



## ***Roles, Function, Activities and Benefits of CICM Membership***

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***Seminar Pengurusan Kimia Efektif dan Kos Kompetitif  
untuk Pengurus, Pembekal dan Pengguna Bahan Kimia  
bagi Perusahaan Kecil dan Sederhana 2017  
July 26, 2017 \* Pearl International Hotel, Kuala Lumpur***

## PRESENTATION OUTLINE

- ❖ Overview of the Chemical Industry in Malaysia
- ❖ About CICM
- ❖ About Responsible Care
- ❖ Upcoming Activities / Projects
- ❖ Benefits

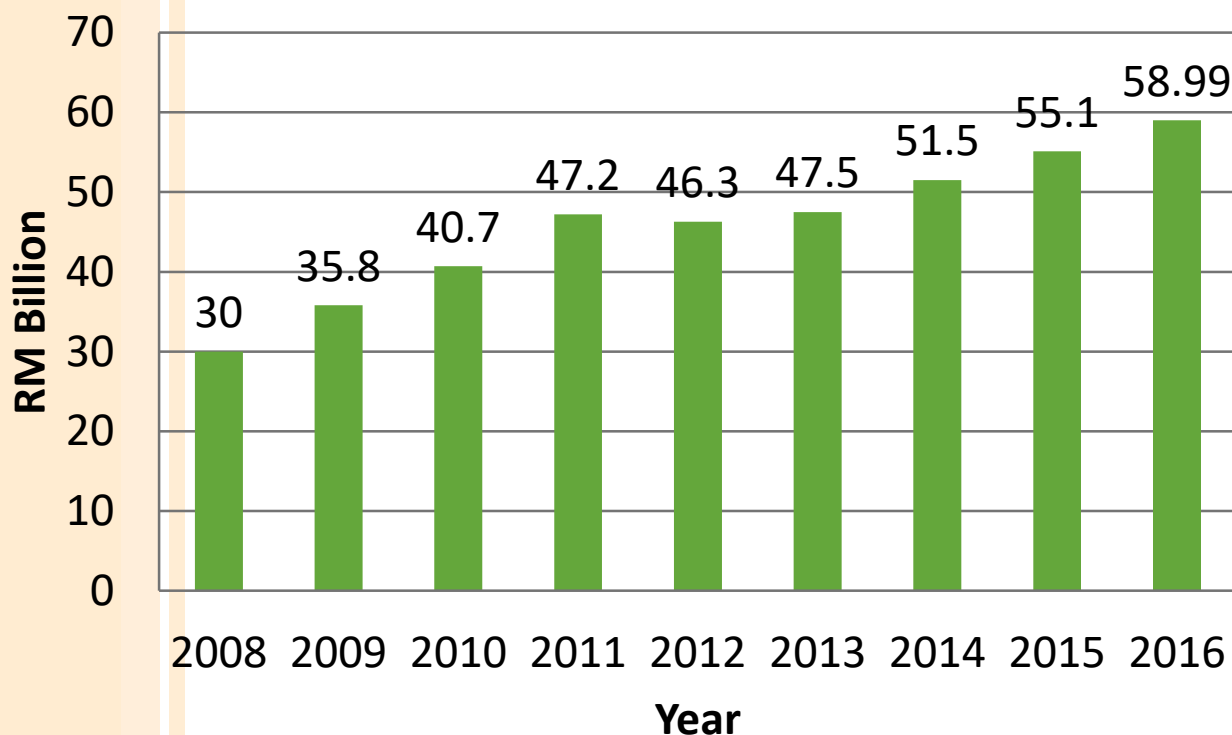
# OVERVIEW OF THE CHEMICAL INDUSTRY IN MALAYSIA

- ❖ Important industry sector that contributes as inputs to many manufacturing activities in Malaysia
- ❖ Comprises diverse sub-sectors – petrochemicals, basic industrial chemicals, pharmaceuticals, fertilizers, pesticides, oleochemicals, cosmetics and toiletries, organic chemicals, industrial gases, paints, etc.; as well as chemical traders, distributors and service providers
- ❖ Ranges from MNCs, big local companies and SMEs



