

***17th Brazilian Responsible Care®
Congress
17o Congresso de Atuação
Responsável®***

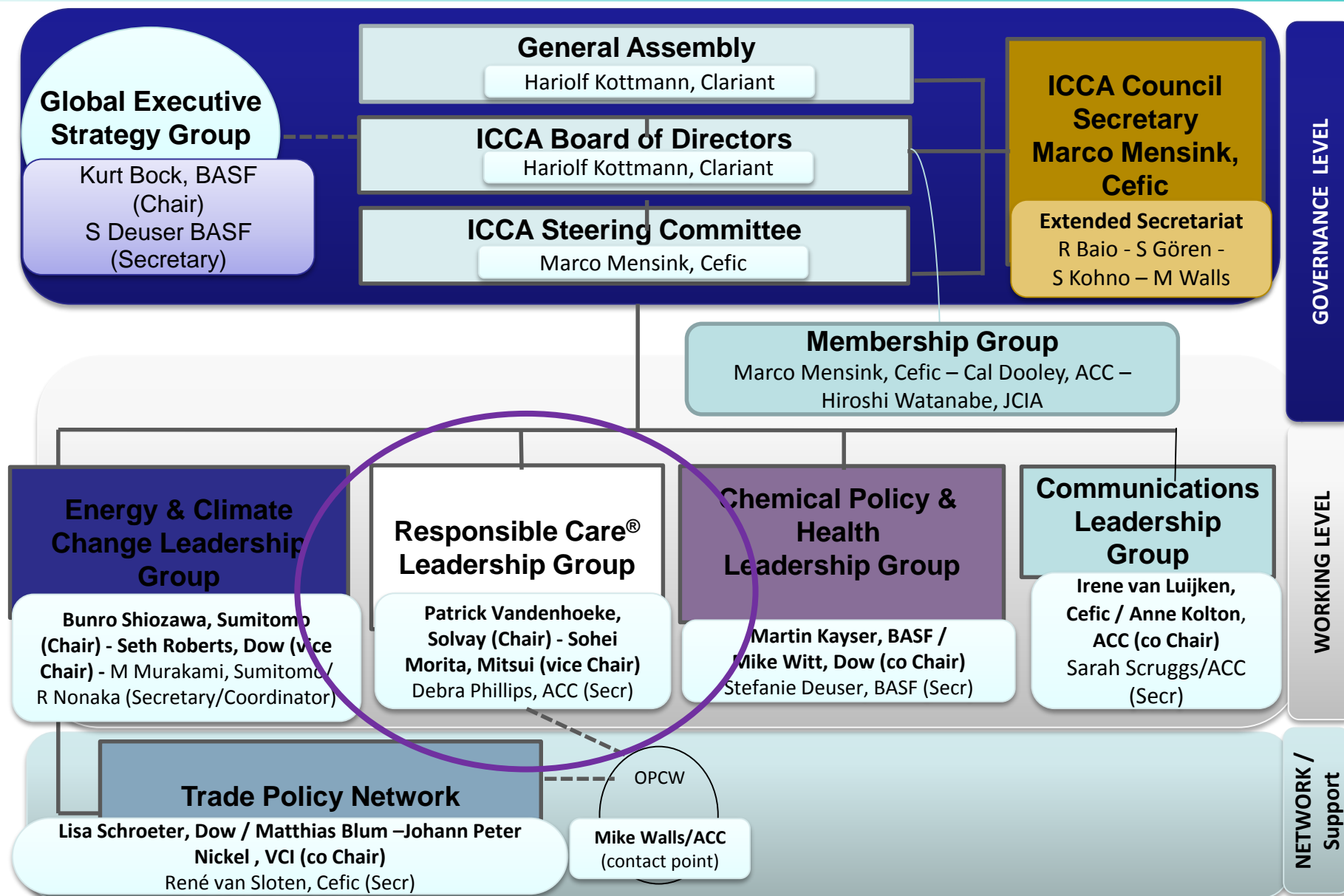
Patrick Vandenhoeke, Solvay N.A.

