



International  
Council of  
Chemical  
Associations

# Responsible Care<sup>®</sup> Overview





# Responsible Care<sup>®</sup> Background



# What is Responsible Care<sup>®</sup>?

- 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 1984, and today, national chemicals associations in nearly 70 economies around the world manage Responsible Care implementation in their individual countries.
- Responsible Care is a global initiative, and national chemical associations work with member companies to implement the program in their respective regions.



# Responsible Care<sup>®</sup>: Our Commitment To:

- Improve EHS&S performance and chemical management
- Use resources efficiently
- Build stakeholder relationships
- Report openly and transparently
- Improve efficiencies, lower operating costs
- Share ethical and operational philosophies, linking suppliers and customers
- Provide a performance foundation for ICCA advocacy



# Why Responsible Care<sup>®</sup>?

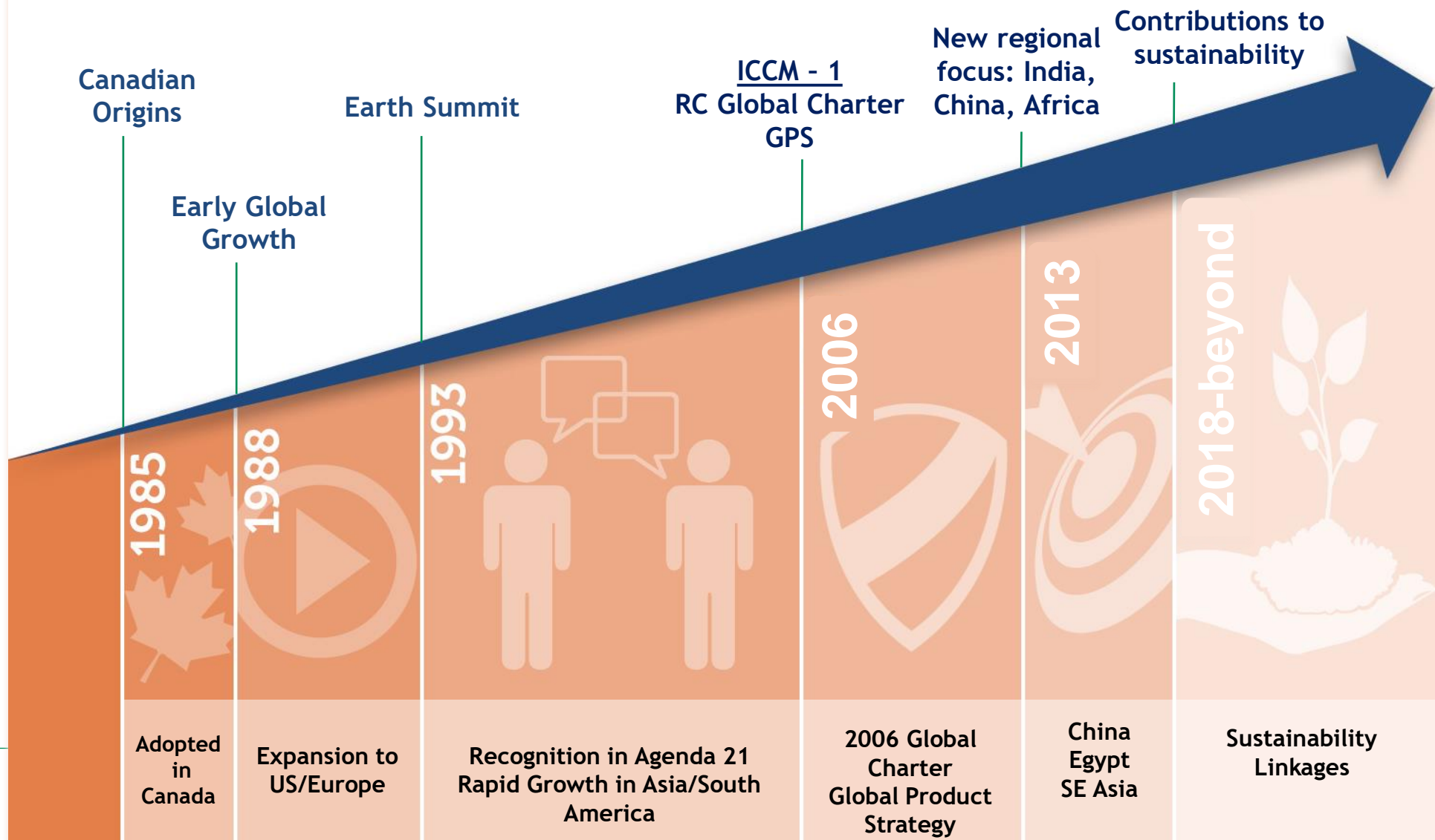
## ➤ Chemical Incidents in 1970s-1980s:

- Flixborough, UK – 28 killed in an explosion
- Seveso, Italy – major dioxin release
- Love Canal, New York – neighborhood residents learn they live above a toxic waste dump
- Missasaugua, Ontario – rail tanker explosions lead to 250K being evacuated.





# Responsible Care<sup>®</sup> Growth and Evolution





# Responsible Care<sup>®</sup> Key Elements





# Responsible Care® Global Charter

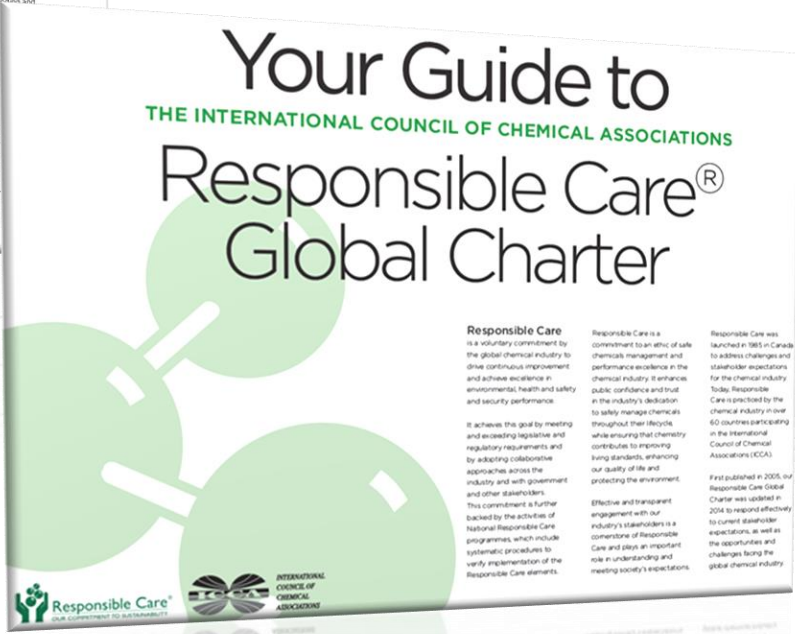
The Global Charter sets out broad commitments for Responsible Care companies. CEOs sign and pledge to implement the program.



- 1 **A Corporate Leadership Culture** that proactively supports safe chemicals management through the global Responsible Care initiative
- 2 **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
- 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
- 4 **Influencing Business Partners** to promote the safe management of chemicals within their own operations
- 5 **Engaging Stakeholders**, understanding and responding to their concerns and safer operations and products and openly on our performance and progress
- 6 **Contributing to Sustainability** by performance, expanded economic and the development of innovative and other solutions to societal challenges

## Addresses:

1. Corporate Leadership Culture
2. Safeguarding People and the Environment
3. Strengthening Chemicals Management Systems
4. Influencing Business Partners
5. Engaging Stakeholders
6. Contributing to Sustainability





# Responsible Care<sup>®</sup> Fundamental Features

1. Guiding Principles developed and adopted
2. Logo is registered and protected
3. Establish a set of systems, codes, policies covering environmental protection; employee, process and distribution safety; product stewardship; community awareness; and emergency response
4. Association tracks and reports performance (Key Performance Indicators) of its members
5. Stakeholder outreach and communication
6. Best practice sharing among its companies
7. Encourage participation
8. Procedures to verify implementation



# Guiding Principles

The Guiding Principles of an association's Responsible Care® initiative describe in general terms the ethic, policies and objectives relating to a commitment to continuous improvement of environmental, health and safety performance by members of the association.

