# 2015 RESPONSIBIE CAI

RESPONSIBLE CARE STATUS REPORT



# Responsible Care® commits the chemical industry to:

- → Proactively support safe chemicals management
- → Safeguard people and the environment by continuously improving our 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.
- → Strengthen chemicals management systems by participating in the development and implementation of lifecycle-oriented, soundscience and risk-based chemical safety legislation and best practices.
- → Influence business partners to promote the safe management of chemicals within their own operations
- → Engage stakeholders, understand and respond to their concerns and expectations for safer operations and products, and communicate openly on our performance and products.
- → Contribute to sustainability through improved performance, expanded economic opportunities and the development of innovative technologies and other solutions to societal challenges.

# About Responsible Care & the Responsible Care Leadership Group

First conceived in Canada 30 years ago, Responsible Care has been the chemical industry's premier performance initiative since 1985. By the end of 2014, Responsible Care was being implemented by 58 chemical associations in more than 60 countries around the globe.

Those associations are responsible for the detailed implementation of Responsible Care in their country. Individual countries' programmes are at different stages of development and have different emphases, and are monitored and coordinated by the Responsible Care Leadership Group (RCLG) of the International Council of Chemical Associations. Expansion of Responsible Care is set to continue with expressions of interest and applications from new countries in Asia, Africa and Europe.

The Responsible Care Global Charter (see page 4), launched publicly at the first UN International Conference on Chemicals Management in February 2006, was revised and strengthened under an ICCA review process in 2014. The Charter seeks to harmonize, govern and expand the Responsible Care ethic globally. It also launched a new focus on product stewardship throughout the supply chain and promised continued contributions to sustainable development. As of early September 2015, more than 315 chemical companies belonging to ICCA associations, and almost 80% of the world's largest chemical companies, had signed up to the 2014 Global Charter.

The RCLG continues to pursue efforts to achieve additional support for the Charter from leading global chemical firms. It seeks to fully implement the Responsible Care Global Charter through national chemical associations and company members.

### FACING PAGE

Canada sowed the seed that has grown into the global Responsible Care\* initiative. Thirty years on, member companies of the Chemistry Industry Association of Canada (CIAC) continue to strive to "do the right thing and be seen to do the right thing." Photo from CIAC conference 'Chemistry 2015: Safe. Secure. Sustainable.'



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# THE RESPONSIBLE CARE® GLOBAL CHARTER

First published in 2006, the Responsible Care Global Charter was revised in 2014 to respond to current stakeholder expectations, as well as to the opportunities and challenges facing the global chemical industry.

CEO signatories to the Charter commit to actively strengthen Responsible Care worldwide by dedicating their company, people, technologies and business practices to these six Key Elements:



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

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 programmes where the company has significant business activities¹;
- → 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.



Safeguarding People and the Environment by

continuously improving our 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.

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.



## Strengthening Chemicals Management Systems

by participating in the development and implementation of lifecycleoriented, sound-science and risk-based chemical safety legislation and best practices.

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 Harmonised System of Classification and Labelling of Chemicals (GHS) and the Longrange Research Initiative (LRI).



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

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.



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

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.



Contributing to
Sustainability through
improved performance,
expanded economic
opportunities and
the development of
innovative technologies
and other solutions to
societal challenges.

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.

 $\mathbf{4}$ 

<sup>&</sup>lt;sup>1</sup>The effective implementation and credibility of Responsible Care and fulfilment of related commitments in the Global Charter requires the fullest participation of leading chemical companies, wherever they have significant business activities.



here have been some major developments to industry's global Responsible Care® initiative since publication of our Progress Report in 2012. The Responsible Care Global Charter (see previous page) has been revised and improved a decade after its development, and CEOs of leading multinational companies have been joined by numerous others in signing the Charter, which commits them to "actively strengthen Responsible Care worldwide." Significantly, we can now count on that effort being shared by company leaders from the world's largest chemicals manufacturer, China, which became a member of the Responsible Care Leadership Group in 2014.

