

2021

ICCA Responsible Care[®] Leadership Group (RCLG) Status Report



Responsible Care[®]
OUR COMMITMENT TO SUSTAINABILITY

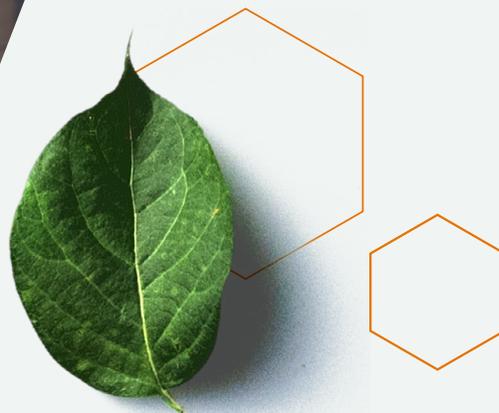
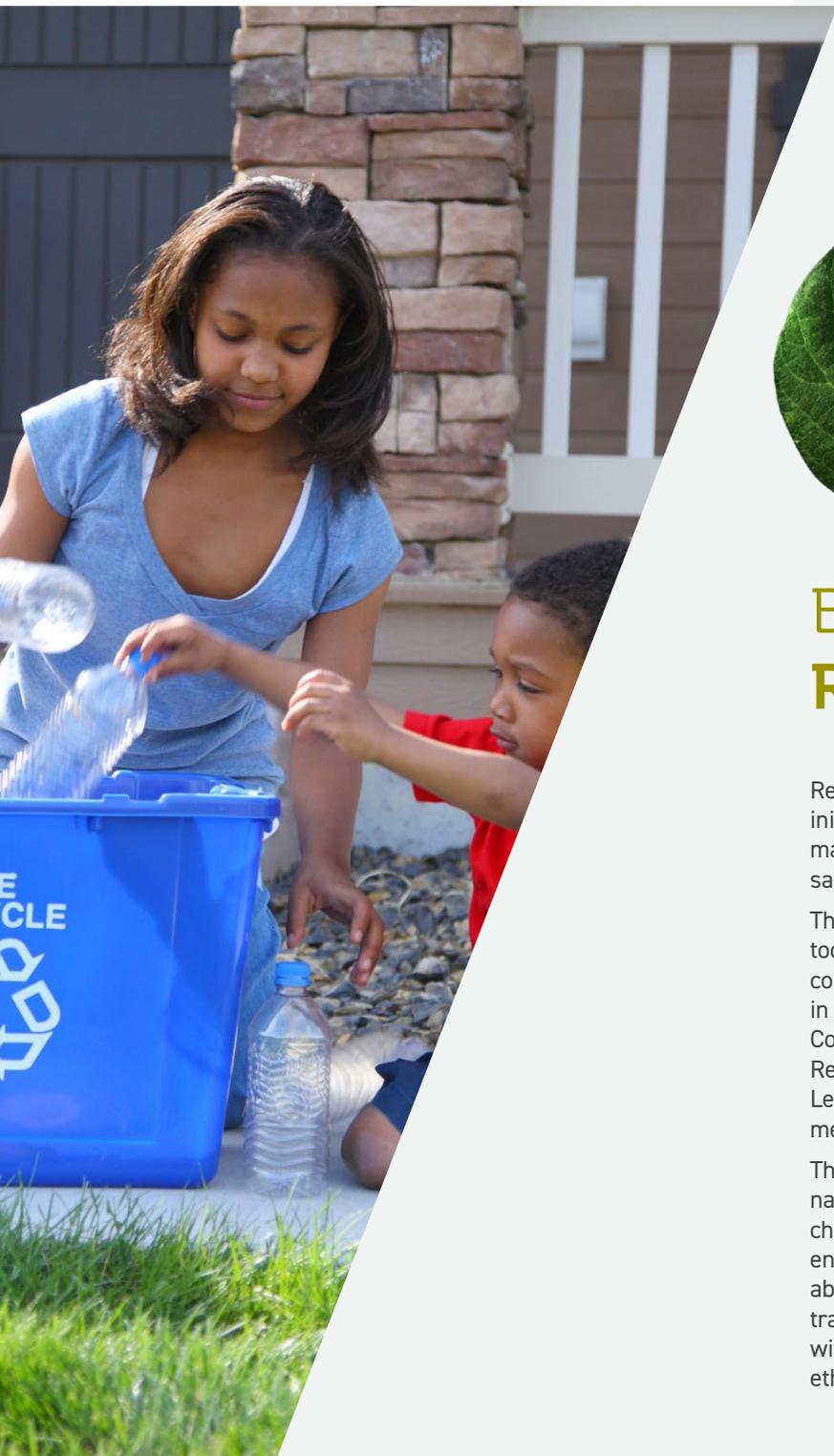


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Background on Responsible Care®

Responsible Care® is the global chemical industry's voluntary initiative to drive continuous improvement in safe chemicals management and achieve excellence in environmental, health, safety and security performance.

The Responsible Care initiative began in Canada in 1985, and today, national chemicals associations and their member companies implement the initiative's program elements in over 65 economies around the world. The International Council of Chemical Associations (ICCA) oversees the global Responsible Care initiative through its Responsible Care Leadership Group (RCLG), made up of national association and member company representatives.

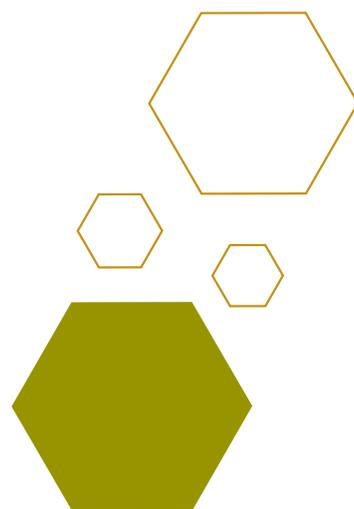
Through Responsible Care, chemical manufacturers and national chemical industry associations and others in the chemical supply chain commit to improving performance, engaging with stakeholders to understand their concerns about industry operations and products, promoting transparency to build trust with stakeholders, and working with commercial partners to extend the Responsible Care ethic throughout the value chain.

Section

01



**Introduction/
Welcome Letter
from RCLG Chair
Baudouin Kelecom**





Baudouin Kelecom, *Chair, Responsible Care® Leadership Group*

Thirty-five years ago, our predecessors, conscious of the extraordinary value created by chemistry, along with the need to address and manage a variety of challenges, created this powerful combination of two words: Responsible Care®.

First, we care – as individuals, we care about our family and friends; as companies, we care about our communities, our countries and the world around us. We deeply care about our actions and their implications. Second, we aim to act responsibly with our knowledge and our skills, respecting the people and the laws of the countries where we operate.

I am pleased to introduce the ICCA Responsible Care Leadership Group's (RCLG) 2021 Status Report and provide information on the vast array of activities we have been undertaking over the past few years to enhance the global Responsible Care initiative.

Since the publication of our last status report in 2018, the world has faced remarkable challenges, many of which we couldn't have imagined just a few years ago. The global COVID-19 pandemic has impacted all aspects of society, changing the way we interact with each other personally, as well as business and operational activities.

At the same time, with all the challenges COVID-19 has brought before us, it also has helped demonstrate how resilient we are as a society, and as an industry. I am proud of the myriad ways that the global chemical manufacturing industry has stepped up in the fight against COVID-19, altering operations to manufacture the countless products needed for life-saving medical care, from disinfectants, pharmaceuticals and biocides to personal protective gear. You can read more about national chemical industry activities to help combat COVID-19 in Section 8 of this report.

These actions truly demonstrate the goal of the global chemical industry to progress, to strive for continual improvement, to protect human health and the environment while also safely manufacturing the products and technologies that make progress possible. And this is what Responsible Care is all about.