Responsible Care® Leadership Group Chairman

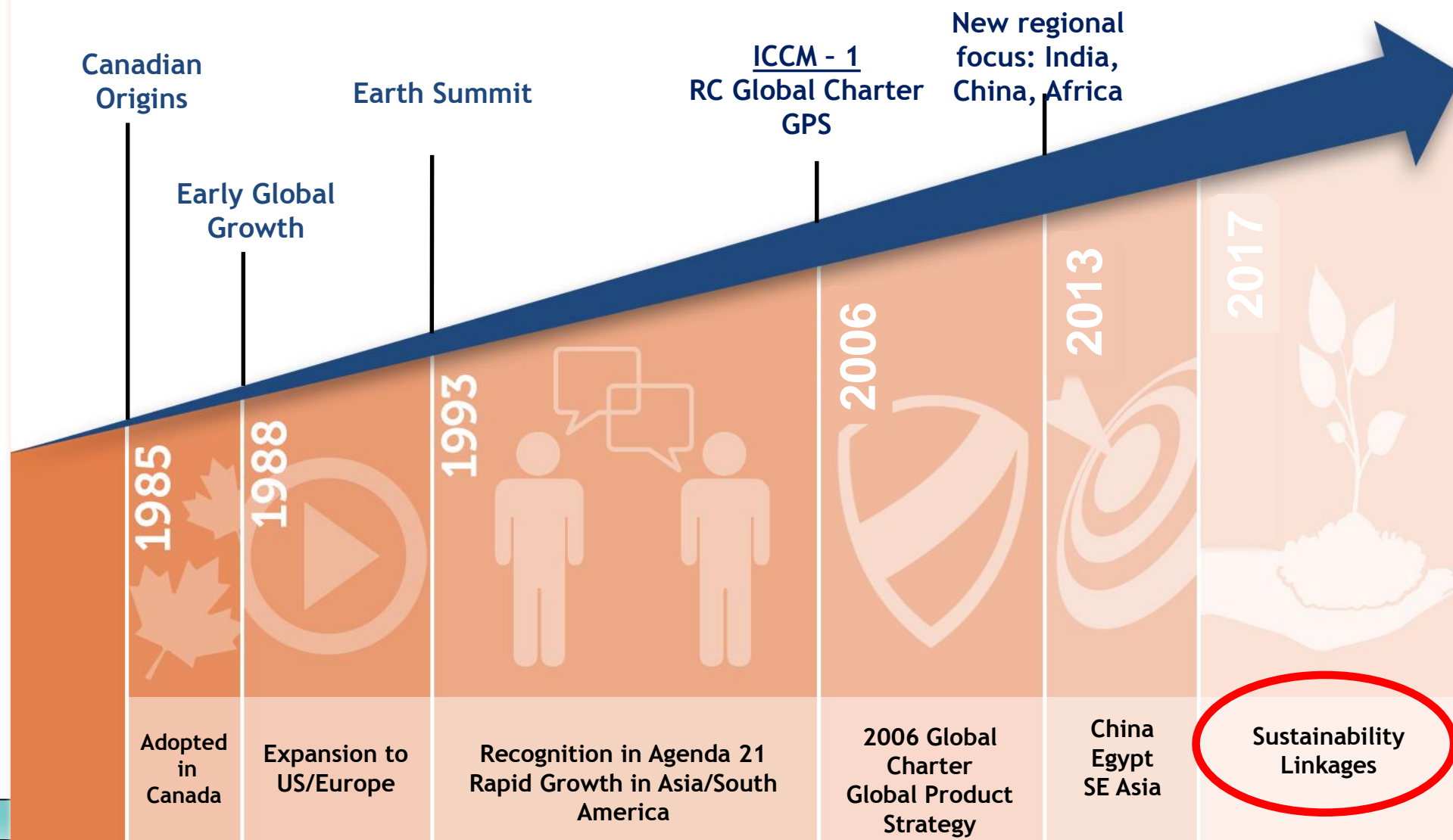
2018 August 15/16 - São Paulo

- The International Council of Chemical Associations (ICCA) is the Worldwide Voice of the Chemical Industry, representing chemical manufacturers and producers all over the world.
- ICCA and its member associations (ACC-CEFIC-JCIA, ABIQUIM, etc), federations (ESSENCIA, IUC, VCI,) and companies (BASF, Solvay, Dow...) are working together to pave the way towards a more sustainable future and ensure the safety and protection of human health and the environment.

