Responsible Care®
Initiative of the Global Chemical Industry
Bernhard Thier, Cefic Responsible Care Manager
Brussels, 30 November 2009

Responsible Care®
OUR COMMITMENT TO SUSTAINABILITY

cefic
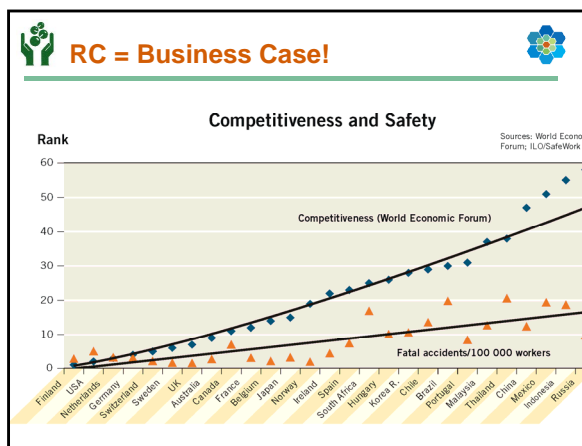Chemistry making a world of difference

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What is Responsible Care®?

Responsible Care

- Is the chemical industry's initiative to drive continual improvement
- Is unique as a sector initiative across the world
- Addresses all aspects of health, safety and environmental performance
- Commits to open communication about problems and achievements with all stakeholders especially the communities where our sites are located
- Involves everybody from top management to plant worker

... but why improve performance?

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RC = Business Case!

Competitiveness and Safety

Rank

Sources: World Economic Forum; ILO/SafeWork

Competitiveness (World Economic Forum)

Fatal accidents/100 000 workers

Finland, USA, Netherlands, Germany, Switzerland, Sweden, UK, Australia, Canada, France, Belgium, Japan, Norway, Ireland, Spain, South Africa, Hungary, Korea R., Chile, Brazil, Portugal, Thailand, Malaysia, China, Mexico, Indonesia, Russia

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Cefic RC objectives

Cefic supports the Responsible Care programmes of its national association members. The objectives are to

- Develop RC & harmonize national programmes
- Advance Responsible Care in SMEs (prisme² project)
- Revise key performance indicators and report annually
- Enhance industry commitment & best practices exchange
- Dialogue with stakeholders
- Extend initiative to other industry sectors
- Coordinate RC at global level

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RC Associations in Europe

National RC associations in Europe:

- ✓ All EU member states with chemical industry
  (exceptions: Croatia & Romania!)
- ✓ Norway, Switzerland, Turkey
- ✓ Russia*
- ✓ *Ukraine* (in preparation)

* no Cefic membership

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Cefic Partnership with EU-OSHA

- EU OHS agency promoting safety & health at work
- Two year campaign promoting risk assessment in workplaces
- European Week of Safety and Health in October 2009
- Risk assessment summit in November 2009
- Campaign materials include
  - posters, leaflets & factsheets
  - powerpoint presentations
  - quizzes & animations
- Partnership offer: Recognition on website, in press releases and at campaign events
- http://hw.osha.europa.eu/partners

A EUROPEAN CAMPAIGN ON RISK ASSESSMENT

HEALTHY WORKPLACES
GOOD FOR YOU. GOOD FOR BUSINESS.
http://hw.osha.europa.eu

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Annual RC Conference

Prague event:

- **Trade union participation:** EMCEF; Czech & UK delegates
- **High quality of discussion** (involvement of DG SANCO, EU-OSHA, academia, press, industry)
- **Nanomaterials in workplaces:** Targeting RC guideline on OHS for workplaces handling with nano
- **Sustainable logistics:** Review ECTA launch of RC, address CO2 emissions in chemical transport; challenges in distribution
- **European RC Awards 2009:** Project presentations including ESIG Award
- **Czech prisme² workshop:** programme in preparation

RC Conference 2010 in Zurich, 20-22 October (tbc)

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Cefic RC Performance Indicators

Cefic Key Performance Indicators (currently 16):

1. Safety and occupational health
- Number of fatalities (for employees and contractors)
- Lost time injury frequency rate (for employees and contractors**)**