- Responsible Care is a journey where we continually adapt to new realities. Our commitment to leadership continues to evolve and grow as we better understand the way we function, our human behaviors and our biases.
- Responsible Care means we work to enhance the safety of our processes, sometimes beyond national laws and regulations, to protect our workers and the people in the communities where we operate, and to develop safe products that enhance life for people around the world. The Responsible Care Global Charter (see Section 4) outlines our global industry's commitment.
- Responsible Care is a program of continuous improvement and learning. We learn by discussing and building on the experiences of our industry, our value chain, and our collaborators and stakeholders. Section 5 highlights capacity building activities we undertake in countries around the globe.
- Responsible Care is the foundation of the chemical industry's sustainability commitment, enabling our industry to foster sustainable development practices, community relationships and a culture of continuous improvement. Sustainable development is the guiding principle for driving long-term global progress, and chemistry plays an essential role in helping to address and overcome the world's most pressing sustainability challenges. Section 6 highlights how the global chemical industry works to drive and accelerate progress toward the United Nation's 17 Sustainable Development Goals (SDGs).
- Through Responsible Care, we also are committed to transparent reporting, on our successes and also on areas where we seek to improve. Section 7 outlines the steps we are talking to measure and report our performance.

Furthermore, ICCA is committed to working with key stakeholders at the international level to advance sound chemicals management through the Strategic Approach to International Chemicals Management (SAICM). As SAICM stakeholders work to build out the Beyond 2020 SAICM framework, ICCA will continue to support development and enforcement of risk- and science-based chemical management systems in countries around the globe.

We are committed to working with the United Nations Environment Programme (UNEP) regarding safe and responsible chemicals production and SAICM implementation. Sections 2 and 3 outline our commitments in these areas.

I look forward to continuing to work with the dedicated professionals at our member companies and national associations around the world, to continue to expand and advance Responsible Care to meet today's needs, and the needs of the future.

Baudouin Kelecom
December 2021

Section 02

Beyond SAICM 2020: Chemicals Management and Responsible Care®

At the Johannesburg World Summit on Sustainable Development (WSSD) in 2002, ICCA joined other stakeholders and governments to establish the goal that, by 2020, chemicals should be “used and produced in ways that lead to the minimization of significant adverse effects on human health and the environment.”



Guiding this journey is the **Strategic Approach to International Chemicals Management (SAICM)**, a policy framework that calls on the most advanced countries to step forward and share their knowledge and expertise with developing economies to help promote chemical safety around the world. ICCA is a strong supporter of SAICM and its multi-stakeholder approach to promote the safe and sustainable production and use of chemicals globally and firmly supports the continuation of the SAICM approach beyond 2020.

SAICM stakeholders, including governments, the private sector and NGOs, broadly support a Beyond 2020 SAICM Framework that maintains the voluntary, multi-stakeholder nature of SAICM; sets clear, achievable targets and objectives for achieving the sound management of chemicals; facilitates sharing of knowledge and information on chemicals and chemical regulation; and builds capacity for sound chemicals management, particularly in developing countries.

Global Chemical Industry Perspective

ICCA believes that to achieve the global goal of safe and sustainable management of chemicals, the Beyond 2020 SAICM Framework should continue to focus on its core work: building basic chemicals management capacity in countries that need it most. This includes promoting effective and enforced chemical legislative and regulatory regimes at the national level and promoting universal adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS) to help ensure that chemicals are labeled and handled safely.

ICCA strongly supports development and enforcement of risk- and science-based chemical management systems in countries around the globe. The GHS makes information on chemicals available to enhance the protection of human health and the environment during the handling, transport and use of these chemicals. The GHS also provides a basis for harmonizing rules and regulations on chemicals at the national, regional and worldwide level.

Specifically, to enhance SAICM Beyond 2020, ICCA supports:

- **Elevating political support**, within countries and stakeholder organizations, for the sound management of chemicals and waste.
- **Increasing financial support** for the sound management of chemicals and waste.
- **Increasing coordination** among the intergovernmental organizations working on chemicals and waste issues.
- **Improving reporting on progress** toward the sound management of chemicals and waste.



ICCA seeks the adoption of a new, voluntary Beyond 2020 SAICM Framework that includes achievable and measurable objectives, as well as science-based criteria and prioritization mechanisms for identifying potential issues, and enhanced capacity building and financial resources for developing countries.



Section
03

ICCA
Collaboration
with UN
Environment
Programme





ICCA is pleased to work closely with the United Nations Environment Programme (UNEP) in our efforts to continue our journey toward a safe, reliable, sustainable chemical industry.

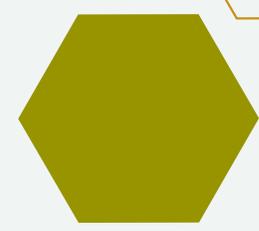
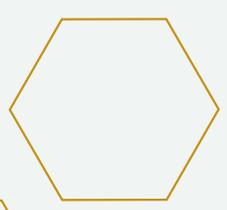
UNEP and ICCA share common goals and objectives regarding safe and responsible chemicals production and implementation of the Strategic Approach to International Chemicals Management (SAICM), and the two organizations have a joint Memorandum of Understanding (MoU) that provides a framework of cooperation and understanding to further these shared goals and objectives.

As stakeholders consider elements of the new SAICM Beyond 2020 Framework, promoting a broader understanding of Responsible Care® and its implementation globally is an important initial step before considering indicators for tracking industry progress on the Beyond 2020 SAICM objectives.

To that end, the RCLG organized a webinar for UNEP staff in June 2021 in order to: provide UNEP staff with a detailed Responsible Care overview, including specific linkages to SAICM objectives, sustainability, and the UN Sustainable Development Goals (SDGs); highlight the spectrum of Responsible Care implementation in various countries and ICCA efforts to support and advance those national associations that are newer to Responsible Care; and identify possible opportunities for future collaboration.

The webinar attracted nearly 100 participants, including UNEP staff and RCLG national association and member-company representatives, demonstrating the strong interest in advancing mutual objectives around safe chemicals management. Based on this positive outcome, and under the auspices of the ICCA/UNEP MoU, RCLG and UNEP have agreed to undertake joint work on aligned goals in specific geographic areas and on topics of common interest such as the Globally Harmonized System for Classification and Labeling of Chemicals (GHS).

Through our ongoing collaboration, ICCA and UNEP will work together to advance efforts to enhance sustainability and Responsible Care around the globe.



Section 04



Responsible Care® Global Charter

First published in 2006 and updated in 2014, the Responsible Care® Global Charter outlines the global chemical industry's unifying commitment to the safe management of chemicals throughout their life cycle, while promoting their role in improving quality of life and contributing to sustainable development.



CEO signatories to the Charter commit to actively strengthen Responsible Care worldwide by aligning their company, people, technologies and business practices to the Charter's six Key Elements. As of October 2021, more than 580 global chemical company CEOs have signed the Global Charter, committing to:

1. A Corporate Leadership Culture that proactively supports safe chemicals management through the global Responsible Care initiative.

Global Charter signatories commit to provide leadership and resources to:

- Implement Responsible Care principles and practices wherever the company manufactures or sells products;
- Participate in national Responsible Care programs where the company has significant business activities;

- Contribute to the further expansion of Responsible Care in other regions where the company has significant business activities;
- Promote industry and public awareness of Responsible Care;
- Provide practical support and share best practices to enable other parties to successfully implement Responsible Care.

2. Safeguarding People and the Environment by continuously improving environmental, health and safety performance; the security of our facilities, processes and technologies; and by driving continuous improvement in chemical product safety and stewardship throughout the supply chain.

Global Charter signatories commit to:

- Implement corporate principles, policies and procedures to safeguard employees, contractors, the public and the environment;
- Strive for continuous improvement with respect to workplace health and safety, public safety, process safety, environmental performance and the security of the company's facilities and products.

3. Strengthening Chemicals Management Systems by participating in the development and implementation of lifecycle-oriented, sound-science and risk-based chemical safety legislation and best practices

Global Charter signatories commit to managing the safety of chemical products in accordance with the expectations of the ICCA Global Product Strategy (GPS), including:

- Active collaboration in the development and implementation of effective, risk-based chemicals management policies, regulations and performance standards;
- Active participation in capacity building initiatives to advance the safe management of chemicals across the globe;
- Contributions to national and international education and research that advances understanding of the safety of chemicals, such as the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) and the Long-range Research Initiative (LRI).