With a share of over 30% of global sales in 2013\*, China's chemical industry has a profound effect on the entire sector. The country's successful implementation of Responsible Care is essential to enable industry to fulfil its commitment to sound chemicals management worldwide. ICCA is working closely with the China Petroleum and Chemical Industry Federation, through the RCLG, as well as through direct CEO-to-CEO contact at leadership events held in China in 2014 and 2015.

In addition, two other national associations - Myanmar and Sri Lanka - have joined the RCLG since 2012. Each of these new members faces its own particular challenges as they progress with their Responsible Care programme. We will encourage and support their efforts through our strong global network and capacity building activities.

This growth is part of our commitment to spread the ethic globally. The inclusion of China, Myanmar and Sri Lanka swells our number of member associations to 58 (with the Gulf Petrochemicals and Chemicals Association representing six countries); before the year end we will hear Vietnam's application to join the RCLG, and membership could top 60 during 2016 with the addition of Egypt and Croatia.

\*Source: Cefic Chemdata 2014

RCLG Chairman Hans-Jürgen Korte (right) with Li Yongwu Chairman of the China Petroleum & Chemical Industry Federation (left) and Dr Tang Jian, CPCIF International Dept. And Responsible Care is growing in the African region as well – ICCA is currently introducing Responsible Care to Ghana, Kenya and Tanzania, and capacity building activities in other countries will follow in the near future. More detail on how this is being achieved is included in the "Capacity Building" section of this report (page 18). Additionally, our efforts to strengthen Responsible Care in India are bearing fruit, and it's gratifying to see improved levels of engagement especially at the company level in this important chemicals production base.

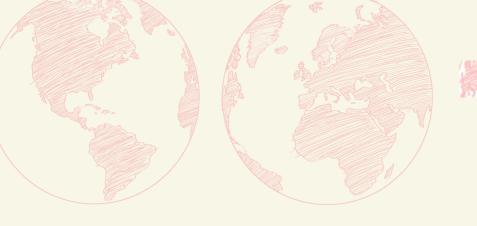
Other key areas of emphasis in 2015 and beyond include further strengthening global data collection on key performance indicators in continued support of ICCA's contributions to SAICM - the UN Strategic Approach to International Chemicals Management (page 12). The recently-approved global process safety metric reflects our ongoing efforts in this arena.

We continue to seek improved industry performance and credibility through transparency and dialogue with external parties at international level such as the United Nations and the Organisation for the Prohibition of Chemical Weapons, as well as with national governments and NGOs. This report is just one facet of that effort, and we welcome your feedback and your thoughts.

### HANS-JÜRGEN KORTE

Solvay SA, Senior Corporate Government & Public Affairs Manager Chairman of RCLG









The chemical industry plays a vital role in the creation of innovative, ground-breaking products that bring major societal benefits to quality of life, health, productivity, convenience and safety. Industry has a duty to ensure the safe management of its products and therefore is committed to the United Nations-led Strategic Approach to International Chemicals Management (SAICM). The goal of SAICM is to ensure that, by 2020, chemicals are produced and used in ways that minimize significant adverse impacts on human health and the environment.

Individually, companies work closely with their business partners as well as through their national chemicals association and ICCA to extend product stewardship, which signifies the industry's management of the environmental, health and safety (EHS) performance of chemical products



throughout their

entire lifecycle.

Global Product Strategy

ICCA's Global Product Strategy (GPS), launched at the first International Conference on Chemicals Management (ICCM1) in 2006, builds on and extends industry's product stewardship efforts and is pivotal to industry's implementation of SAICM.

Various components of the GPS strengthen key product stewardship aspects of Responsible Care®, from improving ways in which the chemical industry works with customer and supplier industry groups, to tracking industry performance and reporting it publicly; and from building partnerships with stakeholders, to enhancing communications activities.

The RCLG works closely with ICCA's Chemical Policy & Health (CP&H) Leadership Group to promote the GPS to chemical associations and their member companies around the world. Our latest survey shows that more than two-thirds of associations and their members are implementing the product stewardship components of GPS. These associations also provide an important network for the ICCA to communicate with companies and other stakeholders worldwide about GPS.