ICCA's Operational Structure



30 Years of Responsible Care[®] Evolution





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

More informations in Annex 1

3

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 expectations for safer operations and products and communicating openly on our performance and products

6

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

Main RCLG objective is Capacity Building

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



Since ICCM1 in 2006, ICCA has provided capacity building support for 172 projects in 46 countries, totaling more than US\$1.8 million by 2015.

Details at; [History capacity building since 2006; more than 170 local workshops](#)

Why no unique global RC[®] code?



- RC is at the Chemistry, what traffic codes are at the road transport
- Each country develops its own national traffic code
- They are all different, but all are achieving the same goal, regardless if left or right hand driving: **drive safely**
- Most countries/chemical associations develop their own RC management framework, but achieving the same goal: **manage chemicals safely**

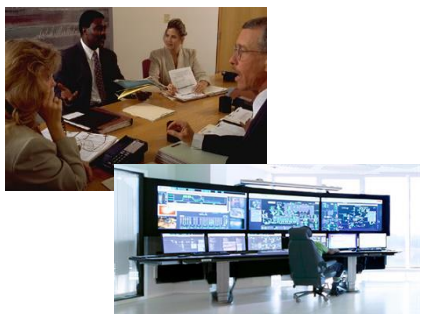


Responsible Care on the Ground



The example of the American Chemical Council 7 RC® Codes

CAER



Pollution Prevention



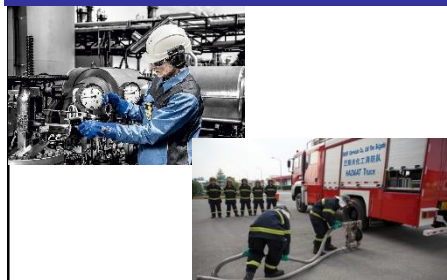
Process Safety



Distribution



Employee Health and Safety



Product Stewardship



Security



Community Awareness and Emergency Response Code



- Initiate/maintain a community outreach program to openly communicate relevant and useful information.
- Develop an emergency response plan.



- Reduce the amount of all contaminants and pollutants released to the air, water and land.
- Reduce the amount of wastes generated at facilities.
- Manage the remaining wastes and releases.



Prevent fires, explosions and accidental chemical releases.



Reduce the risk that the transportation and storage of chemicals poses to the public, carriers, customers, contractor and company employees, and to the environment.