**Responsible Care**  
**GUIDING PRINCIPLES**

As a member of the Chemical Industries Association, this company manages all aspects of its activities so that we provide a high level of protection for the health and safety of employees and associates, customers, and the public and for the environment. We will demonstrate our commitment to sustainable development and continual improvement by adhering to the following principles:

**POLICY**  
We will have a health, safety and environmental (HSE) policy which will reflect our commitment and be an integral part of our overall business policy.

**EMPLOYEE INVOLVEMENT**  
We recognise that the involvement and commitment of our employees and associates will be essential to the achievement of our objectives. We will adopt communication and training programmes aimed at achieving that involvement and commitment.

**EXPERIENCE SHARING**  
In addition to ensuring our activities meet the relevant statutory obligations, we will share experience with our industry colleagues and seek to learn from and incorporate best practice into our own activities.

**LEGISLATORS AND REGULATORS**  
We will seek to work in co-operation with legislators and regulators.

**PROCESS SAFETY**  
We will assess and manage the risks associated with our processes.

**PRODUCT STEWARDSHIP**  
We will assess the risks associated with our products and seek to ensure these risks are properly managed throughout the supply chain through stewardship programmes involving our customers, suppliers and distributors.

**RESOURCE CONSERVATION**  
We will work to conserve resources and reduce waste in all our activities.

**STAKEHOLDER ENGAGEMENT**  
We will monitor our HSE performance and report progress to stakeholders, we will listen to the appropriate communities and engage them in dialogue about our activities and our products.

**MANAGEMENT SYSTEMS**  
We will maintain documented management systems which are consistent with the principles of Responsible Care and which will be subject to a formal verification procedure.

**PAST, PRESENT AND FUTURE**  
Our Responsible Care management systems will address the impact of both current and past activities.

\_\_\_\_\_  
Chief Executive of \_\_\_\_\_

\_\_\_\_\_  
commit the company to these Guiding Principles and to an annual review of our application of them.

Signed \_\_\_\_\_ Date \_\_\_\_\_

Responsible Care CHEMICAL INDUSTRIES ASSOCIATION

CIA (UK)

**Responsible Care**

Wir sind ein Mitgliedsunternehmen im Verband der Chemischen Industrie e.V. und verpflichten uns, in Sinne der weltweiten Initiative Responsible Care zu handeln und den Schutz von Gesundheit und Umwelt sowie die Sicherheit von Mitarbeitern und Mitgliedern aus eigener Verantwortung ständig zu verbessern.