ICCA global guidelines for product stewardship provide Responsible Care® associations with







an important tool for developing the regional or country-specific product stewardship programmes that are implemented by member companies. The guidelines provide practical help throughout the chemical chain of commerce, particularly for those with less product stewardship expertise or fewer resources at their disposal.

### **GPS Chemicals Portal**

In parallel, the CP&H Leadership Group also has defined a "base-set" of hazard and exposure information for chemicals in commerce and developed best practice recommendations on how to improve safety assessment processes, with a focus on developing economies. The GPS Chemicals Portal, launched in 2010, provides relevant information on chemicals to supply chain partners and the public in an understandable format. To date, association member companies have provided more than 4,500 GPS Safety Summaries to the Portal.

# ICCA/UNEP Memorandum of Understanding

ICCA also has collaborated with the United Nations Environment Programme (UNEP) under a joint Memorandum of Understanding, to develop guidance for governments for improving their chemical management systems. The ICCA Regulatory Toolbox Guidance on the Introduction

or Revision of Legislation on Chemicals Management for Developing Countries, published in 2013, reflects ICCA's belief that the most effective and efficient chemicals management is achieved through a combination of science and risk-based regulation and voluntary industry initiatives such as Responsible Care and the GPS.

The toolbox primarily gives guidance to governments in developing countries on how to integrate GPS elements into national chemical management legislation in order to:

- Reduce the differences in the safe handling of chemical substances between developing, emerging and industrialized countries;
- · Minimize costs and complexity for local industry to comply with regulation;
- Eliminate or reduce non-tariff barriers to trade.

### Capacity Building Workshops

Since ICCM1, more than US\$1.8 million in ICCA capacity building support for over 170 projects in 46 countries has helped small and mediumsized enterprises (SMEs) in the chemical industry, as well as downstream customers and governments in developing countries (see page 18 for more on capacity building.)

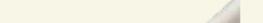
Further detail on ICCA's Global Product Strategy and product stewardship efforts is available at the ICCA website, www.icca-chem.org.

Recent celebrations in South Africa, France and Colombia marked Responsible Care milestones and included a strong focus on chemicals management

The chemical industry plays a vital role in the creation of innovative products: a researcher at work in the Solvay Singapore laboratory © Alvin Tan - Solvay photolibrary







# STRENGTHENING PERFORMANCE REPORTING

Performance reporting is a key component of Responsible Care®. Our reporting activities are being reinforced and refined, thanks to industry's efforts at company, national, regional and international level. Added impetus and credibility comes from working within the framework of the United Nations' Strategic Approach to International Chemicals Management (SAICM) reporting process.

This section on performance reporting shows how our industry continues to monitor and, on the whole, improve its performance in key areas, while striving for transparency with stakeholders. As RCLG membership grows, we are seeing that the inclusion of data from new members (where regulatory systems and working practices may still be in development) is having an impact on the mostly positive trends seen in more recent years.

For some parameters, we now have more than double the number of reporting associations than a decade ago. First-time data from Russia and Ukraine, and generally more accurate figures, have had particular impact on the 2013 data.

The majority of RCLG member associations around the world report on performance as part of their obligations under national or regional regulation; for example, reporting of environmental and waste data is addressed under the European Pollutant Release and Transfer Register (E-PRTR) system for all countries in the EU.

Under the Responsible Care Global Charter, companies commit to collect and report data for a core set of environmental, health and safety (EHS) performance measures, while each RCLG association is expected to collect, collate and report this data from its members.

Following on from the data presented in the five reports issued since 2002, our sixth round of global performance reporting includes national association data for calendar year 2013. As in previous years, challenges include the fact that some associations are not able to provide data and others provide only partial figures.

Efforts continue to support and encourage all associations to report for upcoming

years and to ensure the quality of the data reported improves. This process, amongst other things, promotes sharing of best practices in the spirit of Responsible Care.

