources and labor, as well as on human resource development. Regarding labor-related policies and legal revisions, we submit opinions to the government through the Japan Business Federation (Keidanren) and exchange information with labor union organizations. For human resource development, we support initiatives such as production site leader training, human resources & labor management staff development seminar, and activities by the HR Issue WG.



FOCUS

Human Resources & Labor Management Staff Development Seminar

In FY2024, a seminar for developing HR and labor leaders targeting mid-level HR managers was held, and 11 participants from 11 companies attended. This seminar aims to cultivate the ability to formulate HR strategies that support management goals and to enhance thinking and decision-making skills for addressing HR challenges. At the same time, we aim to strengthen networking among staff and managers engaged in HR and labor management within the chemical industry. Professor Tomoyuki Shimanuki from Chuo University Graduate School was invited as the lecturer, and a total of eight sessions were held. The sessions included lectures and case studies, as well as guest lectures sharing personal experiences and group discussions. Participants expressed that they were able to gain new insights and inspiration alongside their learning. In the final session, titled “My Vision for Our Company's Talent Management Strategy,” participants presented the talent management strategies they deemed necessary based on what they learned during the seminar, without being limited to the initiatives currently underway in their own HR departments, followed by active exchanges of opinions. We hope that the participants will make use of what they learned and experienced during the seminar, as well as the relationships they built with peers with whom they could openly exchange honest opinions, in their future work.

TOPICS

Training for Chemical Plant Production Site Leaders

The Training for Chemical Plant Production Site Leaders was started in FY2016 for member companies as well as companies that have difficulty holding training sessions independently, and is currently held four times a year. The training program has been implemented since FY2022 with a focus on “mindset” as a field leader and “safety capabilities” based on safety infrastructure and safety culture. In FY2024, training sessions were held in Tokyo in June, August, and October, and in Osaka in March. In addition, in conjunction with the training session, a “Chemical Risk Assessment Talk” is streamed on YouTube for the participants to learn.

The training sessions are designed not only for listening to lectures but also include studying accident case videos and engaging in group discussions. These activities allow participants to learn from other workplaces’ perspectives and apply the insights to their own work environments, thereby deepening understanding and fostering new discoveries. Furthermore, mechanisms are put in place to help participants clearly recognize changes in their awareness before and after the training, as well as to identify specific actions they will implement in their workplaces afterward, thereby supporting their active contribution upon returning to work.

Each training session has a capacity of 24 to 30 participants, and in FY2024, a total of 108 people completed the course. We will continue to hold the training sessions in FY2025.

Introduction to the Chemical Products PL Consulting Center

Introduction of Activities

When the Product Liability (PL) Act was promulgated in 1994, the Chemical Products PL Consulting Center was established in June 1995 as an independent organization within JCIA because of the need to create an out-of-court dispute settlement system that draws on specialized knowledge of each product field. The Center consults on a wide range of issues related to chemical products sought from not only consumers but also businesses and Consumer Affairs Centers nationwide from a professional perspective. The number of consultations in FY2024 was 228, and of these, approximately 70% came from consumers and about 20% were from consumer affairs centers.

The Center's activities are reported to the relevant departments in the monthly "Activity Note" and made available to the public on the website. In addition to posting the contents of all consultations and responses, the website also includes related information such as "Special Notes" and "Column" to disseminate chemistry-related information each month. The activities during the year are also released as an annual activity report on the website.

In addition to providing consultation services, we also focus on enlightening consumers to help prevent accidents caused by chemical products. Visiting lectures are conducted not only for the general consumers, but also for consumer affairs center counselors and businesses, with the content tailored as much as possible to meet the specific needs of each client. In addition, we edit the contents of the monthly Activity Note to create reader-friendly educational booklets that are easy to pick up and read. There are currently seven booklets available, and their contents can also be viewed on our website.