# OVERVIEW OF THE CHEMICAL INDUSTRY IN MALAYSIA

**Malaysian Chemical Exports  
(2008-2016)**



- ❖ One of the major contributors of manufactured exports – 2<sup>nd</sup> after the electrical and electronics sector i.e 7.5% of total Malaysian exports
- ❖ Important export markets include ASEAN, China, Korea, Japan, US and Europe

## ABOUT CICM

- ❖ Started as an industry group under the aegis of Federation of Malaysian Manufacturers in 1978
- ❖ As the industry grew, CICM's interest and activities also expanded, therefore established and incorporated in 1982, as a company limited by guarantee
- ❖ Affiliated to the various sub-sector chemical groups in Malaysia since year 2001. At present, they are:
  - ✓ CICM-MOMG (oleochemical)
  - ✓ FMM-MIGMA (ind. gases)
  - ✓ MPA (petrochemical)
  - ✓ MPMA (paints)
  - ✓ CICM-MCRCG (coating resins)
  - ✓ FIAM (fertilizer)
  - ✓ MCPA (pesticides)

## ABOUT CICM – Our Vision

*“The Malaysian Association Championing the Sustainable Growth for the Chemical Industry”*



**RESPONSIBLE CARE**



Voluntary adoption,  
recognition and  
acceptance by  
stakeholders



**REGULATORY &  
LEGISLATIVE AFFAIRS**



Mandatory license  
to operate



**SUSTAINABLE  
BUSINESS**



Promote activities to  
create business value

## ABOUT CICM – Our Role



To promote co-operation among manufacturers of chemical products in Malaysia



To promote development and interest of the chemical industry in Malaysia and internationally



To serve as a channel of communication between the chemical industry and the Government

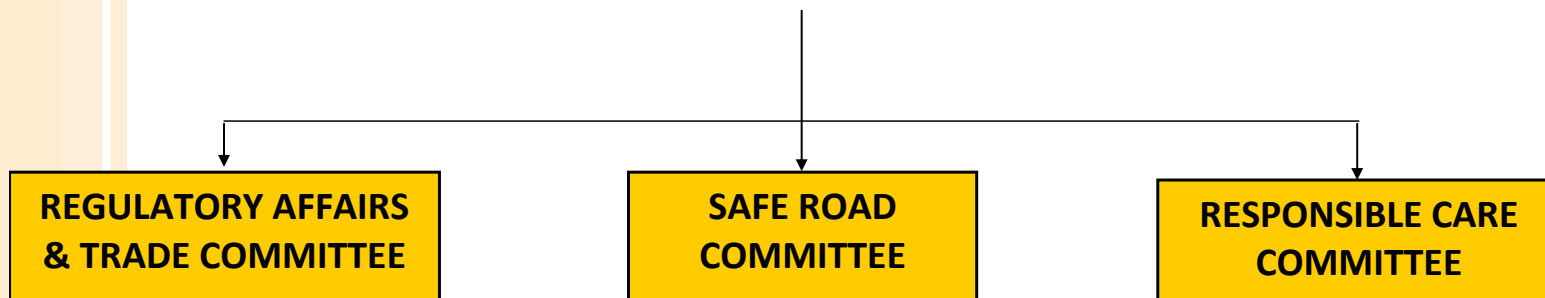


To promote HSE excellence and sustainable development of the chemical industry

# ABOUT CICM – Organization Structure

## CICM EXECUTIVE COMMITTEE

CHAIRMAN  
DEPUTY CHAIRMAN  
HONORARY SECRETARY  
HONORARY TREASURER  
6 ORDINARY EXCO MEMBERS  
7 CHEMICAL SUB-SECTOR GROUPS CHAIRMEN / PRESIDENT