Employee Health and Safety Code

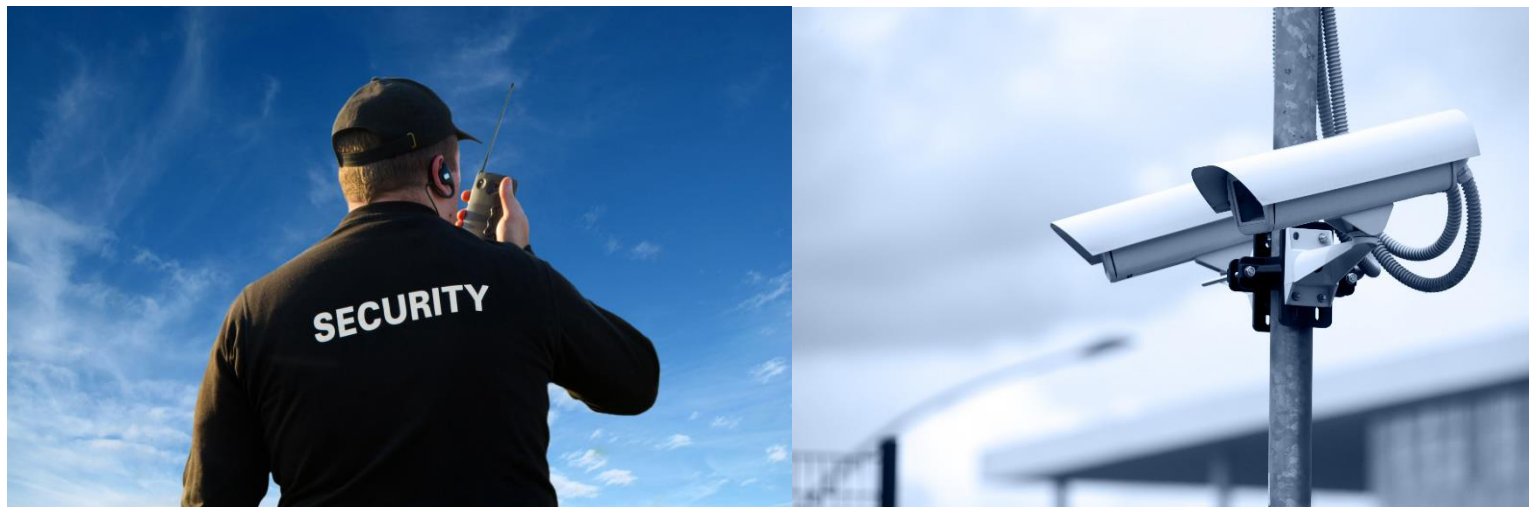


Protect and promote the health and safety of people working at sites or visiting member company work sites.

Product Stewardship Code



Manage the products safely and with minimal environmental impact at each stage in their life cycle.

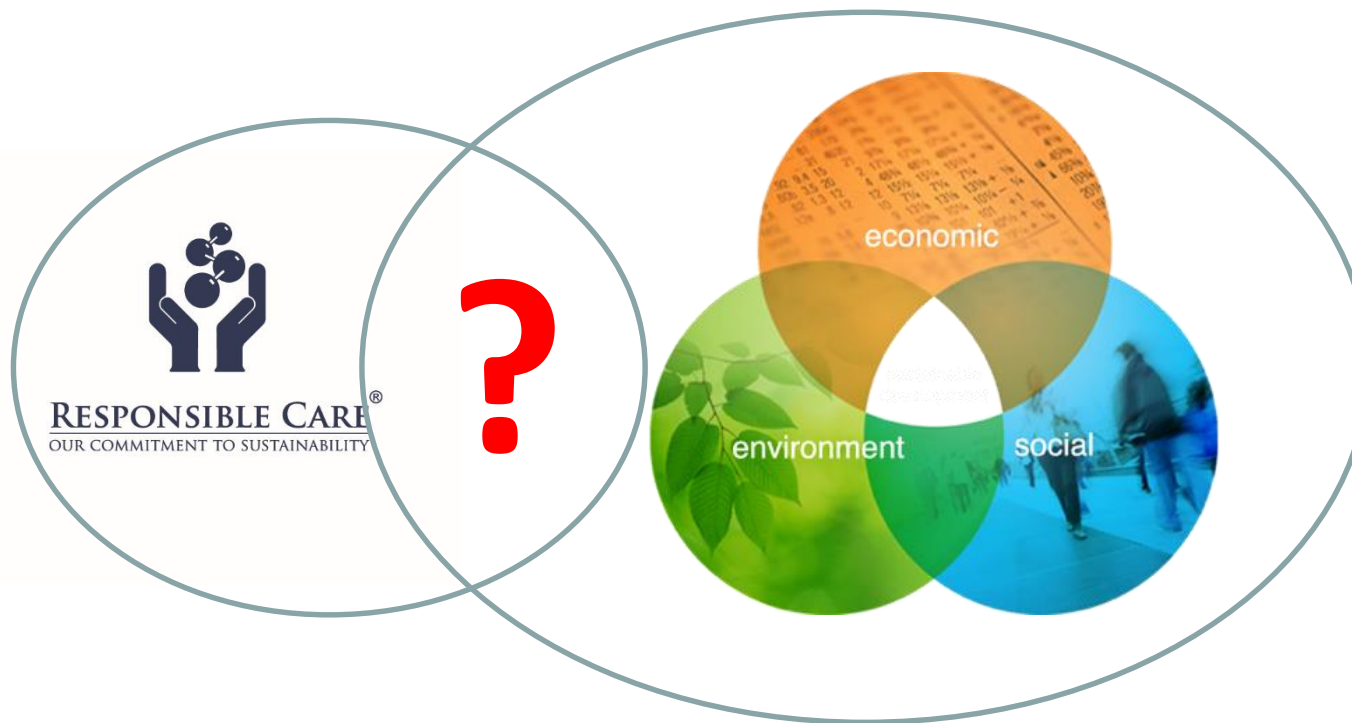


Manage the security of the physical site, the supply chain and the IT systems and process controls.