### An evolving process

In order to monitor, benchmark and communicate chemical industry achievements at the local, national, regional and global levels, we are building a comprehensive assessment of our EHS performance based upon common definitions.

Agreement and collection of data based on a core set of quantitative "Indicators of Performance" was the first step in achieving the objectives of measuring, improving and sharing of performance results. In 2001, the RCLG agreed to present the first ICCA performance indicators, country by country.

Since that time, we have gradually introduced further parameters with the addition of data covering energy and water consumption, CO<sub>2</sub> emissions and distribution incidents.

The most recent indicator developed by ICCA covers process safety and will be introduced progressively over the next few years (see panel).

### A pioneering sector

The chemical sector pioneered global performance reporting. That said, the data presented here is still somewhat fragmented. It has been compiled by ICCA and reviewed internally for quality assurance but it has not been through any formal external review process. We have achieved common reporting definitions but some differences remain, largely a result of national regulations in place. An example is the varying definitions of a distribution incident or what constitutes a "lost workday" due to an injury.

We provide the most complete dataset available for our industry with a commitment to continuously improve the way we measure, report and engage in dialogue about our performance.

The Indicators featured in this section cover the years 2003 - 2013 (2000 - 2013 in the case of safety data), and are as follows:

### NEW PROCESS SAFETY INDICATOR

Industry's focus on improving process safety is evident in a number of recent activities. For instance, ICCA actively participated in development of the OECD Process Safety Guidance for senior leaders published in 2012. In addition, revisions to the Responsible Care® Global Charter now specifically articulate a company's intention to improve "the environmental, health and safety performance and security of our facilities, processes and technologies."

Another important initiative was launched in 2012, when the ICCA Board tasked industry to establish a globally harmonized approach to process safety. The global metric and reporting process developed by the RCLG involves a flexible implementation schedule and an approach that will work for all nations whether they have a nascent or more mature chemicals manufacturing sector. To accommodate effective approaches already in place, the RCLG standard and reporting process allows use of both the GHS (Globally Harmonized System for Classification and Labelling of Chemicals) and the UNDG (UN Dangerous Goods) classification tables to define releases. Analysis has shown that whichever definition companies decide to use, both the GHS and UNDG release tables capture 95% of incidents.

Starting in 2016, RCLG member associations will be asked to report two data points to ICCA: "Total number of Process Safety Events (PSE)" and "Total employee hours." This latter data point is already collected under the RCLG performance metric on occupational safety rates. The data will enable calculation of a Process Safety Event Rate (PSER), normalized on a per 100 employee basis.

ICCA will publicly report the aggregated rate at national level when enough data is available. ICCA circulated detailed guidance for national associations in mid-2015; a pilot programme will run during 2016 involving associations already in a position to report PSER. Optional reporting for all RCLG members will be launched progressively beginning in 2017 with full implementation targeted for 2019.



### Health & Safety:

- Number of fatalities.
- Lost time injury rate, expressed as number of lost time accidents with at least one day out of work per million working hours.

### Environment:

- Emissions to air: sulfur dioxide (SO<sub>2</sub>) and nitrogen oxides (NOx), expressed as metric tonnes.
- Discharges to water: chemical oxygen demand (COD), expressed as metric tonnes of oxygen.
- Greenhouse gas emissions, expressed as millions of direct and indirect metric tonnes of CO<sub>2</sub> equivalents emitted.
- Greenhouse gas intensity, expressed as metric tonnes of CO<sub>2</sub> equivalents emitted per million metric tonnes of production.

### Resources:

- Energy consumption, expressed as metric tonnes of fuel oil equivalent used.
- Energy intensity, expressed as metric tonnes of fuel oil equivalents used per million metric tonnes of production.
- Water consumption, expressed as millions of cubic meters of water consumed, with returns credited.

### Distribution:

• Number of transport incidents.