4. Influencing Business Partners to promote the safe management of chemicals within their own operations

Global Charter signatories commit to:

- Drive continual improvement in product safety and stewardship processes and management;
- Provide information and assistance to enable safe chemicals management along the value chain;
- Collaborate with chemical users on maintaining and improving processes for the safe and effective uses of chemicals;
- Champion Responsible Care along the chemical industry value chain and encourage similar approaches in other industrial sectors.

5. Engaging Stakeholders, understanding and responding to their concerns and expectations for safer operations and products and communicating openly on our performance and products

Global Charter signatories commit to:

- Engage stakeholders to understand and respond to their concerns and expectations about chemical manufacturing and product safety;
- Provide stakeholders with company performance and product safety information;
- Provide performance information to national and international Responsible Care organizations to facilitate effective dialogue with the industry's stakeholders.

6. Contributing to Sustainability through improved performance, expanded economic opportunities and the

development of innovative technologies and other solutions to societal challenges.

Global Charter signatories commit to:

- Implement corporate principles, policies and processes to drive continuous improvement in waste management, greenhouse gas emissions and the efficient use of resources including energy, raw materials and water;
- Promote the importance of chemicals in improving quality of life and contributing to sustainable development;
- Participate in initiatives which confirm Responsible Care as a contributor to sustainable development and encourage others to make their own contributions to sustainability.

Responsible Care® Global Charter for National Associations

In 2019, ICCA developed a Responsible Care® Global Charter for National Associations, a pledge to be undertaken by the national and regional associations to support member company implementation of Responsible Care® by meeting the Eight Fundamental Features of the initiative and promoting continuous improvement. As of October 2021, leaders from over 90 percent of the RCLG national associations have signed the Global Charter for National Associations.

Responsible Care® Fundamental Features

Each national chemical association establishes and manages its own national Responsible Care program, based on a set of eight common fundamental features developed by ICCA. They are:

- Establish and implement a set of Guiding Principles that member companies sign.
- Adopt a title and logo that are consistent with Responsible Care.
- Implement management practices through a series of systems, codes, policies or guidance documents to assist companies to achieve better performance.
- Develop a set of performance indicators against which improvements can be measured.
- Communicate with interested parties inside and outside the membership.
- Share "best" practices/exemplary practices through information networks.
- Encourage all association member companies to commit to and participate in Responsible Care.
- Introduce and apply systematic procedures to verify the implementation of the measurable elements of Responsible Care by member companies.

Industry leaders support the national associations to develop program elements that fulfill these fundamental features. The Global Charter defines specific commitments consistent with the fundamental features.

Section
05

**Global Capacity
Building
Activities**

National chemical associations, chemical companies, their business partners and ICCA work closely to strengthen and spread the Responsible Care® ethic worldwide.

Responsible Care supports collaboration among the chemical industry, government and local authorities to help facilitate excellent practices in sound chemicals management and sustainable growth in regions around the globe.



Capacity Building Funding and Workshops: 2019 - 2021

ICCA provides financial and technical resources to support Responsible Care® education and workshops, to facilitate capacity building in regions working to advance Responsible Care® adoption and implementation. These efforts focus on:

- Promoting awareness of and knowledge about chemical hazards;
- Managing risks associated with manufacture and use of chemicals; and
- Developing the necessary national infrastructure and capacities for regulatory and voluntary approaches to chemical management.

2019 Capacity Building Workshops

In 2019, the RCLG provided nearly €250,000 in funding to support 26 workshops and events in 19 different countries. Highlights include:

- Responsible Care and safe chemicals management training for Sri Lankan government factory inspectors;
- Workshops on advocacy/communications and risk assessment for industry representatives in the Philippines; and
- Three GHS workshops in Myanmar for members of the Federation of Myanmar Engineering Societies and Myanmar Chemical Industry Association and university students.

2020 Capacity Building Workshops

Notwithstanding the challenges presented by the coronavirus pandemic, RCLG associations conducted a variety of capacity building workshops and trainings in 2020, many of them virtually. The RCLG provided over €107,000 in funding to support 14 capacity building events in 11 countries in 2020. Over 2,600 people attended on-line trainings on topics including GHS implementation and process safety, as well as in-person trainings on emergency response and third-party verification.

2021 Capacity Building Workshops

In 2021, the RCLG prioritized capacity building funding for projects focused on GHS implementation and ICCA Key Performance Indicator (KPI) reporting and collection processes, mutual priorities identified by both ICCA and the United Nations Environment Programme (UNEP). As of October 2021, ICCA had allocated more than €135,000 in funding to support 20 projects in 16 countries. Due to the ongoing coronavirus pandemic, some association capacity building activities continue to be conducted virtually.

Section
05

Global Capacity Building Activities

Capacity Building in Action

ICCA has supported capacity building activities around the world, to strengthen Responsible Care® and sound management of chemicals.



Africa

Building on its partnership with UNEP, ICCA continues to make progress toward improving chemicals management and safety by expanding Responsible Care in Africa. Currently there are well-established Responsible Care associations in Egypt, Morocco and South Africa.

In September 2021, the RCLG was pleased to welcome **Responsible Care Kenya (RCK)** into the global Responsible Care family. This significant achievement is the result of longstanding commitment and mentorship by the RCLG's Africa Task Force (ATF). The Kenya Association of Manufacturers (KAM) is the country's pre-eminent business association and a principal advisor to government on industry issues. KAM is hosting RCK and developing a broad range of products and services to add value for RCK members and partner organizations.

Moving forward, the ATF is working to establish new Responsible Care programs in several countries in West Africa, including Tunisia, Ivory Coast, Senegal and Guinea.

In Morocco, the **Federation de la Chimie & de la Parachimie (FCP)** held its Second African Responsible Care Conference in October 2019. A December 2019 workshop for African associations held in Naivasha, Kenya, included delegations from Kenya, Nigeria and Ghana representing industry, academia and other related organizations.

The event was funded by the UK Foreign and Commonwealth Office (FCO), which has an interest in improving chemical safety and security in Africa, and organized by CRDF Global, a Washington-based organization that hosts security and other topical training sessions and workshops on behalf of donor organizations. During the workshop, representatives of each country had an opportunity to provide a report on the status of chemicals management in their nation and discussed strategies for enhancing (in the case of Kenya) or developing (Ghana and Nigeria) Responsible Care programs.

Asia Pacific Region

The **ASEAN Regulatory Cooperation Project (ARCP)** leads a network of government and industry representatives from the ASEAN region that works to facilitate progress in achieving greater regulatory coherence through enhanced cooperation and coordination efforts.

ARCP conducted a virtual workshop in September 2020 with more than 200 participants, focused on building capacity and capability among ASEAN member states on the priority topics of alignment of Globally Harmonized System for Classification and Labelling of Chemicals (GHS) and development of chemical inventory. The ongoing cooperative effort continues to help economies achieve their goal of protecting human health and the environment without creating barriers to trade and helps to facilitate sound chemicals management in the region.

China

ICCA continues to provide support for the expansion of Responsible Care® in China. The **China Petrochemical and Chemical Industry Federation (CPCIF)** is developing a Responsible Care management system, conducting extensive outreach and communication programs including the June China

Responsible Care Promotion Conference, and providing education services through both in-person training sessions and an on-line learning portal. An experienced chemical industry representative has been seconded to the CPCIF since June 2020 to assist in these activities and help engage ICCA/RCLG resources where needed.

Eastern Europe

In 2020, the **Romanian Chemical Producers and Distributors Association (APDCR)** became the 63rd association to join the RCLG. The Romanian association has been a member of Cefic, the European chemical industry association, since 2013. A comprehensive Responsible Care management regime is being progressively implemented.

India

ICCA and the **Indian Chemical Council (ICC)** successfully completed a two-year India Pilot Project. The project sought to improve chemicals management and safety in the country, with a focus on transportation safety. In 2021, ICCA and ICC collaborated on activities to enhance ICC's existing Responsible

Care program and grow ICC's transportation safety program, known as **Nicer Globe**.