The Strategic Approach to International Chemicals Management (SAICM) is a multisectoral, multistakeholder, voluntary, and non-binding framework that helps countries within their borders to reduce their harmful impact on human health and the environment.

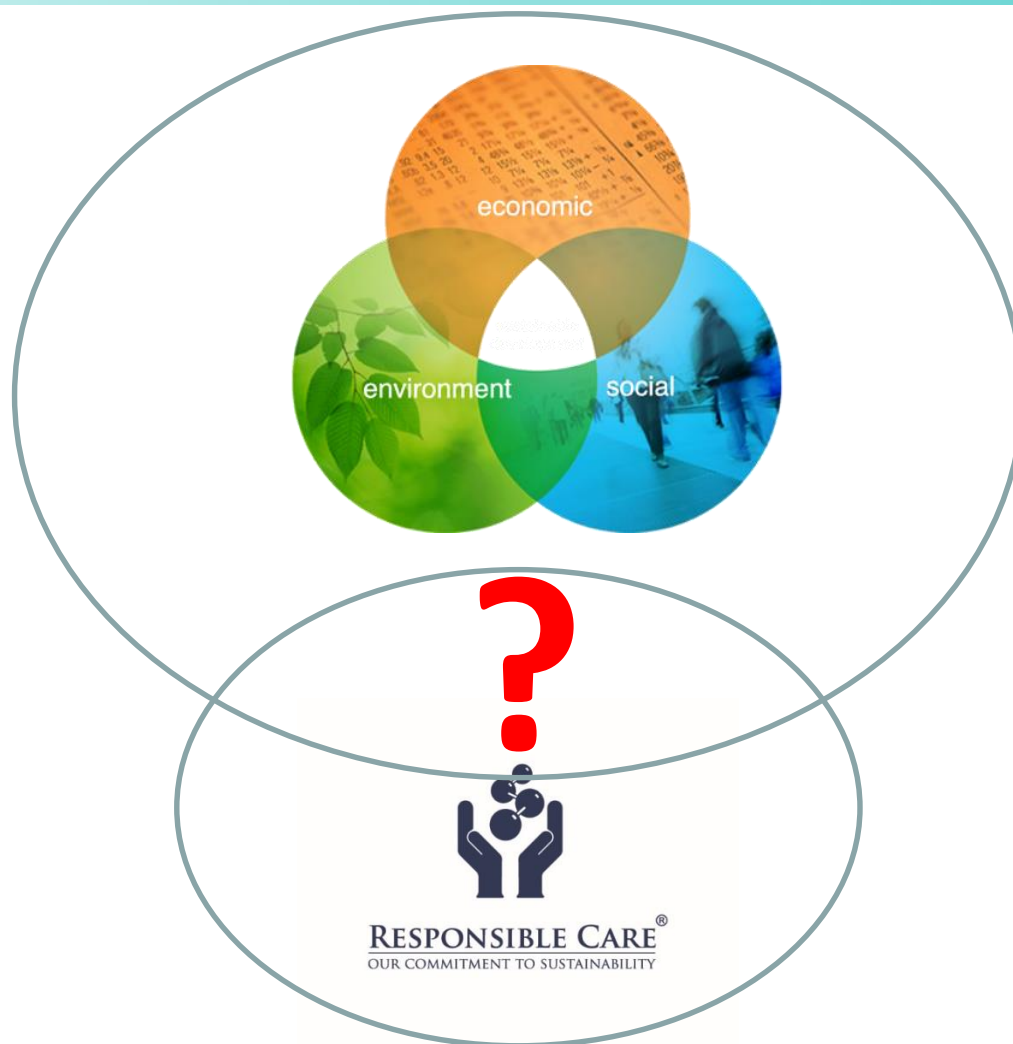
**More informations in
Annex 2 & 3**

**ICCA/RCLG collaborates with SAICM, which
is a UN Environment policy framework**



**RC IS THE NECESSARY BUT NOT
SUFFICIENT PART OF SD**

Or is it built on it?