2. Environmental protection
- Hazardous waste for disposal
- Non-hazardous waste for disposal
- Sulphur dioxide
- Nitrogen oxides
- Volatile organic compounds
- Carbon dioxide
- Nitrous oxide
- Hydrofluorocarbons
- Chemical oxygen demand
- Phosphorus compounds
- Nitrogen compounds

3. Use of resources
- Use of energy, specific energy consumption
- Water consumption

4. Transport
- Transport incidents

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European RC Awards 2009 – Judges

- **Sue Bird**
  Policy Co-Ordinator, European Commission
- **Reinhard Reibsch**
  Secretary General of EMCEF
- **Rainer Grieshammer**
  Director at Öko-Institut, Germany
- **Jim Hopwood**
  Chris Bull Associates
- **Joaquín Martinez**
  DuPont Asturias, Spain
- **Dirk Clotman**
  EuroChlor

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European RC Award winner 2009

SABIC Innovative Plastics, NL

- **Winner of the Responsible Care Award 2009 in the Netherlands**
- **Winner of the European Responsible Care Award 2009**

SABIC is honored for the development of a novel approach to chemically upcycle PET waste into durable PBT based products. Based on this process SABIC has commercialized a family of more environmentally sustainable resins which are used in automotive, electronic and many other applications.

The environmental benefits of this recycling and upgrading of household waste bottles include up to 75% reduction of carbon dioxide emissions. The jury regarded SABIC's project as an excellent demonstration on how to effectively engage in Product Stewardship.

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European RC Award winner 2009

Pentagon Chemicals, UK

- **Winner of 2008 Best Manufacturing Award in the UK**
- **SME Winner of the European Responsible Care Award 2009**

Pentagon has set up a Sustainable Development Plan which has resulted in considerable reduction of waste, high energy savings, a strong health and safety performance as well as a continuous community and supply chain outreach.

To name just the waste reduction project, 1000 tones, mostly solvents, are recovered and recycled annually instead of leaving the company as waste. Pentagon's Sustainable Development Plan is also a remarkable business success delivering so far cost savings of 1.26 million pounds.

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European RC Award winner 2009

Schering-Plough (Avondale), IRL

Schering-Plough has developed an impressive programme not only to reach out to the local community but also to engage with it. Target audiences are schools and universities, company's families, friends and neighbors, but also government agencies and the local Industry. Schering-Plough activities include school partnerships, site tours, the collection of obsolete laboratory chemicals, energy audits for schools to identify improvement opportunities and the collection of hazardous household wastes to be properly disposed of by the company..

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RC in Chemical Transport

- Cefic-ECTA Responsible Care Partnership since 10/2008
- ECTA RC programme launched in February 2009
  - RC coordinator & RC Steering team established
  - ECTA board to review annual progress
  - Annual reporting on key performance indicators (KPI)
  - Development of verification process
- ECTA RC companies to
  - Sign agreement on RC implementation
  - Set up company's annual RC plans
  - Collect annual data on key performance indicators (KPI)
  - Ensure assessment of operations every 3 years (e.g. SQAS)
- 27 company sign-ups since February 2009
- ECTA-Cefic coordination platform established
- Regular reporting to Cefic on
  - RC company details
  - Annual RC plan
  - Annual RC data

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RC in Distribution

- Cefic-FECC Responsible Care Partnership since 1999
- National RC programmes for distributors (not in all member states)
- FECC RC programme launched in October 2009
  - Focus on countries without national distribution federation
  - Annual reporting on key performance indicators (KPI)
  - Development of verification process
- ECTA RC companies to
  - Sign agreement on RC implementation
  - Set up company's annual RC plans
  - Collect annual data on key performance indicators (KPI)
  - Ensure assessment of operations every 3 years (e.g. ESAD)
- Cefic-FECC coordination platform
- Regular reporting to Cefic on
  - RC company details
  - Annual RC plan
  - Annual RC data

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RESPONSIBLE CARE

GLOBAL CHARTER

Responsible Care®
GLOBAL CHARTER

Why the Global Charter?