Updates to the information on our website are announced through our newsletter.
(Register your email address at pl@jcia-net.or.jp)

https://chemical-pl.jp/
(The website was renewed in July 2025.)

Chemical Products PL Consulting Center

Phone consultations 0120-886-931

Weekdays: 9:30-16:00 (except 12:00-13:00)
Number of consultations: 228 cases (results for FY2024)

■On-demand lecture dispatching

Date of implementation	Subject	Client
June 27, 2024	"Product safety and social systems"	Graduate School of Science and Engineering, Aoyama Gakuin University (for graduate students)
September 20, 2024	"How to deal with the chemical products around you"	Kameoka City Consumer Affairs Center
November 15, 2024	"How to deal with the chemical products around you"	Nagoya City Consumer Affairs Center
November 25, 2024	"How to deal with the chemical products around you"	Ichinomiya City Tourism and Transportation Division

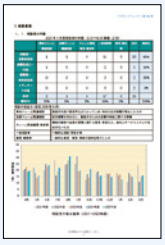

Lecture held in Nagoya City.

Main materials published on the Chemical Products PL Consulting Center website

■Activity Note (Monthly report)

Includes "Special Notes" and "Column" sections that feature all monthly consultations as well as topics related to chemicals.

Consultation info



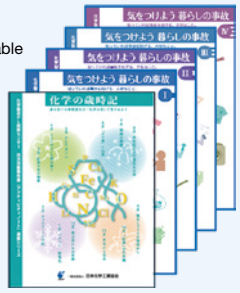
Details and responses for all consultations

Special Notes

Column

■Publishing booklets

Currently, seven booklets are available



1. Preventing Accidents Caused by Chemical Products
2. Home Chemistry
3. Be Careful of Everyday Accidents I
4. Be Careful of Everyday Accidents II
5. Be Careful of Everyday Accidents III
6. Be Careful of Everyday Accidents IV
7. Seasonal essay on Chemistry

Three JCIA Awards

Each year, the JCIA awards the “JCIA Safety Award,” which recognizes business sites that have implemented excellent safety activities and set a good example; the “JCIA Technology Award,” which recognizes the creation of innovative and outstanding science, technology, and products that have greatly contributed to the development of society as a whole and to environmental improvement; and the “JCIA Responsible Care Award,” which recognizes business sites, departments, groups, and individuals that have contributed to the spread and revitalization of Responsible Care activities.

Recipients of the three JCIA awards for FY2024

49th JCIA Safety Award

These awards are conferred on chemical plants that have achieved high-level safety records through occupational health and safety and process safety and disaster prevention activities and are implementing extremely excellent safety initiatives, which serve as models for the industry. In addition to having the representatives of the awarded sites present their safety activities as best practices, a safety symposium is held in conjunction with the awards to discuss the major theme of “How to maintain accident-free workplaces” among the representatives of the sites, providing many members with reference for their safety activities.

Award	Award Winner
JCIA Annual Safety Award Grand Prize	Resonac Corporation, Tatsuno Plant
JCIA Annual Safety Award First Prize	PS Japan Corporation, Mizushima Plant
JCIA Annual Safety Award First Prize	Dow-Mitsui Polychemicals Co., Ltd., Chiba Plant
JCIA Annual Safety Award First Prize	Resonac Automotive Products Corporation, Kansai Plant (Ishikawa)
JCIA Annual Safety Award First Prize	Resonac Ceramics Corporation, Yokohama Plant
JCIA Annual Special Safety Award First Prize (Research Institute)	Resonac Corporation, Tsukuba Site

Grand Prize: Resonac Corporation, Tatsuno Plant

I would like to express our deep appreciation for the honor of being awarded the JCIA Annual Safety Award Grand Prize. We conduct our business activities based on the code of conduct that “Safety takes precedence over everything else.” Through TPM and the further evolved Tatsuno Three Innovations activities, we have strived to cultivate a safety culture full of ingenuity. In addition, we are deeply honored to have received this award in recognition of our continuous achievement of zero lost-time accidents for 27 years. We will once again unite as one workforce and strive to make our workplace even safer.