Achievements include:

- A successful Responsible Care awareness campaign, which increased the rate of participation in Responsible Care among members by 28 percent over the two-year period.
- Conducted a webinar on GHS implementation for Indian government officials, which included participation from UNEP. Efforts are now under way to jointly identify opportunities for future information sharing about the global context and benefits of the GHS.
- Improvements to ICC's Key Performance Indicator (KPI) Guidance documents and training for 140 member companies on the revised reporting tools, resulting in a nearly 30 percent increase in KPI reporting in 2020, with further increases expected in 2021 and beyond.
- Tripling of membership in NicerGlobe, development of a pool of trained drivers for hazardous material resulting in an 83 percent reduction in driving citations, and creation of an App for drivers that will provide real-time tracking functionality and built-in proof of delivery forms.



Section
05Global Capacity
Building ActivitiesLatin
America

ICCA launched the **Latin America Regulatory Cooperation Forum (LARCF)**, a collaborative initiative that promotes dialogue between industry and governments in the region to achieve regulatory alignment, promoting risk-based regulations and transparent policy making processes. The Forum

held its first workshop in Brazil in May 2018, and a second workshop, organized in partnership with UNEP, the Argentine government and the **Chamber of Industry Chemistry and Petrochemicals (CIQyP)** in November 2019 in Argentina. Additionally, in 2021, CIQyP conducted a two-day virtual seminar on Safety and Process Operations, sponsored by ICCA. The seminar featured training modules focused on topics including Management of Change, Security System Integrity Standard, Alarm Management, Classification of explosive areas and vulnerability, information technology and Layers of Protection Analysis.

The LARCF has continued to work virtually, creating virtual working groups with industry and government representatives and hosting webinars on chemical management topics. In 2020, the LARCF created a Roadmap for the sound management of industrial chemicals to support chemical management in Latin America.

In Brazil, the **Brazilian Chemical Industry Association (ABIQUIM)** developed and provided a host of training and educational tools and programs for ABIQUIM's associated and non-associated small and medium sized enterprises, on issues ranging from process safety to emergency response to dangerous goods transportation. ABIQUIM also conducted training for internal auditors and auditor certifying agencies on Responsible Care®.

The RCLG has selected **Responsible Care Colombia** for the 2022-2023 ICCA Pilot Project.



ICCA Peer Mentoring Network

The RCLG is expanding a global network of experienced practitioners who can mentor existing and prospective associations to help them successfully implement a national chemical management regime through Responsible Care®, and/or serve as speakers at association training and outreach events.

The RCLG has developed a matrix of experienced practitioners on Responsible Care and safe chemical management topics. The RCLG continuously seeks to identify additional individuals from associations and companies able to participate in upskilling Responsible Care champions and local trainers to enable greater self-sufficiency by contributing expertise to online workshops and specialist topics such as implementing local GHS and UN Recommendations on the Transport of Dangerous Goods (UNRTDG) legislation.



Section
06

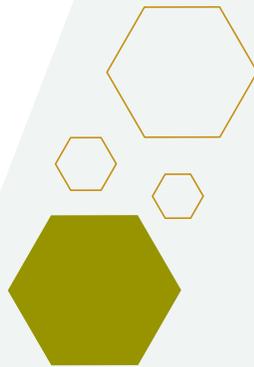


Responsible Care®
and Sustainability



Chemistry plays an essential role in driving progress across all three dimensions of sustainable development – environmental, social and economic – and helping to address and overcome the world's most pressing sustainability challenges. Responsible Care® enables the industry to foster sustainable development practices, community relationships and a culture of continuous improvement.

At the same time, Responsible Care should not be confused with sustainable development. Rather, Responsible Care is the framework, the cornerstone which allows the chemical industry to contribute to sustainable development agenda. The global chemical industry embraces and implements Responsible Care to drive safe operational and business practices at facilities around the world. The implementation of these sound practices through Responsible Care is one of the chemical industry's contributions to sustainable development.



Chemical Industry Contributions to UN SDGs

While Responsible Care is the foundation, the chemical industry's contributions to sustainability are much broader. Specifically, innovative products and technologies that depend on chemistry will play a critical role in meeting the challenges and targets set out across the [UN Sustainable Development Goals \(SDGs\)](#).



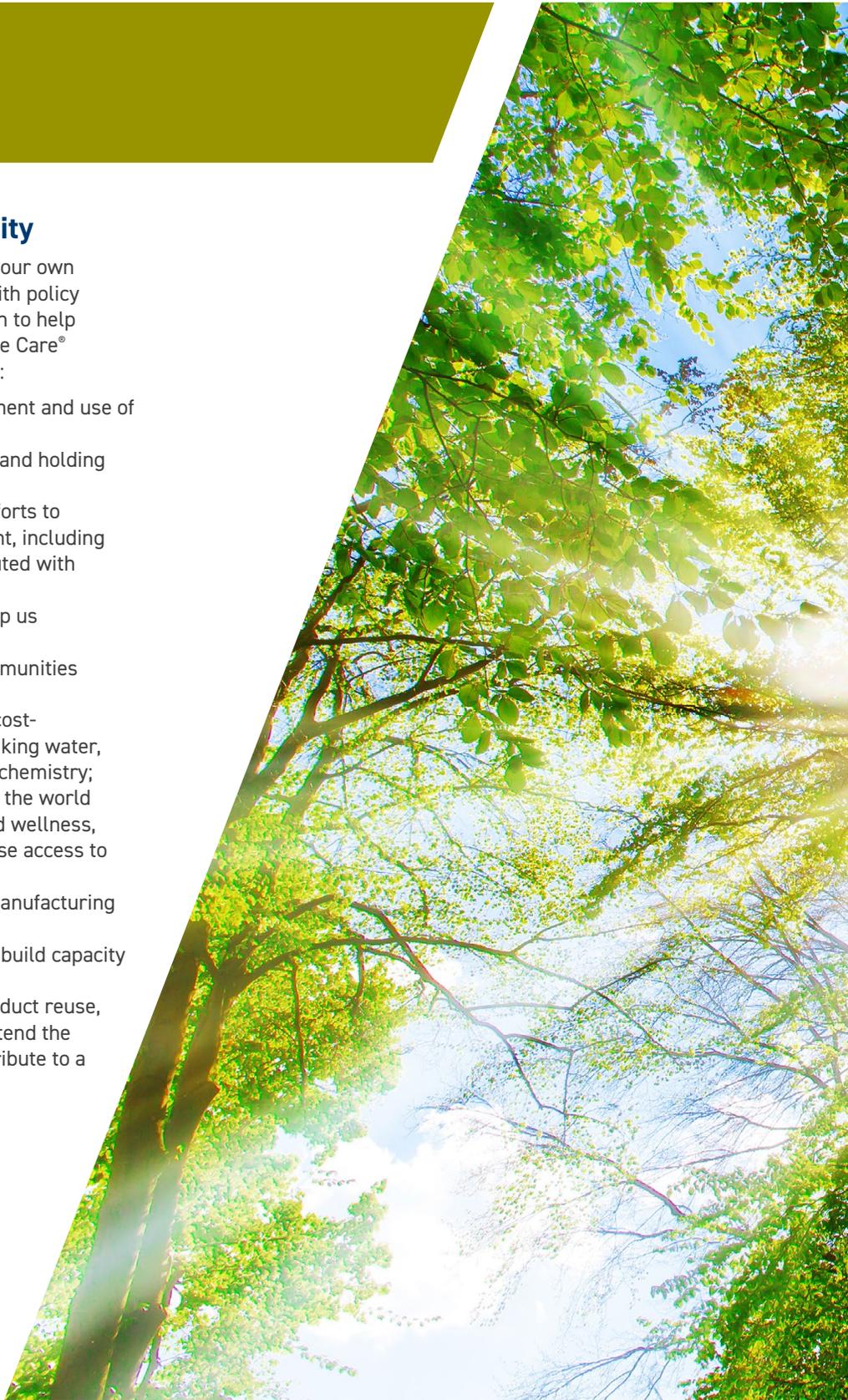
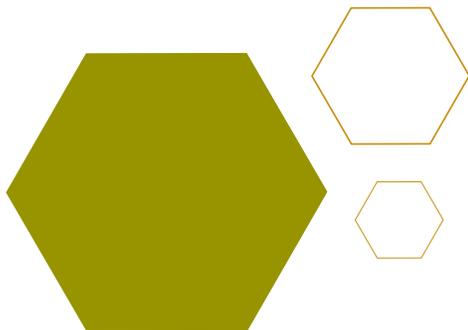