RC[®] is a vital foundation for sustainability



SUSTAINABLE CHEMICAL SOLUTIONS

Responsible Care[®]

What if not starting with the beginning?



**RC[®] is a vital foundation for
sustainability**

**RC[®] is the necessary but not
sufficient condition to achieve
chemical sustainability**

Contributions to the SDGs according to ICCA/RCLG



15. SUSTAINABLY MANAGE FORESTS, COMBAT DESERTIFICATION, HALT AND REVERSE LAND DEGRADATION, AND PROMOTE SUSTAINABLE DEVELOPMENT
 12. RESPONSIBLE CONSUMPTION AND PRODUCTION
 3. GOOD HEALTH AND WELL-BEING
 8. DECENT WORK AND ECONOMIC GROWTH
 1. NO POVERTY
 2. ZERO HUNGER
 7. AFFORDABLE AND CLEAN ENERGY
 4. QUALITY EDUCATION
 5. GENDER EQUALITY
 6. CLEAN WATER AND SANITATION
 9. INDUSTRY, INNOVATION AND INFRASTRUCTURE
 10. REDUCED INEQUALITIES
 11. SUSTAINABLE CITIES AND COMMUNITIES
 12. RESPONSIBLE CONSUMPTION AND PRODUCTION
 13. CLIMATE ACTION
 14. LIFE BELOW WATER
 15. LIFE ON LAND
 16. PEACE, JUSTICE AND STRONG INSTITUTIONS
 17. PARTNERSHIPS FOR THE GOALS
 SUSTAINABLE DEVELOPMENT GOALS

Implement LA and Legemerk policies through a series of systems, codes, policies or guidance
 Strengthen risk-based chemical management system and participate in capacity building for
 safe management of chemicals
 No customer class or customer class have better performance.
 as a product stewardship tool



- ICCA GLOBAL CHEMICAL INDUSTRY CONTRIBUTIONS TO THE SUSTAINABLE DEVELOPMENT GOALS

Is RC becoming inessential?



- Our ability to innovate and contribute to a sustainability agenda will fall flat if we don't continue to dedicate ourselves to **safely managing our operations and products through Responsible Care.**
- Just as an example; a company CSR cannot replace HR, same way **you cannot replace RC with sustainability.**
- As we move towards a sustainable economy and tackle things like **Industry 4.0, Responsible Care will remain the foundation of our industry's contributions** – by establishing strong practices for our environmental, health, safety, and security performance for facilities, processes and products throughout the value chain – and committing to continuously improve these practices.

Chemical manufacturers have an outsized role in the sustainable development debate **because (chemical) sustainability cannot happen without us (Responsible Care®).** But, we (as industry) **must operate as though we are sitting in the driver's seat** accepting and leading in this critical role, as opposed to being comfortable to go along for the ride.

Thank You for your Attention!

Signatories to the Responsible Care® Global Charter commit to actively strengthen Responsible Care worldwide by dedicating their company, people, technologies and business practices to the **Charter's Six Elements**:

1

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 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.

*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.

2

Safeguarding People and the Environment by continuously improving the environmental, health and safety performance and 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.

3

Strengthening Chemicals Management Systems by participating in the development and implementation of lifecycle-oriented, 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 Long-range Research Initiative (LRI).

4

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.

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.

SAICM aims at ensuring the sound management of chemicals throughout their life cycle. There are no specific reduction targets or quantitative goals.

- Reducing the risk to human health and the environment associated with chemicals
- Ensuring that knowledge and information about chemicals and chemicals management are sufficient to enable chemicals to be adequately assessed and managed safely throughout their life cycle
- Promoting appropriate governance of chemicals through actions such as domestic enforcement of laws, coordination between relevant departments that deal with chemicals, and inclusion of a variety of stakeholders, such as civil society, in domestic processes
- Building capacity in developing and transitional economies to safely manage chemicals
- Fostering technical cooperation on how to manage chemicals safely
- Preventing illegal international traffic in chemicals, a potential problem in countries that lack effective management strategies

ANNEX 3: ICCA RCLG and SAICM 2020 Milestones



The global chemical industry paves the way towards sound chemicals management and **sustainability**

The SAICM Journey: 20 Milestones to 2020

Through our **Products, Actions, Vision, Expertise** and **Solutions**, the global chemical industry **PAVES** the way to sound chemicals management and sustainable development.