57th JCIA Technology Award

JCIA Technology Awards recognize companies that have contributed to the progress of the chemical industry and economic society through the development and industrialization of excellent chemical technologies in order to promote the chemical industry. JCIA awards the Grand Prize, the Special Technology Prize, and the Environmental Technology Prize, and values their excellent achievement.

Award	Award Winner	Awarded Theme
Grand Prize	None	
Special Technology Prize	Teijin Limited, Fukui Tateami Co., Ltd., Osaka Medical and Pharmaceutical University	Development and practical application of cardiovascular repair patches to reduce the risk of pediatric heart reoperations
Environmental Technology Prize	Kao Corporation	Development of concrete surface aesthetic enhancement technology contributing to the construction of a sustainable social Infrastructure
Environmental Technology Prize	Tosoh Corporation	Development of Functional Tertiary Amine “RZETA®”

Special Technology Prize: Teijin Limited, Fukui Tateami Co., Ltd., Osaka Medical and Pharmaceutical University

We sincerely appreciate being honored with the prestigious JCIA Technology Award Special Technology Prize. We believe that the medical field, including medical devices, offers many opportunities where the various technologies cultivated in the chemical industry can play an active role. The award-winning “New Cardiovascular Repair Patch” is a truly needs-driven development that addresses medical field requirements through material chemistry and material processing technology. Moving forward, we intend to continue developing products that contribute to society, always keeping in mind “To help people solve problems.”

19th JCIA Responsible Care (RC) Award

The RC Award is a recognition system that honors business sites, departments, groups, or individuals that have achieved outstanding results or made significant contributions in promoting and advancing RC activities related to the six RC codes: Process Safety & Disaster Prevention, Occupational Safety & Health, Environmental Conservation, Communication, Chemicals/Product Safety, and Logistics Safety. The award aims to enhance motivation and further invigorate RC activities among those involved.

Award	Award Winner	Awarded Theme
Grand Prix Award	Kao Corporation, Wakayama Plant and Research Laboratories	Initiative toward a biodiversity model plant that connects history and the environment to the future
Jury’s Special Award	Sumitomo Chemical Co., Ltd., MMA Division Essential & Green Materials Research Laboratory, Polymer Design Group Industrial Technology & Research Laboratory, Process Technology Group (Ehime)	Acrylic Droplet Prevention Panel Regional Resource Circulation Project: MICAN Project
Jury’s Special Award	Mitsubishi Chemical Corporation, Ibaraki Plant, Construction Safety and Health Association	Mitsubishi Chemical Corporation, Ibaraki Plant Improving the skills of frontline workers at contracting companies using the hands on training facility “Kashima Anshin Juku” (Kashima Safety School)
Outstanding Award	Denka Company Limited, Chiba Plant, Environment and Safety Department	Activity for safety cultivation by education of both technical skill and non-technical skill by using unique sensory education facility
Outstanding Award	Mitsui Chemicals, Inc., Osaka Works	Development of AI system “Marsa” for extracting industrial accident hazard and stimulation of safety activities
Effort Award	Nippon Paint Corporate Solutions Co., Ltd. Nippon Paint Group Responsible Care Committee Group RC Secretariat	Establishment of the ‘RC Med- and Long-Term Policy’ -Towards permanent RC activities and development