Reinforces & extends Responsible Care in 3 dimensions:

- **Geographic:** Implementation of RC by companies in countries without national (RC) associations
- **Scope:** Extension from HSE matters to product stewardship & sustainability issues (e.g. tackling climate change, CO_2 life-cycle analysis, transparency etc.)
- **Value chain:** Addressing RC partnerships with other sectors

Launched in 2006 in Dubai to reinforce Responsible Care as industry response to SAICM

Signatories include CEOs from around the world and all national RC associations

Progress reported at UNEP's ICCM-2 Conference in May 2009 in Geneva

"An inspiring model of self-regulation that other industries should consider following."

(UN Secretary General Kofi Annan on Responsible Care 2006)

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RC logo extension

Trademark

Responsible Care®
OUR COMMITMENT TO SUSTAINABILITY

Tagline extension

„We encourage all Responsible Care associations and companies to use the new extended logo."

(ICCA, February 2009)

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Growing Responsible Care

GPCA exploring development of a Responsible Care. Cefic mentoring.

Russia joined RCLG in 2007

Interest from Ukraine, Romania and Croatia in initiating Responsible Care. Cefic mentoring.

Pilot underway in China. Joint AICM and CPCIA effort.

Recent inquiries from Central America. ACC mentoring.

Inquiry from Nigeria. South Africa (CAIA) mentoring.

Interest from Sri Lanka in starting a Responsible Care initiative. New Zealand mentoring.

12/1/2009 — 19

Addressing concerns

E.g. at UNEP's Strategic Approach to International Chemicals Management (SAICM)

➤ Voluntary agreement defining a policy framework to foster the sound worldwide management of chemicals

➤ Launched 2006 in Dubai at the International Conference on Chemicals Management (ICCM)

➤ 2009 ICCM2 in Geneva including roundtable discussion with CEOs

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Many Thanks for Your Attention!

Responsible Care®
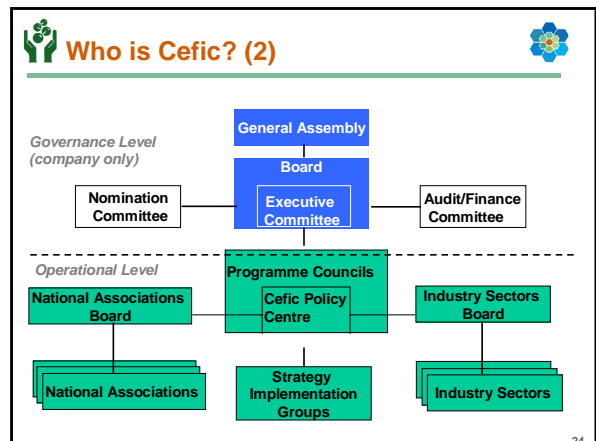OUR COMMITMENT TO SUSTAINABILITY

cefic
Chemistry making a world of difference

Back up

Responsible Care®
OUR COMMITMENT TO SUSTAINABILITY

cefic
Chemistry making a world of difference

Who is Cefic? (1)

European Chemical Industry Council: http://www.cefic.org/
Cefic is the voice of the European chemical industry in the European Union and the world. We represent 27,000 chemical companies in Europe that produce 29% of the world chemical products and employ over 1.2 million employees.

Staff & network:
150 staff members
4000 industry experts from companies & federations
(150 Sector Groups, Strategy Implementation Groups and Issue Teams)

Members & Affiliates
28 national federations in Europe
50 major international companies
Ca. 450 business members

CEFIC was founded in 1972

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Who is Cefic? (2)

Governance Level (company only)

General Assembly

Board

Nomination Committee — Executive Committee — Audit/Finance Committee

Operational Level

Programme Councils

National Associations Board — Cefic Policy Centre — Industry Sectors Board

National Associations — Strategy Implementation Groups — Industry Sectors

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Cefic programme councils

Programme Councils

- Build Trust
- Product Stewardship
- Industrial Policy
- EU Legislation & Integration
- Energy HSE & Logistics
- Research & Innovation

Strategy Implementation Groups

- Responsible Care & Sustainable Development
- Stakeholder Engagement & Communications
- Chemicals Policy
- Nanomaterials & Emerging Technologies
- International Trade
- Industrial Policy
- Legislation
- Partnerships
- Energy
- HSE
- Transport & Logistics
- Long Range Research Initiative
- Innovation
- Env & Health Emerging Issues

What else is Responsible Care?