### Reference parameters:

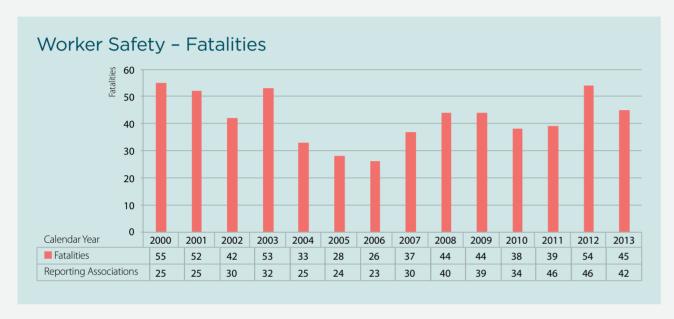
- Number of employees in the chemical industry reporting.
- Annual turnover and production for the chemical industry reporting.

# **Health & Safety**

### **Fatalities**

Responsible Care® commits companies to continuously improve performance so as to avoid harm to people. So it is with deep regret that our industry continues to see fatalities among its workforce. Although our fatality rate is very low compared to other manufacturing sectors, our goal is zero fatalities, and every fatality must be

regarded as one too many. We recognize there is still much to do in safety management across the industry if we are to achieve this target. And when RCLG membership expands to include nations where high standards of worker health and safety are still under development, it is expected that inclusion of their data will reflect this.



### Lost Time Injury Rate (LTIR)

Whilst this safety indicator is the best known of all EHS indicators, differences in culture and legislation among countries do not allow a full comparison between the figures. With a

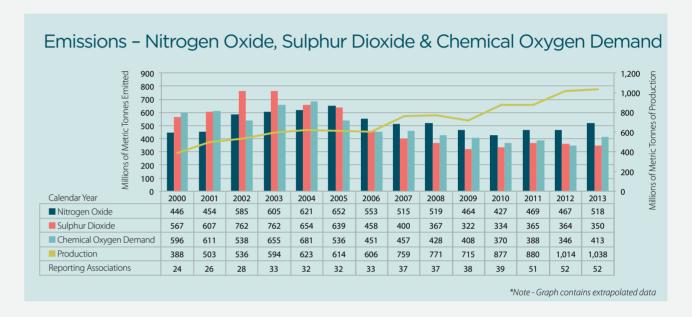
considerable number of the RCLG countries reporting, this measure is made with significant confidence in the data. Of course our industry strives for no injuries within our workplaces.



# **Environment**

Although it is not possible to fully compare actual emissions to air or the discharges to water among associations, due to differences in types of chemical installation, total production and many other factors, it is possible to compare trends. An increase of more than 25% on the number of reporting associations since 2010 has been accompanied by an increase in NOx emissions.

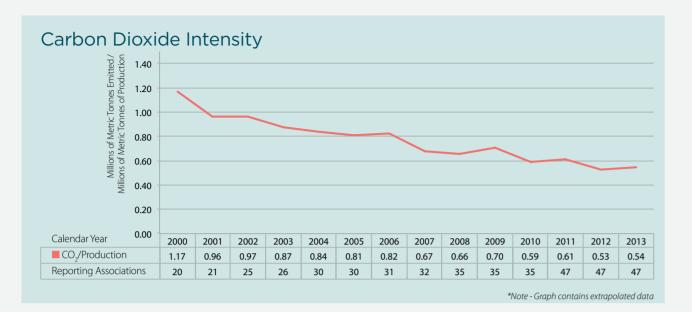
albeit much less than 25%, and a lesser rise in COD. Companies and federations are encouraged to collect data and publish their own reports taking into account these defined core parameters, and adding other parameters to reflect national or local concerns. These parameters are also among the most broadly and consistently measured and reported among the RCLG associations.



Two of the more recent additions to Responsible Care® reporting are carbon dioxide ( ${\rm CO_2}$ ) equivalents emissions and intensity (see below and overleaf). Even though reported chemical industry production has increased by 75%, reported total  ${\rm CO_2}$  emissions by Responsible Care associations

have risen by only 47%. There has also been a dramatic rise in the number of associations now tracking this important parameter, which will enable ICCA to better understand our industry's impacts, and to engage more meaningfully in future climate change discussions.