Responsible Care® and Sustainability

The Journey towards Sustainability

As an industry, we are committed to improving our own sustainability performance and collaborating with policy makers and stakeholders across the value chain to help others do the same. Building on our Responsible Care® commitments, ICCA members are committed to:

- Expanding the safe and sustainable management and use of chemicals throughout the global value chain;
- Improving industry's sustainability practices and holding ourselves accountable;
- Protecting our environment by supporting efforts to reduce and manage waste so our environment, including land, oceans and water sources, are not polluted with mismanaged plastic or other materials;
- Tracking our progress through metrics to help us continuously improve our performance;
- Protecting the safety of our workers, the communities where we operate, and our products.
- Improving the availability, performance and cost-effectiveness of renewable energy, clean drinking water, and energy efficient technologies enabled by chemistry;
- Elevating the quality of life for people around the world through technologies that improve health and wellness, enable food security, reduce pollution, increase access to clean water and provide comfortable shelter;
- Reducing greenhouse gas emissions in the manufacturing and use of our products;
- Empowering community leaders and helping build capacity to enhance safe chemicals management;
- Promoting innovations in product design, product reuse, repurposing and recycling to improve and extend the useful life and value of all products and contribute to a more circular economy.





In addition, through Responsible Care® capacity building efforts (see [Section 4: Global Capacity Building Activities](#)), ICCA will play a critical role in supporting sustainability progress in the future:

- First, Responsible Care can provide the essential initial steps toward safe and sustainable chemicals management by providing support to emerging economies working to build industry capacity.
- Second, with further development, ICCA is establishing a model for more advanced organizations that are ready to take their systems toward greater convergence with the broader issues encompassed by sustainability.

These efforts will help expand excellent practices to new regions, ultimately facilitating global progress towards sustainability.

Section 07



Reporting on Chemical Industry Progress and Performance

With a goal of continuous improvement, Responsible Care® practitioners understand that in order to improve, we should know where we stand in relation to society's expectations for the industry.

Reporting on Key Performance Indicators (KPIs) is a Fundamental Feature of Responsible Care. National chemical associations around the world work collaboratively with their member companies to collect and report data on industry performance to demonstrate the initiative's effectiveness.

Using ICCA's KPI reporting tool, national associations have tracked and reported performance metrics related to workplace safety, energy and water consumption, CO₂ emissions and process safety incidents.



Enhancing International KPI Data Collection

There are a variety of challenges in collecting meaningful data from RCLG associations, including variances in the number of associations and membership changes within the associations that report complete data sets year to year. In addition, the voluntary nature of Responsible Care® participation in many countries can result in local associations having limited means of obtaining accurate and timely KPI reporting from their members. For smaller associations that are newer to Responsible Care, implementing procedures for capturing performance data from all member companies can present a challenge in the first few years of participation in Responsible Care's reporting program.

The RCLG is undertaking several initiatives to help capture global chemical industry performance data:

- The RCLG has implemented changes to its capacity building funding program, which provides support for national association workshops and training programs, to prioritize funding for development of initiatives that promote accurate and timely national KPI reporting for Responsible Care companies.
- In a parallel project, to supplement data provided by member associations, the RCLG is gathering KPIs from the top 25 global chemical manufacturing companies over the past five years, using publicly available reporting data such as the Global Reporting Initiative and company sustainability reports. While not intended to replace data collection from RCLG associations, this effort helps provide performance information on a substantial sub-set of the largest producers in the global chemical manufacturing industry.
- The RCLG is exploring additional ways to provide support to help member associations enhance data collection processes. As a first step in this process, RCLG associations have been asked to complete a survey detailing how they currently collect KPI data, as well as challenges associated with collecting such data. The RCLG aims to develop recommendations on improved KPI data collection processes for member association consideration.
- Promoting innovations in product design, product reuse, repurposing and recycling to improve and extend the useful life and value of all products and contribute to a more circular economy.

Enhancing Company Performance: ICCA Responsible Care® Self-Assessment Tool

Worldwide, countries and regions that implement Responsible Care cover approximately 80 percent of global chemical production, yet an average of 70 percent of chemical companies in any country, mainly small- and medium-sized enterprises (SMEs), may not be fully implementing Responsible Care.

The RCLG has long sought to be more inclusive of SMEs on a worldwide basis. To address this, Cefic, the European chemical industry association, has undertaken a Responsible Care Rejuvenation Project to increase European chemical company participation in Responsible Care, with a special focus on SMEs, and to harmonize Responsible Care across Europe. A core component of the rejuvenation project is development of a company self-assessment web tool to enable European companies to evaluate their Responsible Care program and provide a practical methodology to track implementation progress and tailored tips and good practices to drive continuous improvement.

Cefic's Self-Assessment Tool connects Responsible Care with broader international standards in the fields of sustainability, corporate social responsibility, health, safety and environment, and efficiency. Further, it introduces four "maturity" levels, describing four different levels of Responsible Care implementation, to help companies improve over time.

The RCLG is now developing an **ICCA Responsible Care Self-Assessment Tool** for chemical companies worldwide, based on the Cefic model. RCLG national associations reviewed the Cefic tool to identify needed modifications for global applicability. Tool modifications are expected to be completed in early 2022. An IT platform will then be developed to help deploy the ICCA Responsible Care self-assessment tool globally. The tool is intended to increase Responsible Care relevance and help bring more companies, particularly small and medium-sized enterprises, into the Responsible Care initiative.



Section
08

**Industry
Response to
COVID-19
Pandemic**

The global COVID-19 pandemic has affected all aspects of society around the world. During this challenging time, it has remained essential that key industries and sectors, including the chemical manufacturing sector, are able to maintain operations and continue to provide the countless products needed for life-saving medical care, disinfectants, pharmaceuticals, biocides, personal protective gear, and the chlorine chemistry to protect drinking water.

Industry Actions in Response to COVID-19 Crisis

The global chemical industry has undertaken significant efforts to help mitigate and manage impacts of the COVID-19 pandemic. As the demand for health and safety products increased, ICCA member companies played a critical role in the global battle against COVID-19 by altering facility processes and working around the clock to provide the world with the essential materials needed to fight the pandemic.

For example:

In China, **China Petroleum and Chemical Industry Federation (CPCIF)** member companies rapidly activated the emergency mechanism. Some companies worked to produce urgently needed medical, disinfection and protective supplies (raw materials for face masks, disinfectant) and related anti-epidemic materials day and night. In response to challenges encountered by companies after the resumption of work and production, CPCIF opened the "Mutual Assistance Column of Members for Restoration of Work and Production" to collect information on technology, general material, equipment, raw materials, logistics, personnel, funds, and other issues, and provided this to the relevant government departments that help companies address problems to help ensure production continued to run smoothly.

In **Indonesia**, four large domestic ammonia-urea industries continue to operate and can even increase production to help fight COVID-19 in the vicinity of the factory's operating area. Likewise, the large petrochemical industry has taken concrete actions to keep operating and secure company assets and assist the government.

In Morocco, **Federation de la Chimie & de la Parachimie (FCP)** member companies undertook a variety of activities, including increasing production of disinfectants, bleach, biocides, hydroalcoholic gel and medical oxygen, as well as provisioned storage capacity for imported alcohol and were able to replace imported products with formulations tested and approved by international bodies. Members also donated US\$10 million to the government to help address the COVID-19 pandemic.