RC Grand Prix Award Kao Corporation

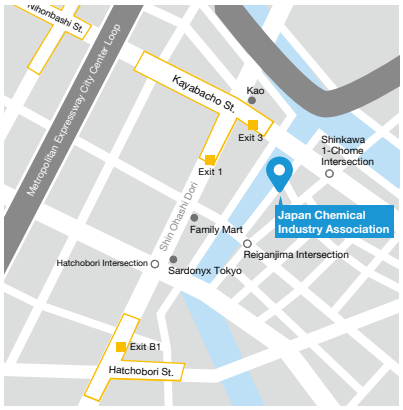
We would like to express our sincere appreciation for receiving the RC Grand Prix Award. We are truly honored to be recognized for our long-standing efforts aiming to become a biodiversity model plant. Our activities have centered on a coastal forest that has stood as a natural barrier against the sea since the Edo period. Since the 1980s, we have worked to enhance biodiversity by addressing conservation challenges, with the help of external experts and the cooperation of our employees. In order to connect history and the environment to the future, we will strive to continue conserving and restoring the natural environment for the better and disseminate its value.

Glossary

Term/abbreviation	Official name	Explanation
ACC	American Chemistry Council	
AEC	ASEAN Economic Community	ASEAN Economic Community. The ASEAN Economic Community is one of the three pillars of the ASEAN Community, together with the ASEAN Political Security Community (APSC) and the ASEAN Socio Cultural Community (ASCC). The 10 member states of ASEAN (Indonesia, Cambodia, Singapore, Thailand, the Philippines, Brunei, Vietnam, Malaysia, Myanmar, and Laos) to become a single economic bloc.
AMEICC	ASEAN Economic Ministers and METI Economic and Industrial Cooperation Committee	AEM-METI (ASEAN-Japan) Economic and Industrial Cooperation Committee. A sub-organization of the ASEAN-Japan Economic Ministers' Meeting.
APEC	Asia-Pacific Economic Cooperation	Asia-Pacific Economic Cooperation Council (a framework for economic cooperation involving 21 countries and regions in the Asia-Pacific region).
ARCP	ASEAN Regulatory Cooperation Project	Regulatory cooperation project for ASEAN.
APRO	Asia Pacific Responsible Care Organization	Asia Pacific Responsible Care Organization (established in 2003 as an APRCC-supported organization). Currently chaired by Japan.
ASEAN	Association of South-East Asian Nations	Association of South-East Asian Nations. It is a regional cooperation organization for economic, social, political, security, and cultural affairs among 10 Southeast Asian countries. Its headquarters is located in Jakarta, Indonesia.
CCU	Carbon Capture and Utilization	A technology that captures CO_2 and uses it as a resource to make industrially useful substances such as olefins.
Cefic	European Chemical Industry Council	
chemSHERPA	Chemical information Sharing and Exchange under Reporting Partnership in supply chain	Information transmission scheme of chemicals in products
cLCA	carbon- Life Cycle Analysis	Carbon footprint and life cycle assessment. The CO_2 emissions during the life cycle (material sampling, manufacturing, distribution, use, and disposal) of final product using chemical products and that of final product using comparative products are compared, and that difference is considered as emissions that increase when those chemical products were not used and calculated as net contribution to avoided emissions.
CLP	Classification, Labelling and Packaging of substances and mixtures	A regulation on the classification, labeling and packaging of substances and mixtures in the EU based on the GHS.
CN	Carbon Neutral	When the volume of CO_2 emissions accompanying people's daily activities and CO_2 absorption are in balance. The aim is to achieve effective zero emissions of CO_2, the cause of global warming.
COP	Conference of the Parties	"COP" itself means "Conference of the Parties." Usually, COP refers to the Conference of the Parties to the United Nations Framework Convention on Climate Change.
CPCIF	China Petroleum and Chemical Industry Federation	China Petroleum and Chemical Industry Federation.
CR	Chemical Recycling	Abbreviation for chemical recycling.
E&CC LG	Energy and Climate Change Leadership Group	Energy and Climate Change Leadership Group, an organization within ICCA.
EPA	Economic Partnership Agreement	Economic Partnership Agreement.
GADSL	Global Automotive Declarable Substance List	List of substances already restricted or planned to be restricted worldwide by countries and published by the GASG with the possibility of being contained in automotive products.
GASG	Global Automotive Stakeholders Group	Organization constructed and established by representatives of automotive, automotive parts, and chemicals manufacturers in Japan, Europe, and United States for the purpose of continuously exchanging and sharing information through the supply chain of the global automotive industry in order to achieve reductions in the environmental load through the life cycle of automotive.
GFC	Global Framework on Chemicals	An international framework for chemical substances. Adopted as the successor to SAICM at the International Conference on Chemicals Management (ICCM-5) held in 2023.
GHG	Greenhouse Gas	Greenhouse Gas.
GHS	Globally Harmonized System of classification and labelling of chemicals	Globally harmonized system concerning classification and labeling of chemicals. System for classifying chemicals by type and degree of hazard according to globally unified rules with labeling to make the information understandable at a glance and provide a safety data sheet. Issued from UN in 2003.
GX	Green Transformation	Abbreviation for Green Transformation.
ICCA	International Council of Chemical Associations	International Council of Chemical Associations.
ICCM	International Conference on Chemicals Management	International conference on the management of chemical substances.
JaCVAM	Japanese Center for the Validation of Alternative Methods	Japanese Center for the Validation of Alternative Methods. An organization established at the National Institute of Health Sciences, Center for Biological Safety and Research, with the objective of contributing to the introduction of new alternative methods for animal testing as administrative testing methods that contribute to the promotion of the 3Rs (reduction, refinement, and replacement) regarding animal testing, while ensuring public safety in the safety assessment of work-related substances such as chemical substances, to the extent possible.