**VCI-Leitlinien für Responsible Care**

1. Sicherheit und Schutz von Mensch und Umwelt sind von fundamentaler Bedeutung. Deshalb sind von den Unternehmensleitungen Maßnahmen für verantwortliches Handeln zu formulieren, die sich an diesem übergreifenden Grundsat orientieren. Außerdem sind die Maßnahmen und Verfahren zu definieren, mit denen diese Vorgaben von Unternehmen und seinen Mitarbeitern in die betriebliche Praxis umgesetzt und regelmäßig auf neue Anforderungen überprüft und gegebenenfalls entsprechend angepasst werden.
2. Die Unternehmen stellen bei ihren Mitarbeitern das Bewusstsein für Sicherheit und Umwelt. Sie schaffen diesem Blick für mögliche Umweltbelastungen durch Produkte oder durch den Betrieb der Anlagen. Sie bekennen sich über den nachhaltigen Responsible Care Security Code zu verstärkten Anstrengungen für einen erhöhten Schutz gegenüber rechtswidrigen Angriffen.
3. Die Unternehmen der chemischen Industrie realisieren die Bedürfnisse der Öffentlichkeit nach Transparenz in Zusammenarbeit mit Produkten, Verfahren und Arbeitsstätten und gehen konstruktiv darauf ein.
4. Die Unternehmen der chemischen Industrie verbessern beständig die Sicherheit ihrer Produkte bei der Beförderung, bei Herstellung, Lagerung, Transport, Vertrieb, Anwendung, Verwertung und bei der Entsorgung. Sie berücksichtigen Gesundheit, Sicherheit und Umweltaspekte sowohl bei der Entwicklung neuer Produkte und Produktionsverfahren als auch im Dialog mit Abnehmern, Weiterverarbeitern und Anwendern.
5. Die Unternehmen der chemischen Industrie informieren im Rahmen ihrer Produktverantwortung in Bereichen über den sicheren Transport, die Lagerung, die sichere Anwendung, Verwendung und Entsorgung ihrer Produkte. Dies gilt insbesondere gegenüber Abnehmern, Weiterverarbeitern und Anwendern.
6. Die Unternehmen der chemischen Industrie erweitern kontinuierlich das Wissen über ihre Produkte und Verfahren. Besonders im Hinblick auf mögliche Auswirkungen auf Mensch und Umwelt in allen Phasen des Lebenszyklus.
7. Die Unternehmen werden urgedrachtet der wirtschaftlichen Interessen die Vermarktung von Produkten einschließen oder deren Produktion einstellen. Falls nach den Ergebnissen einer wissenschaftlichen Risikobewertung die Vorzüge zum Schutz vor Gefahren für Gesundheit und Umwelt dies erfordern.
8. Die Unternehmen der chemischen Industrie betreiben sichere Produktionsanlagen. Treten dennoch Gefahren für die Gesundheit oder die Umwelt erkennbar auf, leiten die Unternehmen unverzüglich die erforderlichen Maßnahmen ein, arbeiten eng mit den Behörden zusammen und informieren die Öffentlichkeit.
9. Die chemische Industrie bringt ihr Wissen und ihre Erfahrung aktiv in die Erarbeitung präventiver und wirkungsstärkender Gesetze, Verordnungen, Normen und Standards ein, um den Schutz von Mensch und Umwelt nachhaltig zu gewährleisten.
10. Die Unternehmen der chemischen Industrie betreiben und fördern den Dialog mit ihren Stakeholdern.
11. Die Unternehmen der chemischen Industrie unterstützen das nationale Responsible Care Programm. Zur Erfüllung seiner Anforderungen stellen sie ausreichende Ressourcen für die Umsetzung des Programms bereit.

Verabschiedet von der Mitgliedsversammlung des VCI am 3. Oktober 2011 in Wien

VERBAND DER CHEMISCHEN INDUSTRIE e.V.

VCI (Germany)

**RESPONSIBLE CARE**  
Commitment of the Chemical Industry to Sustainable Development

\_\_\_\_\_  
as a FEIQUE member, will support "Responsible Care", the voluntary Chemical Industry's Initiative, and so will undertake to fulfil its operations improving continuously, Environmental, Safety and Health protection, as a fundamental contribution to Sustainable Development applying the following

**GUIDING PRINCIPLES**

**COMPANY POLICY**  
The Company agrees that the implementation of its Environmental, Safety and Health protection policies are consistent with the "Responsible Care" programme, which should be specifically mentioned as being part of its general policy.

**EMPLOYEE PARTICIPATION**  
The Company recognises that Workers' participation is essential for this initiative, and that communication and training policies to cover the industrial and commercial activity of the company will be carried out.

**RISK PREVENTION AND ASSESSMENT**  
The Company will assign technical and human resources to identify, assess and manage potential risks in its own processes and products, with emphasis on prevention and control of accidents.

**COMMUNICATION AND PROMOTION**  
The Company will inform its workers, customers and members of society, especially those who handle chemicals, about the potential risks and preventive measures being taken by the company to cover its processes and products.

**PRODUCT STEWARDSHIP**  
The Company will inform and advise customers, and others along the supply chain, about product hazards and risks in handling, use, storage and treatment operations of its chemicals as well as wastes, water or air emissions that are related to them.

**RESOURCES CONSERVATION**  
The Company will support the principle of resource conservation and will minimise wastes and emissions to water, air and land in accordance with the best available technologies, ensuring the highest level of protection possible.

**TECHNICAL AND SCIENTIFIC ADVANCES**  
The Company will contribute to investigation and education, spreading results from scientific studies related to the effects of its processes, products, emissions and wastes.

**CONTRACTORS AND SUBCONTRACTORS**  
The Company will select, control and inform contractors about applying the same Safety, Health and Environmental standards as the Company.