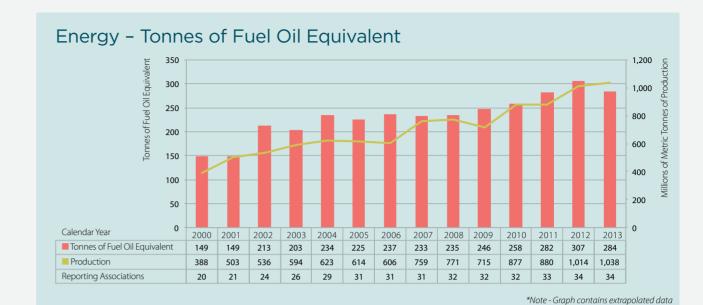


# Resources

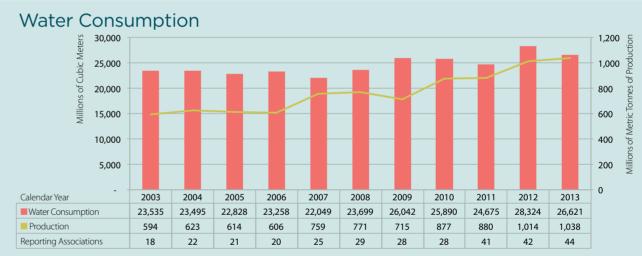
Responsible Care® embodies our commitment to sustainability, and thus industry's commitment to minimize its footprint. For

this reason, RCLG associations track and report energy use and water consumption.





The chemical industry is extremely energyintensive and is focused on improving the efficiency of its plants, processes and products. At the same time, the industry contributes significantly to downstream energy savings in the form of more fuelefficient homes and vehicles, solar panels and wind power turbine solutions, for example.



\*Note - Graph contains extrapolated data

This is the fourth time the RCLG is publishing data on water consumption. In some parts of the world, water conservation is of vital importance to a country's population and its economy. In others, where water resources are not under pressure, it has not been regarded as a priority,

and historically associations in these countries did not require member companies to report on this indicator. Now that water consumption has been identified as a key performance indicator at the global level, we have seen a 144% increase in the number of associations reporting.

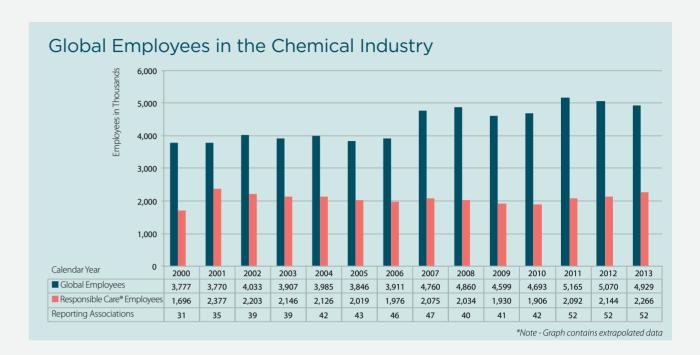
# **Distribution**

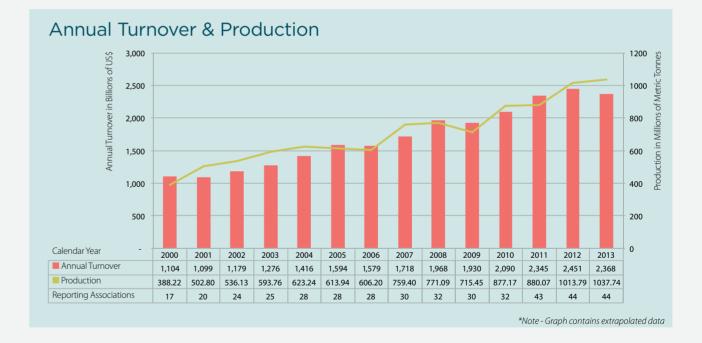
This chart provides data on incidents involving the transport of dangerous goods. The number of associations reporting against this important metric has shown a strong increase since 2012 - up from 33 to 41 - so it is gratifying to nevertheless see a small decline in the number of incidents.