European Chemical Industry Council (Cefic) members have significantly increased capacity and shifted production processes to meet the exponential rise in demand for disinfectants, diagnostic tests, ventilators, protective masks, gloves and gowns, Intensive Care Unit medicines and equipment and protective clothing, as well as donating funds and critical supplies to hospitals and medical facilities. [This map on Cefic's website illustrates efforts undertaken in countries across the European Union.](#) In 2020, Cefic launched a special edition of the annual European Responsible Care Awards called "Caring in COVID-19 times," to showcase the industry's support in fighting COVID-19. [Meet the 16 winners here.](#)

- The **German federal government** authorized the chemical industry to set up a digital marketplace for disinfectants. Within a very short time, **VCI**, the German chemical association, built from scratch the internet platform "Emergency Supply Disinfectants." Additionally, many companies supported hospitals, nursing homes and other social facilities with donations or productions of disinfectants.
- In The Netherlands, members of the **Royal Association of the Dutch Chemical Industry (VNCI)** helped facilitate society and health care needs by transferring production lines to producing swabs, face masks and sanitizer. Next to this, innovations, such as 3D-printing, were used to produce face guards close to where they were needed. In close cooperation with the Dutch government, VNCI managed to introduce guidelines for the chemical industry for continuing safe operations during the COVID-19 crisis.
- In the United Kingdom, the **Chemical Industry Association (CIA)** worked with UK regulators to fast-track a system for gaining necessary licenses for manufacturers of alcohol-based hand sanitizer to WHO formulae. As a result, more than 90 new licenses were granted, with companies re-purposing plants to manufacture sanitizer, much of it donated free to the National Health Service.

The Chemical Industry Association of Canada (CIAC) and **BASF** supported the Rapid Response Platform (RRP), an innovative matching platform that connected supply and demand of COVID-19 related supplies, such as input materials and end products for Personal Protective Equipment (PPE), including disposable surgical masks, disposable N95 masks and alternatives, as well as gowns and coveralls.

Section
08Industry Response to
COVID-19 Pandemic

In **Latin America**, companies adapted their facilities to produce chemical products such as disinfectants and cleaning products and detergents and companies and business associations made donations to combat the virus, such as PPE, alcohol gel, detection kits, masks, oxygen and bleach.

- In Argentina, the **Chamber of the Chemical and Energy Industry (CIQyP)**, worked with the local government to recognize the key role that the chemical industry plays in the development of essential services, and manufacturing in general, and was therefore excluded from mandatory quarantine. Many of the companies worked with the nearby community to provide donations of protective equipment (masks), alcohol gel, cleaning products and detection kits, among other actions. Furthermore, the private sector participated in projects for the creation of artificial respirators and agreed on a rapid distribution of oxygen to hospitals and clinics.
- In Brazil, **Brazilian Chemical Industry Association (ABIQUIM)** members worked with government to designate the chemical industry as an essential industry, and developed and provided safe materials handling guidelines for transporting chemicals during the pandemic. Plants adjusted production capabilities to manufacture materials for sanitizers and alcohol gel, among other products, and also worked to collaborate in oxygen distribution logistics. Companies also made numerous donations of materials and equipment to the government, health care providers and communities. ABIQUIM also published two editions of "Guideline for the Continuity of Activities Facing the COVID-19 Pandemic in the Chemical Industry," including process safety recommendations and special orientation in restarting units.

In South Africa, the **Chemical and Allied Industries' Association (CAIA)** and its members committed to working with the South African Government at all levels, as well as a range of other stakeholders, in supporting South Africa's fight to slow the spread of COVID-19. Member companies worked around the clock to support healthcare providers, bolster community hygiene, and provide relief to the most vulnerable in society. Examples of relief programs included:

- Donation of food hampers, blankets, masks, sanitizers and disinfectants.
- Response plans to reduce infection rates among employees and surrounding communities.
- Blood donation drives, as national blood stock levels had gone down.
- Manufacture and provision of sanitizers, and disinfectants.
- Provision of expertise and technical support for the National Ventilator Project.
- Provision of hydrogen fuel units as alternative power sources at field hospitals created to cater for COVID-19 patients.

To recognize members' efforts to combat the spread of COVID-19 as well as assisting affected citizens, CAIA created the once-off CAIA COVID-19 Award that was presented to winners and runner-ups in November 2020. The fight against COVID-19 continues and some members have in 2021, provided their facilities to be used as vaccination centers. For more information, visit [here](#).

In the United States, **American Chemistry Council (ACC)** member companies stepped up quickly to increase manufacture of N95 facemasks and other PPE, hand sanitizers, liquid hand soap, respirators, COVID-19 test kits and other vital equipment, and also provided donations to hospitals, health care facilities and schools. For information on specific ACC member-company efforts, visit [here](#).



Maintaining Critical Industry Operations

Around the globe, the chemical industry worked with national governments to have the chemical industry deemed essential and exempt from business closure orders, in order to continue operations during pandemic-related shutdowns. In some countries, the chemical sector was deemed essential and companies continued operations; in others it was not deemed essential, and operations were shut down or limited.

The chemical industry collaborated with and provided input to regulators in development of rules and regulations related to unique circumstances created by COVID-19, as well as developed guidance and provided training to their member companies on variety of pandemic-related topics. These included COVID-19 specific regulations, rules on the manufacture of sanitizer and PPE, guidance for continuity of operations, COVID-19 risk assessment, human factors and COVID and more.

Companies devoted significant time and resources to making manufacturing sites "COVID-19 safe," including risk assessments, layout changes, signage, sanitizer stations, adapting procedures to ensure social distancing. Numerous companies implemented strict protocols for onsite personnel, including wearing face coverings, temperature checking, staggered hours, split teams with alternating access to the office, plans for managing suspected/confirmed cases, as well as extra cleaning between each team switch.

Many national associations increased communication with member companies, to facilitate sharing of exemplary practices among members and created work groups to address specific issues including cross-border supply chain goods movement and specific challenges faced by foreign workers.

APPENDIX: Map of RCLG National Associations

- | | |
|------------------------------|------------------------------|
| 1. Arabian Gulf ¹ | 33. Malaysia |
| 2. Argentina | 34. Mexico |
| 3. Australia | 35. Morocco |
| 4. Austria | 36. Myanmar |
| 5. Belgium | 37. Netherlands |
| 6. Brazil | 38. New Zealand |
| 7. Bulgaria | 39. Norway |
| 8. Canada | 40. Pakistan |
| 9. Chile | 41. Peru |
| 10. China | 42. Philippines |
| 11. Chinese Taipei | 43. Poland |
| 12. Colombia | 44. Portugal |
| 13. Croatia | 45. Romania |
| 14. Czech Republic | 46. Russia |
| 15. Denmark | 47. Singapore |
| 16. Ecuador | 48. Slovak Republic |
| 17. Egypt | 49. Slovenia |
| 18. Estonia | 50. South Africa |
| 19. Finland | 51. South Korea |
| 20. France | 52. Spain |
| 21. Germany | 53. Sri Lanka |
| 22. Greece | 54. Sweden |
| 23. Hungary | 55. Switzerland |
| 24. India | 56. Thailand |
| 25. Indonesia | 57. Turkey |
| 26. Ireland | 58. Ukraine |
| 27. Israel | 59. United Kingdom |
| 28. Italy | 60. United States of America |
| 29. Japan | 61. Uruguay |
| 30. Kenya | 62. Venezuela |
| 31. Latvia | 63. Vietnam |
| 32. Lithuania | |



¹ Saudi Arabia, Kuwait, United Arab Emirates, Qatar, Oman, Bahrain



APPENDIX: RCLG Associations

ARABIAN GULF¹

Gulf Petrochemical and Chemical Association (GPCA)

Udit Arora

✉ udit@gpca.org.ae

🌐 www.gpca.org.ae

Joined RCLG in 2009.

Membership: 35 full members and 217 associate members

Responsible Care companies: 24

ARGENTINA

Cámara de la Industria Química y Petroquímica (CIQyP)

Rolando García Valverde

✉ rgarciavalverde@ciqyp.org.ar

🌐 www.ciqyp.org.ar

Joined RCLG in 1992.

Membership: 101 companies

Responsible Care companies: 40

AUSTRALIA

Chemistry Australia

Samantha Read

✉ sread@chemistryaustralia.org.au

🌐 www.chemistryaustralia.org.au

Joined RCLG in 1989.

Membership: 85 companies

Responsible Care companies: 23

AUSTRIA

Fachverband der Chemischen Industrie Österreichs (FCIO)

Dominique Schröder

✉ schroeder@fcio.at

🌐 www.fcio.at/nachhaltigkeit/responsible-care

Joined RCLG in 1992

Membership: 240 companies

Responsible Care companies: 30

¹ Saudi Arabia, Kuwait, United Arab Emirates, Qatar, Oman, Bahrain

BELGIUM

essencia

📍 800 Boulevard Auguste Reyers
B-1030 Brussels

Sophie Bracke

✉ SBracke@essencia.be

🌐 www.essencia.be

Joined RCLG in 1991.