Term/abbreviation	Official name	Explanation
JaIPLE	Japan Initiative for Plastic on Environment	Japan Initiative for Plastic on Environment.
JEITA	Japan Electronics and Information Technology Industries Association	Japan Electronics and Information Technology Industries Association.
JIPS	Japan Initiative of Product Stewardship	Risk evaluation considering the supply chain and voluntary approaches by the industrial field on the basis of risk management.
KOCIC	Korea Chemical Industry Council	Korea Chemical Industry Council.
LCA	Life Cycle Assessment	Method for objectively and quantitatively evaluating the environmental impact of all stages, from acquisition of materials for the product through production, use, disposal, transportation, etc.
LRI	Long-range Research Initiative	Long-term independent research (activities that provide long-term support for research on the effects of chemical substances on human health and the environment, based on funds contributed by LRI member companies). This is a cooperative effort among the chemical industry associations (JCIA, ACC, and Cefic) between Japan, the U.S., and Europe.
NAMs	New Approach Methods	A term used to describe a broad range of new methods, such as in silico approaches, in chemico and in vitro test methods, and exposure information in hazard assessment. High-throughput screening includes high-content methods as well as various omics technologies.
NF_3	Nitrogen trifluoride	Nitrogen trifluoride is a type of greenhouse gas.
NITE	National Institute of Technology and Evaluation	National Institute of Technology and Evaluation.
OECD	Organisation for Economic Co-operation and Development	Organisation for Economic Co-operation and Development.
RC	Responsible Care	Responsible Care. Activities wherein each company handling chemical substances voluntarily secures the environment, safety, and health in all processes of development of chemical substances, manufacturing, distribution, use, final consumption, disposal, and recycling and then discloses the outcome of activities and communicates with society.
RCEP	Regional Comprehensive Economic Partnership	A regional free trade agreement consisting of 15 countries (Indonesia, Singapore, Thailand, the Philippines, Malaysia, Brunei, Vietnam, Myanmar, Laos, Cambodia, Japan, China, Korea, Australia, and New Zealand), primarily Association of Southeast Asian Nations (ASEAN) members. Signed November 2020.
RCLG	Responsible Care Leadership Group	Responsible Care Leadership Group, An organization within ICCA.
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals	Regulation on registration, evaluation, authorization and restriction of chemicals.
SDGs	Sustainable Development Goals	Seventeen goals until 2030 concerning poverty, starvation, energy, climate change, industry and innovation as agendas of 2030 for sustainable development were adopted by the UN in September 2015. Successor of Millennium Development Goals.
SDS	Safety Data Sheet	Safety data sheet for chemical substances, containing information describing the safety of chemical substances. Formerly called MSDS in Japan.
SF_6	Sulfur hexafluoride	Sulfur hexafluoride is a type of greenhouse gas.
TPP11	Trans-Pacific Partnership or Trans-Pacific Strategic Economic Partnership Agreement	The TPP Agreement was signed by 12 countries in February 2016, but after the US declared its withdrawal in January 2017, the agreement was broadly agreed at the TPP ministerial meeting in Vietnam in November 2017. 11 ministers signed the agreement in March 2018, and it entered into force in December 2018.
TF	Task Force	Special team established to tackle particular urgent issues.
UNEA	United Nations Environment Assembly	Decision-making bodies of UNEA (United Nations Environment Assembly) and UNEP (United Nations Environment Programme).
VOC	Volatile Organic Compounds	This is a general name for volatile organic compounds that evaporate into the air. It includes various substances such as toluene, xylene, and ethyl acetate.
WS	Workshop	A participatory, interactive group learning experience in which participants do not only listen to the instructor's talk in a one-way manner, but rather participate in the discussion or experience it themselves.
WTO	World Trade Organization	World Trade Organization. An organization that handles global trade rules between countries.
WG	Working Group	Working Group. Working group organized for promoting investigations and planning of particular problems.
Carbon footprint	Carbon Footprint of Products	A method to quantitatively determine the amount of greenhouse gas emissions related to products and services throughout their life cycle, from resource extraction, procurement of raw materials, manufacturing, processing, and distribution to disposal and recycling.
Carbon Pricing	Carbon Pricing	General term for efforts to encourage reductions in emissions by attaching a price to carbon emitted by companies, households, etc. and placing a burden proportional to the volume emitted.
Product Stewardship	Product Stewardship	Activities to ensure the health and safety of people and minimize the impact on the environment through the whole product life cycle.