A strong brand!

No other industry has a brand symbolizing its effort to contribute to a sustainable future.

... but why improve image?

RC Core Principles

- ➢ Improve the safety, health and environmental performance
- ➢ Use resources efficiently and minimise waste
- ➢ Report openly on achievements and difficulties
- ➢ Engage in dialogue with stakeholders, in particular with the local communities who live and work around our sites
- ➢ Cooperate with regulators, set standards that go beyond regulation
- ➢ Provide help and advice to foster the responsible management of chemicals throughout the value chain.

RC Fundamental Features

Responsible Care associations coordinate the initiative applying eight Fundamental Features:

1. Establish and implement a set of Guiding Principles.
2. Adopt a title and logo that are consistent with Responsible Care.
3. Implement management practices to assist companies.
4. Develop performance indicators to measure improvement.
5. Communicate with all interested parties.
6. Share best practices through information networks.
7. Encourage all members to commit to Responsible Care.
8. Introduce procedures to verify the implementation.

RC Association's Tasks

- ➢ Implement management practices to support companies
- ➢ Sign a Declaration of Support for the RC Global Charter.
- ➢ Appropriately license the RC logo for use by their member companies.
- ➢ Report annually to Cefic the collective KPI performance data of members
- ➢ Administer processes of verification of members' implementation of RC

RC Association's Tasks (cont.)

➢ Develop processes for the revocation of RC status and rights of companies that do not meet requirements

➢ Communicate on RC programme (RC in website, annual report a. o.)

➢ Keep members abreast of international initiatives which should be supported through RC

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RC Companies' Tasks

➢ Implement RC management practices

➢ Adopt management system approach (see e.g. Cefic's RC Management System Framework)

➢ Continuously inform and train employees on RC

➢ Perform regular self assessments (minimum; tool: SAQ) or RC verification audits

➢ Establish annual RC improvement plans

➢ Engage in dialogue with neighbors and stakeholders

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RC Companies' Tasks (cont.)

➢ Annually report KPI data to association

➢ Annually publish RC data and responsible business activities (website, report etc)

➢ Participate in RC meetings organized by association in order to share achievements and difficulties and provide help and advice to peers

➢ Communicate on RC and use RC logo (in line with ICCA RC logo guidelines)

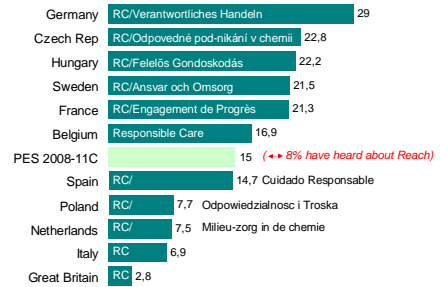➢ Provide appropriate resources to effectively implement RC

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RC Brand value

„I have heard about a program of the chemical industry called ‚Responsible Care' - a programme to continually improve the industry's health, safety and environmental performance" (in % of people interviewd)
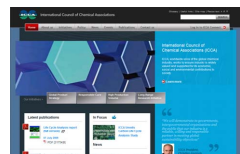
Country	Label	Value
Germany	RC/Verantwortliches Handeln	29
Czech Rep	RC/Odpovedné pod-nikání v chemii	22,8
Hungary	RC/Felelős Gondoskodás	22,2
Sweden	RC/Ansvar och Omsorg	21,5
France	RC/Engagement de Progrès	21,3
Belgium	Responsible Care	16,9
PES 2008-11C		15 (◄► 8% have heard about Reach)
Spain	RC/	14,7 Cuidado Responsable
Poland	RC/	7,7 Odpowiedzialnosc i Troska
Netherlands	RC/	7,5 Milieu-zorg in de chemie
Italy	RC	6,9
Great Britain	RC	2,8

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Cefic & ICCA Public Websites

Cefic website

ICCA website

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