# **Reference Data**







Capacity building is a tool to improve chemicals management. enabling ICCA member companies to share best practices in environment, health and safety (EHS) and improve chemicals management and product stewardship through the supply chain, to help achieve the objectives of the UN's Strategic Approach to International Chemicals Management (SAICM).

Global capacity building involves a range of activities such as working with regulators and the authorities to prevent illegal traffic, developing emergency response programmes, training distributors on safe handling, and promoting technology transfer. The RCLG frequently pools resources with ICCA's Chemicals Policy & Health Leadership Group under joint efforts to strengthen product stewardship activities and implement the Global Product Strategy.

We continue to work with companies and associations across the globe to expand Responsible Care® to new geographies, as well as to assist existing RCLG member associations to develop and enhance their current programmes.

China's massive chemical industry is now working in earnest with the RCLG to realize the long-term benefit of Responsible Care. Collaborative work between the domestic and international industry, government, and local authorities is underway to demonstrate best industry practice in safe chemicals management. This involves deploying Responsible Care experts to support safer and more sustainable chemical plants and supply chains, thereby contributing to safer workplaces, safer communities and sustainable growth in this key region.

Process safety training workshop in Vietnam where capacity building efforts have been led by the Japan Chemical Industry Association

Joint activities with the United Nations Environment Programme (UNEP) currently have a special focus on improving chemicals management through the spread of Responsible Care in Africa. ICCA has set a target to introduce Responsible Care to three new countries in Africa each year in the coming years. Building on the work begun through its partnership efforts with UNEP, ICCA activities have concentrated on Ghana, Kenya and Tanzania during 2015. Mozambique and Namibia are targeted as opportunities further out. Our main aim is to provide the tools and the knowledge necessary to help governments and business effectively address challenges in key areas such as chemicals handling and transport.

Since ICCM1 in 2006, ICCA has provided capacity building support for 172 projects in 46 countries, totalling more than US\$1.8 million. In 2015 alone, the RCLG is providing nearly \$375,000 in funding to support 25 global capacity building projects and events (see table). This includes support for three start-up associations looking to develop their Responsible Care programme - Croatia, Egypt and Vietnam - and for a Latin American Network for RCLG associations helped by Spain.

Around 44% of 2015 capacity building funds are going to the Middle East & Africa region - mainly to the South African association, CAIA, which is the lead for ICCA efforts in Africa. Nearly 30% has been allocated to Asia Pacific: ICCA is supporting additional events in China in 2015 including a joint conference and a CEO Global Charter signing ceremony. Ongoing support for India includes funding for a product stewardship workshop in early 2016.

	RCLG Association	Total
1	Arabian Gulf	\$7,500
2	Brazil	\$15,000
3	Bulgaria	\$3,750
4	China-AICM	\$15,000
5	China- CPCIF	\$15,000
6	Colombia	\$10,000
7	Czech Republic	\$5,000
8	Croatia	\$3,750
9	Egypt	\$10,000
10	Ecuador	\$15,000
11	Estonia	\$3,750
12	Hungary	\$5,250
13	India	\$10,000
14	Indonesia	\$10,000
15	Israel	\$10,000
16	Latin American Network	\$25,000
17	Myanmar	\$15,600
18	Philippines	\$7,000
19	Poland	\$6,500
20	Slovenia	\$3,750
21	South Africa	\$137,000
22	Sri Lanka	\$18,500
23	Romania	\$2,500
24	Taiwan	\$10,000
25	Vietnam	\$10,000