## ABOUT CICM – Our Activities

- ❖ Has 104 members comprising manufacturers, traders, distributors & companies providing services to the chemical industry
- ❖ Opened to those who are in the chemical industry:
  - ❖ **Ordinary Membership** – opened to companies who are chemical manufacturers in Malaysia
  - ❖ **Associate Membership** – opened to companies engaged in trading, consultancy, providing services to the chemical industry in Malaysia

## ABOUT CICM – Function / Activities

### LIAISON WITH GOVERNMENT

CICM participates in various dialogues, meetings and consultations with the Government Ministries and its relevant agencies, e.g. MITI, NRE, MoH, DOSH, DOE, RTD, National Authority of CWC, etc. Also represented in about 14+ Govt Working Committees in MITI, NRE, SIRIM, MoFA, etc



### TRADE AND BUSINESS CONTACTS

Trade and business enquiries received by the CICM through the in-coming missions and the numerous private organisations in the country and overseas are directed to members via circulars / emails



## ABOUT CICM – Function / Activities

### **FORUM FOR MEMBERS**

CICM provides avenue for members to meet and discuss mutual issues and problems via CICM Committees:

- CICM Regulatory Affairs / Trade Committee
- CICM Responsible Care Committee
- CICM Safe Road Committee



### **PROMOTION OF HSE EXCELLENCE THROUGH RESPONSIBLE CARE**



CICM is the Malaysian steward for the Responsible Care initiative of the global chemical industry

## ABOUT CICM – Regional Co-operation

CICM represents the private sector / chemical industry in Malaysia and participates at various regional meetings / forum at ASEAN & Asia Pacific region



## ABOUT RESPONSIBLE CARE



- ❖ CICM's flagship activity in promoting continuous improvements in safety, health and environmental performance is the Responsible Care, a voluntary initiative which originated in Canada in 1985
- ❖ Now practiced by more than 66 countries worldwide
- ❖ Empowers companies to continue strive for innovative ways to contribute to vision of World Summit on Sustainable Development (WSSD) that by the year 2020, all chemicals will be produced & used in ways that minimize risks for human health and the environment
- ❖ The scope of RC covers the SHE of a chemical product from cradle-to grave of the whole life cycle of the product and goes beyond legislation.



## ABOUT RESPONSIBLE CARE - Background

- In 1960's and 1970's environmental movements in Canada and America gained momentum.
- Well-organized international groups, i.e. Greenpeace and Friends of Earth accused chemical industry for ignoring public interest in HSE. Chemical industry was called "as the despoiler of the earth".
- Chemical industry said their EHS performance were at the top.
- Their products were not placed in the market without first, vigorously tested for EHS effects on consumers.
- Throughout 1970's, pressure continued & Governments passed more laws to regulate chemical industry.
- The image of Chemical industry went from bad to worse.
- Public started questioning the chemical industry's rights to operate.

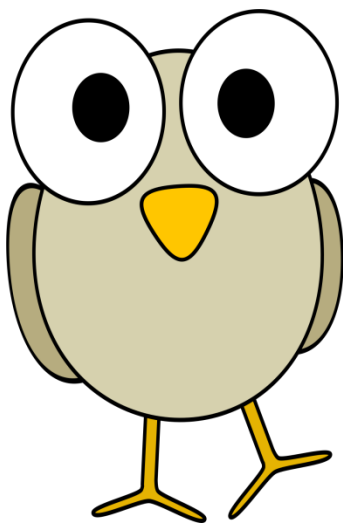


## ABOUT RESPONSIBLE CARE - Background

- More laws that aimed to cut hazardous waste pollution and to clean-up dumps, irrespective of who created them were passed.
- The chemical industry eventually lost the battle.
- Influential industry players were worried and began to see the need for industry to change its arrogant attitude.
- Started listening to the public and environmentalist.
- Canada in 1985 started involving the public and environmentalist in their EHS program.
- Found it very beneficial and successful.
- Called this initiative “Responsible Care”.
- Now an international movement of the global chemical industry with more than 66 countries worldwide adopting it.