The International Council of Chemical Associations is an association of innovators, visionaries, solutions providers and product stewardship pioneers. Above all, we are optimists. What others see as challenges, we see as opportunities to solve some of the world's biggest problems. Our shared optimism has driven us to reach new heights along the journey to sound chemicals management and sustainable development.

1. We develop countless products that **improve people's lives**, enabling life-saving medical solutions, cleaner water, a healthy and more abundant food supply, cleaner and more efficient sources of energy and advanced building and construction materials to design the cities of the future.



2. We support more than **25 million people** around the world directly and indirectly employed by our industry.



3. We continue to **improve our performance**. Responsible Care companies have reduced their lost-time injury rate by **24%** and reduced chemical-related transportation incidents by **36%** since 2006. In 2015, we adopted the world's first globally harmonized approach to process safety performance tracking and reporting.



4. We have improved our environmental performance. Since ICCM-1 in 2006, Responsible Care® companies have reduced greenhouse gas emissions by **34%**, even while the number of reporting regions has doubled. We've also enabled the automotive, building and construction and lighting industries to save a combined **3 billion tons** of GHG emissions per year.



5. We expanded the reach of Responsible Care to **Myanmar and Sri Lanka** in 2012.



6. We updated and strengthened the **Responsible Care Global Charter** to address ongoing stakeholder expectations and evolving challenges, to enable industry to **speak with a common voice** about its global commitments.



7. We have secured signatures from hundreds of chemical companies to the 2014 **Global Charter**, including nearly **90%** of the top 100 chemical manufacturers in the world.



8. We welcomed China, the world's largest chemicals manufacturer, to the Responsible Care family in 2014. Chemical production and consumption are on the rise in China with industry output reaching **US \$1.33 trillion** in 2012.



9. We have begun work with the Indian chemical industry to revitalize Responsible Care in the region. The Indian chemical industry is expected to reach **US \$200 billion by 2020**, according to the Indian Ministry of Commerce.



10. We have grown the Responsible Care family to more than **60 participating economies** in 58 associations around the globe.



11. We are working to expand Responsible Care in the African region by hosting capacity building workshops in Ghana, Kenya and Tanzania. In 2011 **25 countries** attended the African Regional Workshop on Chemical Safety Management in Nairobi, Kenya.



12. We plan to expand Responsible Care to **10 more African countries** over the next two years.

13. We provided support for **172 capacity building projects** in 46 countries since 2006, totaling more than **US \$1.8 million**.



14. We launched the **GPS Chemicals Portal** in 2010, which now features more than **4,600 product safety summaries** created by experts from all around the world.



15. We published the **ICCA Regulatory Toolbox** in 2013 to help developing countries more effectively implement chemicals management practices while reducing cost and complexity.



The Toolbox reflects ICCA's belief that the most effective chemicals management is achieved through a combination of science and risk-based regulation and voluntary industry initiatives such as GPS and Responsible Care.

16. We partnered with UNEP under a joint Memorandum of Understanding to **develop guidance for governments** for improving their chemical management systems.

18. We enhanced cooperation with the Organization for the Prohibition of Chemical Weapons (OPCW) as part of our effort to bring Responsible Care to new regions.



17. We provided industry expertise and leadership in the development of the 2012 Organization for Economic Co-operation and Development (OECD) **Process Safety Guidance** for senior leaders.

19. We made support of the Chemical Weapons Convention (CWC) a condition of membership into Responsible Care and hosted several verification visits from OPCW to show our commitment to **eradicate chemical weapons worldwide**.

20. We are helping developing countries **create a sustainable foundation** for social and environmental health and economic prosperity by working with them to enhance their capacities to manage chemicals safely.



While we've made significant progress, the journey continues. By strengthening SAICM, we can accelerate and intensify the deployment of safe and innovative products and technologies to address global challenges and enable a more sustainable future.