Membership: 700 companies

Responsible Care companies: 700

BRAZIL

Brazilian Chemical Industry Association (ABIQUIM)

Luiz Shizuo Harayashiki

✉ luiz.shizuo@abiquim.org.br

🌐 www.abiquim.org.br

Joined RCLG in 1992

Membership: 116 companies

Responsible Care companies: 116

BULGARIA

Bulgarian Chamber of Chemical Industry

Liliana Dombalova

✉ ld@bcc2001.com

🌐 www.bcci2001.com

Joined RCLG in 2004.

Membership: 30 companies

Responsible Care companies: 18

CANADA

Chemistry Industry Association of Canada (CIAC)

Shannon Watt

✉ swatt@canadianchemistry.ca

🌐 www.canadianchemistry.ca

Founded and adopted Responsible Care in 1985.

Membership: 58 companies

Responsible Care companies: 51

CHILE

Asociación Gremial de Industriales Químicos de Chile (ASIQUIM)

 **Cinthya Rojo Montaner**

 subgerente@asiquim.cl

 www.asiquim.com

Joined RCLG in 1994
Membership: 125 companies
Responsible Care companies: 55

CHINA

Association of International Chemical Manufacturers (AICM)

 **John Gao**

 johngao@aicm.cn

 www.aicm.cn

Joined RCLG in 1992.
Membership: 65 companies
Responsible Care companies: 65

CHINA

China Petroleum and Chemical Industry Federation (CPCIF)

 **Wei Li**

 550460472@qq.com

 www.cpcia.org.cn

Joined RCLG in 2010.
Membership: 525 companies
Responsible Care companies: 80

CHINESE TAIPEI

Taiwan Responsible Care Association (TRCA)

 **Renata Hsu**

 Renata.hsu@trca.org.tw

 www.trca.org.tw

Joined RCLG in 1997.
Membership: 140 companies
Responsible Care companies: 140

COLOMBIA

Responsabilidad Integral Colombia

 **Ana Maria Ocampo Gomez / Javier Mauricio Cardozo**

 Anamaria.ocampo@responsabilidadintegral.org

 Javier.cardozo@responsabilidadintegral.org

 www.responsabilidadintegral.org

Joined RCLG in 1994.
Membership: 39 companies
Responsible Care companies: 39

CROATIA

Croatian Chamber of Economy

Croatian Chemical Industry Association

Croatian Responsible Care Group

 **Gordana Pehcec Pavlović**

 gpehcec@hgk.hr

Joined RCLG in 1986.
Membership: 360 companies
Responsible Care companies: 14

CZECH REPUBLIC

Association of Chemical Industry of the Czech Republic

 **Ladislav Špaček**

 ladislav.spacek@schp.cz

 www.schp.cz

 www.responsiblecare.cz

Joined RCLG in 1994.
Membership: 135 companies
Responsible Care companies: 82

DENMARK

Procesindustrien (PI)

Confederation of Danish Industry

 **Julius Møller Meilstrup**

 JUMM@DI.DK

 Process.di.dk

Joined RCLG in 1995.



ECUADOR

Asociación de Productores Químicos del Ecuador (APROQUE)

👤 Miguel Angel Costales
 ✉ rc-ecuador@aproque.com
 ✉ direccion@aproque.com
 🌐 www.aproque.com

Joined RCLG in 1999.
 Membership: 38 companies
 Responsible Care companies: 33

EGYPT

Environmental Compliance Office & Sustainable Development Federation of Egyptian Industries (ECO SD)

👤 Eng. Ahmed Kamal
 ✉ akamal@eco-fei.net

👤 Eng. Adel Taha
 ✉ ataha@eco-fei.net
 🌐 www.eco-fei.org

Joined RCLG in 2016
 Membership: 6,000 companies
 Responsible Care companies: 35

ESTONIA

Estonian Chemical Industry Association (ECIA)

👤 Kärt Kasak
 ✉ kart@keemia.ee
 🌐 www.keemia.ee/en

Joined RCLG in 2004
 Membership: 56 companies
 Responsible Care companies: 13

FINLAND

Kemianteollisuus ry, Chemical Industry Federation of Finland (KT RY)

👤 Johanna Penttjärvi
 ✉ johanna.pentjarvi@kemianteollisuus.fi
 🌐 www.responsiblecare.fi

Joined RCLG in 1992
 Membership: Approximately 400 companies and 13 associations
 Responsible Care companies: 98



FRANCE

France Chimie

👤 Aurore Fries
 ✉ afries@francechimie.fr
 🌐 www.francechimie.fr

Joined RCLG in 1990
 Membership: Approximately 350 companies
 Responsible Care companies: Approximately 350

GERMANY

Verband der Chemischen und Pharmazeutischen Industrie e.V. (VCI)

👤 Martina Schönnenbeck
 ✉ schoennenbeck@vci.de
 🌐 www.vci-online.de

Joined RCLG in 1991.
 Membership: 1,700 companies
 Responsible Care companies: 1,700

GREECE

Hellenic Association of Chemical Industries

👤 Panos Scarlatos
 ✉ pscarlatos@suschem.gr / haci@otenet.gr
 🌐 www.haci.gr

Joined RCLG in 1994.
 Membership: 72 companies (43 full members, 29 associate members)
 Responsible Care companies: 40

HUNGARY

Hungarian Chemical Industry Association

👤 Magda Bada Gáspárné
 ✉ magda@mavesz.hu
 🌐 www.mavesz.hu

Joined RCLG in 1990.
 Membership: 51 companies
 Responsible Care companies: 32



INDIA

India Chemical Council (ICC)

 **Pranav Tripathi**

 pranav.tripathi@iccmil.in

 www.indianchemicalcouncil.com

Joined RCLG in 2012.

Membership: 274 companies

Responsible Care companies: 74

INDONESIA

Responsible Care Indonesia

 **Muhammad Setyabudhi Zuber**

 setyabudhi@responsiblecare-indonesia.or.id

 www.responsiblecare-indonesia.or.id

Joined RCLG in 1999.

Membership: 100 companies

Responsible Care companies: approximately 60

IRELAND

BioPharmaChem Ireland

 **Michael Gillen**

 Michael.gillen@ibec.ie

 https://biopharmachemireland.ie/

Joined RCLG in 1990.

Membership: 50 companies

Responsible Care companies: 40

ISRAEL

Manufacturers' Association of Israel (MAI)

Chemical, Pharmaceutical & Environmental Society (CPECS)

 **Carmel Feldman**

 chemical@industry.org.il

 www.industry.org.il

Joined RCLG in 2001.

Membership CPES: 170 companies

Responsible Care companies: 14



ITALY

Federazione Nazionale dell'Industria Chimica

 **Enrico Brena**

 e.brena@federchimica.it

 Federchimica.it

Joined RCLG in 1992.

Membership: Approximately 1,400 companies

Responsible Care companies: 165

JAPAN

Japan Chemical Industry Association (JCIA)

 **Kozo Tachibana**

 ktachibana@jcia-net.or.jp

 www.nikkakyo.org/

Joined RCLG in 1995.

Membership: 178 companies

Responsible Care companies: 118



KENYA

Responsible Care Kenya

 **Georgina Wachuka**

 Georgina.Wachuka@kam.co.ke

 www.kam.co.ke

Joined RCLG in 2021

Membership: XX companies

Responsible Care companies: XX



LATVIA

The Association of Latvian Chemical and Pharmaceutical Industry (LAKIFA)

 **Raina Dūrēja**

 rdureja@lakifa.lv

 www.lakifa.lv

Joined RCLG in 2004.