**COLLABORATION WITH AUTHORITIES**  
The Company will co-operate with governments and organisations in the development and establishment of effective standards and regulations, and will achieve or exceed its requirements.

**OBJECTIVES AND CONTINUOUS IMPROVEMENT**  
The Company will assume the principle of continuous improvement, through the periodic identification of qualitative and quantitative objectives and managing them by measuring the respective indicators of performance.

*The signatory*  
\_\_\_\_\_  
Chief executive officer of \_\_\_\_\_ commits the Company to respect these principles.

*Issuing Date:* \_\_\_\_\_ *Last renewal date:* \_\_\_\_\_

Feique (Spain)



# Responsible Care<sup>®</sup> Common Focus Areas

- Common code focus areas include:

- Community/Stakeholder Dialogue
- Emergency Response & Preparedness
- Pollution Prevention/Environmental Protection
- Employee Safety
- Process Safety
- Security (facility, value chain, cyber)
- Product Stewardship

- New participating national associations have access to existing examples.



# Responsible Care<sup>®</sup> KPIs Reported to ICCA

Responsible Care Practice	Health and Safety	Environment	Transport	Use of Resources
<ul style="list-style-type: none"> <li>• Number of companies</li> <li>• Number of Employees</li> <li>• Annual Turnover of companies</li> </ul>	<ul style="list-style-type: none"> <li>• Fatalities for employees</li> <li>• Lost time Injury Rate for employees</li> </ul>	<ul style="list-style-type: none"> <li>• Nitrogen oxides</li> <li>• Sulfur dioxide</li> <li>• Total CO2</li> <li>• Direct CO2</li> <li>• Chemical Oxygen demand</li> <li>• Phosporous compounds in water</li> <li>• Nitrogen compounds in water</li> </ul>	<ul style="list-style-type: none"> <li>• Total number of incidents</li> </ul>	<ul style="list-style-type: none"> <li>• Use of energy</li> <li>• Total water consumption</li> </ul>

Key Performance Indicators (KPIs) are:

- Aggregated at member federation level
- Publicly reported by ICCA members (national associations/companies)
- Reported to ICCA on an annual basis



# Verification of Responsible Care<sup>®</sup> Implementation



- Company self-evaluations
- Federation review
- Peer review
- Third-party audits/ certification



# Responsible Care<sup>®</sup> Benefits





# Responsible Care<sup>®</sup> Creates Value

## Tangible results:

- Improves operational efficiency and overall economic performance
- Helps to reduce emissions and process safety incidents and other potentially tragic events
- Helps to improve safety of employees and communities
- Strengthens credibility, liability protection and government recognition
- Helps to ensure that customers and consumers handle chemical products safely
- Protects license to operate and allows industry to continue to provide products to address societal challenges to improve people's lives
- Assists in responding to stakeholder expectations



# Benefits of Responsible Care<sup>®</sup>

## You are not alone.....

- Networking opportunities
- Peer support
- Best practice sharing
- Small and medium companies interact with larger companies on equal basis
- Part of the global Responsible Care family

## Early Warning/Anticipating Trends

- Understand emerging trends and public expectations through ongoing dialogue processes
- Industry able to proactively address issues
- Member companies can have input into program changes/enhancements



# Business Case for Safety

Safer workplaces result in real dollars saved

- Qualitative

- Investors perceive a lower risk when making buying/selling decisions
- Company reputation is protected
- Value of corporate image and brand are improved
- Enhances lender confidence / access to lower interest rates
- Provides credibility with regulators
- Enables attracting and retaining quality staff



# Business Case for Safety

## Safer workplaces result in real dollars saved (cont.)

- Quantitative

- Lives saved – cost of death and injury is spared
- Property damage costs reduced (U.S. incidents ~ \$80 MM each)
- Business interruption costs saved (U.S. incidents can be as high as \$32 MM each)
- Market share stake preserved
- Litigation costs saved (can be 5 times regulatory fines)
- Incident investigation costs saved (millions of U.S. dollars)
- Regulatory penalties avoided
- Regulatory attention is reduced, avoid increased audits and inspections