Access Information



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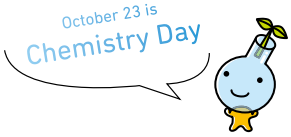

Nikka-chan
JCIA's official character

Information Distribution Services by JCIA

JCIA distributes the following email magazines to members. If you would like to receive an email magazine, please contact the relevant office.

Ankan-Net (Safe Environment Network) Contact: Environment and Safety Department

In addition to information on revisions to laws and regulations concerning environmental preservation, process safety and disaster prevention, occupational health and safety, distribution safety, and chemical management, as well as notices and notifications from administrative authorities and calls for public comments, JCIA also provides information on various related lectures and seminars in a timely manner.

CFP Net Contact: Technical Affairs Department mito@jcia-net.or.jp hfujii@jcia-net.or.jp

The CFP Net provides information on seminars held by related organizations regarding carbon footprints (CFP) and domestic and international trends.

RC net Contact: Responsible Care Department

This mail magazine is for member companies of the Responsible Care (RC) Committee. It provides information on RC-related events such as RC activity report meetings, the distribution of Responsible Care News, sponsored events including informal member get-togethers, and member seminars, and calls for event sign-ups.

Chemical Standardization Information Net Contact: Technical Affairs Department mito@jcia-net.or.jp knoda@jcia-net.or.jp

The Chemical Standardization Information Net provides information on seminars of related organizations and domestic and international trends in the field of chemical standardization. The email magazine is issued twice a month, and the current number of subscribers is approximately 100.

Chemical Management Net Contact: Chemicals Management Department

We provide the latest information on trends in Japanese and overseas laws and regulations related to chemical management and on seminars sponsored by JCIA.

PR Net Contact: Public Relations Department

We distribute information on JCIA sponsored events, such as seminars and Chemistry Experiment Shows, and subsequent event reports. The email magazine is issued once or twice a month, and the current number of subscribers is approximately 350.

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Published September 2025