LITHUANIA

The Association of Lithuanian Chemical Industry Enterprises

Giedrius Mažūnaitis
 info@chemija.lt
<http://www.chemija.lt>

Joined RCLG in 2004
 Membership: 12 companies
 Responsible Care companies: 3

MALAYSIA

Chemical Industries Council of Malaysia (CICM)

Chan Pek Wan
 Pek_wan@fmm.org.my
www.cicm.org.my

Joined RCLG in 1999.
 Membership: 106
 Responsible Care companies: 75

MEXICO

Asociación Nacional de la Industria Química, A.C. (ANIQ)

Juan Pablo Díaz Garzón Carballido
 pdiaz@aniq.org.mx
aniq.org.mx

Joined RCLG in 1991.
 Membership: 254 companies
 Responsible Care companies: 135

MOROCCO

Federation de la Chimie et de la Parachimie (FCP)

Abdelouafi Digua
 FCP@fcparoc.org
 A.Digua@fcparoc.org
www.fcparoc.org

Joined RCLG in 1998.
 Membership: 78 companies
 Responsible Care companies: 11

MYANMAR

Myanmar Responsible Care Council (MRCC)

Win Htin
 mciamyanmar@gmail.com
 b.winhtin@gmail.com

Joined RCLG in 2012.
 Membership: 43 companies
 Responsible Care companies: 10

NETHERLANDS

Royal Association of the Dutch Chemical Industry (VNCI)

Martijn van Engelenburg
 vanengelenburg@vncl.nl
www.vncl.nl

Joined RCLG in 1990.
 Membership: 132 companies
 Responsible Care companies: 132

NEW ZEALAND

Responsible Care New Zealand (RCNZ)

Barry Dyer
 Barry@responsiblecarenz.com
www.Responsiblecarenz.com

Joined RCLG in 1989.
 Membership: 125 companies
 Responsible Care companies: 125

NORWAY

Norsk Industri

Sverre Alhaug Hostmak
 Sverre.hostmark@norskindustri.no
www.norskindustri.no

Joined RCLG in 1993



PAKISTAN

Pakistan Chemical Manufacturers Association (PCMA)

 **Tahir Jamal Qadir**

 tahir@pcma.org.pk

 www.pcma.org.pk

Joined RCLG in 2017.

Membership: 80 companies

Responsible Care companies: 5

PERU

Comité de la Industria Química de la Sociedad Nacional de Industrias (SNI)

 **Rosa María del Castillo Rosas**

 rmdelc@sni.org.pe

 www.sni.org.pe/comite-la-industria-quimica/

Joined RCLG in 1996.

Membership: 30 companies

Responsible Care companies: 19

PHILIPPINES

Chemical Industries Association of the Philippines (SPIK)

 **Antonette Fallarme**

 spik.secretariat@gmail.com

 <http://spik.com.ph>

Joined RCLG in 1996.

Membership: 72 companies

Responsible Care companies: 26

POLAND

Polish Chamber of Chemical Industry

 **Klaudia Kleps**

 Klaudia.Kleps@pipc.org.pl

 www.pipc.org.pl

Joined RCLG in 1992.

Membership: 148 companies

Responsible Care companies: 12



PORTUGAL

APQuímica - Portuguese Chemical, Petrochemical and Refining Association

 **Carla Pedro**

 carla.pedro@apquimica.pt / info@apquimica.pt

 www.apquimica.pt

Joined RCLG in 1993.

Membership: 42 companies

Responsible Care companies: 21

ROMANIA

Romanian Chemical Producers and Distributors Association

 **Georgiana Surdu**

 office@apdcr.ro

 <https://apdcr.ro/en/news/>

Joined RCLG in 2020.

Membership: 18 companies

Responsible Care companies: 6



RUSSIA

Russian Chemist Union (RCU)

 **Anna Makarova**

 reach@ruschemunion.ru

 www.ruschemunion.ru/

Joined RCLG in 2007.

Membership: 140 companies

Responsible Care companies: 60

SINGAPORE

Singapore Chemical Industry Council (SCIC)

 **Wendy Chai**

 wendy@scic.sg

 www.scic.sg

Joined RCLG in 1990.

Membership: 162 companies

Responsible Care companies: 72



SLOVAK REPUBLIC

Association of Chemical and Pharmaceutical Industry of the Slovak Republic

 **Silvia Surova**
 silvia.surova@zchfp.sk
 www.zchfp.sk
 www.rcsk.sk

Joined RCLG in 1996.
Membership: 60 companies
Responsible Care companies: 15

SLOVENIA

The Association of Chemical Industries of Slovenia (ACIS)

 **Darja Boštjančič**
 darja.bostjancic@gzs.si
 https://www.gzs.si/zdruzenje_kemijske_industrije

Joined RCLG in 1998.
Membership: 86 companies
Responsible Care companies: 16

SOUTH AFRICA

Chemical and Allied Industries' Association (CAIA)

 **Deidre Penfold**
 **Amon Nyamhingura**
 Deidre.penfold@caia.co.za
 rcare2@caia.co.za
 www.caia.co.za

Joined RCLG in 1994
Membership: 155
Responsible Care companies: 109

SOUTH KOREA

Korea Responsible Care Council (KRCC)

 **Yongheum Ian Yeon**
 rcmaster@krcc.or.kr
 www.krcc.or.kr

Joined RCLG in 2000.
Membership: 50 companies
Responsible Care companies: 50

SPAIN

FEIQUE

 **Jesus Soriano**
 jsm@feique.org
 www.feique.org

Joined RCLG in 1993.
Membership: 37 companies and 18 sectoral associations
Responsible Care companies: 69

SRI LANKA

Lanka Responsible Care Council (LRCC)

 **Lakmini Edirisinghe**
 lakminincm@yahoo.com
 www.lankaresponsiblecare.org

Joined RCLG in 2012.
Membership: 40 companies
Responsible Care companies: 40

SWEDEN

Innovation and Chemical Industries in Sweden (IKEM)

 **Kristina Neimert Carne**
 Kristina.neimertcarne@ikem.se
 www.ikem.se

Joined RCLG in 1991.
Membership: 160 companies
Responsible Care companies: 48

SWITZERLAND

scienceindustries

 **Linda Kren**
 linda.kren@scienceindustries.ch
 www.scienceindustries.ch

Joined RCLG in 1990s
Membership: 250 companies
Responsible Care companies: 250

THAILAND

Responsible Care Management Committee of Thailand (RCMCT)

 **Krittanon Yuen-Ying**
 krittanon.yuen-ying@dow.com
 www.responsiblecare.or.th/

Joined RCLG in 1998.
Membership: 73 companies
Responsible Care companies: 73

TURKEY

Turkish Chemical Manufacturers Association (TCMA)

 **Emine Soylu Taşkın**
 emine.soylu@tksd.org.tr
 www.tksd.org.tr

Joined RCLG in 1993.
Membership: 86 companies
Responsible Care companies: 86

UKRAINE

Ukraine Chemists Union (UCU)

 **Anton Mukomela**
 reach_cherkassy@gmail.com
 www.chemunion.org.ua

Joined RCLG in 2011.

UNITED KINGDOM

Chemical Industries Association (CIA)

 **Phil Scott**
 scottp@cia.org.uk
 www.cia.org.uk

Joined RCLG in 1989.
Membership: 150 companies
Responsible Care companies: 150



UNITED STATES OF AMERICA

American Chemistry Council (ACC)

 **Tara Henriksen**
 Tara_Henriksen@americanchemistry.com
 www.americanchemistry.com

Joined RCLG in 1988.
Membership: 155 companies
Responsible Care companies: 155

URUGUAY

Asociación de Industrias Químicas del Uruguay (ASIQUR)

 **Milton Vázquez**
 cuidadoresponsable@asiqur.org
 www.asiqur.org

Joined RCLG in 1998.
Membership: 37 companies
Responsible Care companies: 37



VENEZUELA

Venezuelan Association of the Chemical and Petrochemical Industry

 **Geraldina Palm de Pulido**
 gpulido@asoquim.com
 www.asoquim.com

Joined RCLG in 1992
Membership: 177 companies
Responsible Care companies: 15



VIETNAM

Vietnam Responsible Care Council (VRCC)

 **Do Thanh Bai**
 baidothanh@gmail.com
 http://vrcc.com.vn

Joined RCLG in 2015.
Membership: 52 companies
Responsible Care companies: 52



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