- 1. Arabian Gulf\*
- Argentina
- Australia
- Austria
- 5. Belgium
- 6. Brazil
- Bulgaria
- 8. Canada
- 9. Chile 10. China
- 11. China, Hong Kong SAR
- 12. Chinese Taipei
- 13. Colombia
- 14. Czech Republic
- 15. Denmark 16. Ecuador
- 17. Estonia
- 18. Finland
- 19. France 20. Germany
- 21. Greece
- 22. Hungary
- 23. India
- 24. Indonesia
- 25. Ireland
- 26. Israel
- 27. Italy
- 28. Japan 29. Latvia
- 30 Lithuania
- 31. Malaysia
- 32. Mexico
- 33. Morocco 34. Myanmar
- 35. Netherlands
- 36. New Zealand
- 37. Norway
- 38. Peru
- 39. Philippines 40. Poland
- 41. Portugal
- 42. Russia
- 43. Singapore 44. Slovak Republic
- 45. Slovenia 46. South Africa
- 47. South Korea
- 48. Spain
- 50. Sweden
- 51. Switzerland
- 52. Thailand
- 53. Turkey 54. Ukraine
- 55. United Kingdom 56. United States of America
- 57. Uruguay 58. Venezuela
- \* Saudi Arabia, Kuwait, United Arab Emirates, Qatar, Oman, Bahrain

### Candidate associations\*\*:

- \*\* Countries where Responsible Care is being introduced under ICCA RCLG auspices but are not yet RCLG members
- RCLG members

- New member since 2012 ■ Candidate associations









# MEMBERSHIP DIRECTORY

The following listing covers all Member Associations of the ICCA's Responsible Care® Leadership Group. It provides current contact information and the year in which the association was approved as an RCLG Member: 'Adopted Responsible Care in ....'

The Responsible Care Leadership Group network brings together national and regional chemical associations from across the world. Photo shows delegates at a recent meeting in the US.

### Information notes:

- The membership profile of many RCLG associations includes other industry sectors as well as chemicals, plus non-manufacturing organisations (often known as Partners or Associate Members) such as logistics service providers, academic institutions etc.
- Chemical associations can spend a period of up to several years introducing and embedding the initiative with member companies before making a formal application for RCLG membership.



# A

### **ARABIAN GULF**

### **GPCA**

Gulf Petrochemicals & Chemicals Association

P.O. Box 123055, Dubai, UAE

Contact: Bayan Salhah / Alan Izzard

Tel: +971 4451 0666 ext 112 Fax: +971 4451 0777

E-mail: bayan@gpca.org.ae / alan.izzard@borouge.com Website: www.gpca.org.ae/rc Adopted Responsible Care in 2009

### **ARGENTINA**

### CIQvP

Cámara de la Industria Quimica y Petroquimica Avda. Cordoba 629 - Piso 4 - Buenos Aires

Contact: Héctor Mario Benavídez Tel: 5411 4 313 1059 / 0944

E-mail: hbenavidez@ciqyp.org.ar Website: www.ciqyp.org.ar Adopted Responsible Care in 1992

### **AUSTRALIA**

Fax: 5411 4 312 4733

### **PACIA**

Level 11, 10 Queen Street Melbourne Vic 3000 Postal address: PO Box 422, Flinders Lane VIC 8009 Contact: Krista Imberger Tel: +61 3 9611 5415 Fax: +61 3 9611 5499

E-mail: kimberger@pacia.org.au Website: www.pacia.org.au Adopted Responsible Care in 1989

### **AUSTRIA**

### FCIO

Austrian Chemical Industry Wiedner Hauptstrasse 63

Vienna A-1045

Contact: Dr. Dominique Schröder Tel: +43 (0)5 90 900 3373

Fax: +43 (0)5 90 900 3373 Fax: +43 (0)5 90 900 280 E-mail: schroeder@fcio.at Website: www.fcio.at

Adopted Responsible Care in 1992

# B

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Adopted Responsible Care in 1991

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Adopted Responsible Care in 2014

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Adopted Responsible Care in 1997

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The above organizations - Acoplasticos, Andi and CCS - iointly promote Responsible Care through the Responsabilidad Integral (RI) Committee.

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Expanding the ethic: a workshop hosted by the Gulf Petrochemicals and Chemicals Association



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INTERNATIONAL
COUNCIL OF
CHEMICAL
ASSOCIATIONS

The International Council of Chemical Associations (ICCA), worldwide voice of the chemical industry, serves as the guardian of Responsible Care globally, monitoring its implementation and ensuring its integrity. Today, 58 chemical industry associations are active in Responsible Care.

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