## ABOUT RESPONSIBLE CARE – What?



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A voluntary commitment by global chemical industry to drive continuous improvement and achieve excellence in environmental, health and safety, transport and security performance.

Corporate values must emphasize a long term commitment to employees, community and public on occupational health and safety and environmental protection.

An ethic, an attitude, a method of thinking about how companies do business and their role in society.



## ABOUT RESPONSIBLE CARE – How Different?

- ❖ It is the engagement with the public that makes it unique.
- ❖ CEOs are required to make their commitment to the public, not just to the shareholders or the employees
- ❖ Be continuously alert to new ways of operation that will improve their performance in safety, health and environment
- ❖ Be prepared to respond and take corrective actions promptly to public concerns about their industry
- ❖ Be prepared to share non-confidential information about their operations and processes with the public

## ABOUT RESPONSIBLE CARE – Guiding Principles

- ❖ The Guiding Principles (GPs) refers to the responsibility of the industry to conduct its operations so as to minimize the negative impact on the workers, environment and all other persons who may be affected by the operations
- ❖ The GPs are the philosophical principles of the chemical industry under RC and form the framework for activities within the individual national association (CICM) and corporate programmes. They are the code of conduct of the chemical industry implementing the RC programme
- ❖ The CEO must declare and sign an affirmation that the GPs will be adhered to in all company operations

## ABOUT RESPONSIBLE CARE – Guiding Principles

1. To **recognize and respond to community concerns** about chemicals and operations
2. To **develop and produce chemicals** that can be manufactured, transported, used and disposed of **safely**.
3. To **make health, safety and environment considerations a priority** in planning for all products and process
4. To **report promptly** the information on chemical related health and environmental hazards and to **recommend protective measures**
5. To counsel customers on the **safe use, transportation and disposal of chemical products**

## ABOUT RESPONSIBLE CARE – Guiding Principles

6. To operate our plants and facilities in a manner that **protects the environment and the health and safety** of our employees and the public
7. To **extend knowledge** by conducting or supporting research on the health, safety and environmental effects of our products, processes and waste materials
8. To work with others to **resolve problems created by past handling and disposal** of hazardous substances
9. To participate with Government and others in creating responsible laws, regulations and standards to **safeguard the community, workplace and environment**
10. To **promote the principles and practices of Responsible Care** by sharing experiences and offering assistance to others who produce, handle, use, transport or dispose of chemicals

## ABOUT RESPONSIBLE CARE – Codes of Management Practices

- Community Awareness and Emergency Response
  - Distribution
  - Pollution Prevention
  - Employee Health & Safety
  - Product Stewardship
  - Process Safety
- Different countries may have name different Code names or additional Codes, for example:
    1. Australia - Warehouse Code
    2. US - Security Code

## **Distribution Code**

- Aim at reducing risk of harm to carriers, distributors, contractors, employees and the general public and environment
- Performance of risk assessment, emergency preparedness, provision of advice, assistance to first responders

## **Community Awareness & Emergency Response Code**

- Have public awareness programme and openly communicate EHS regarding operations
- Written and communicated procedure for “on-site” and “off-site” emergency plans
- Provide information on emission reduction, waste minimization & safe transport

## **Pollution Prevention Code**

- On-going reduction in pollution to air, water and land
- Have long-term goal setting reduction targets
- State the quantitative reduction goals for high risk substances.

## **Process Safety Code**

- Design to prevent fires, explosions and accidental releases
- Clear management accountability for all aspects of process safety, investigation and corrective actions
- Comprehensive safety reviews of new or modified system or equipment
- Employ skills development and proficiency

## **Employee Health & Safety Code**

- Provides multidisciplinary means to identify and assess hazards, prevent unsafe acts and conditions, maintain and improve employee health and communications. Involve employee in developing EHS programmes and recording and analyzing of dangerous occurrences

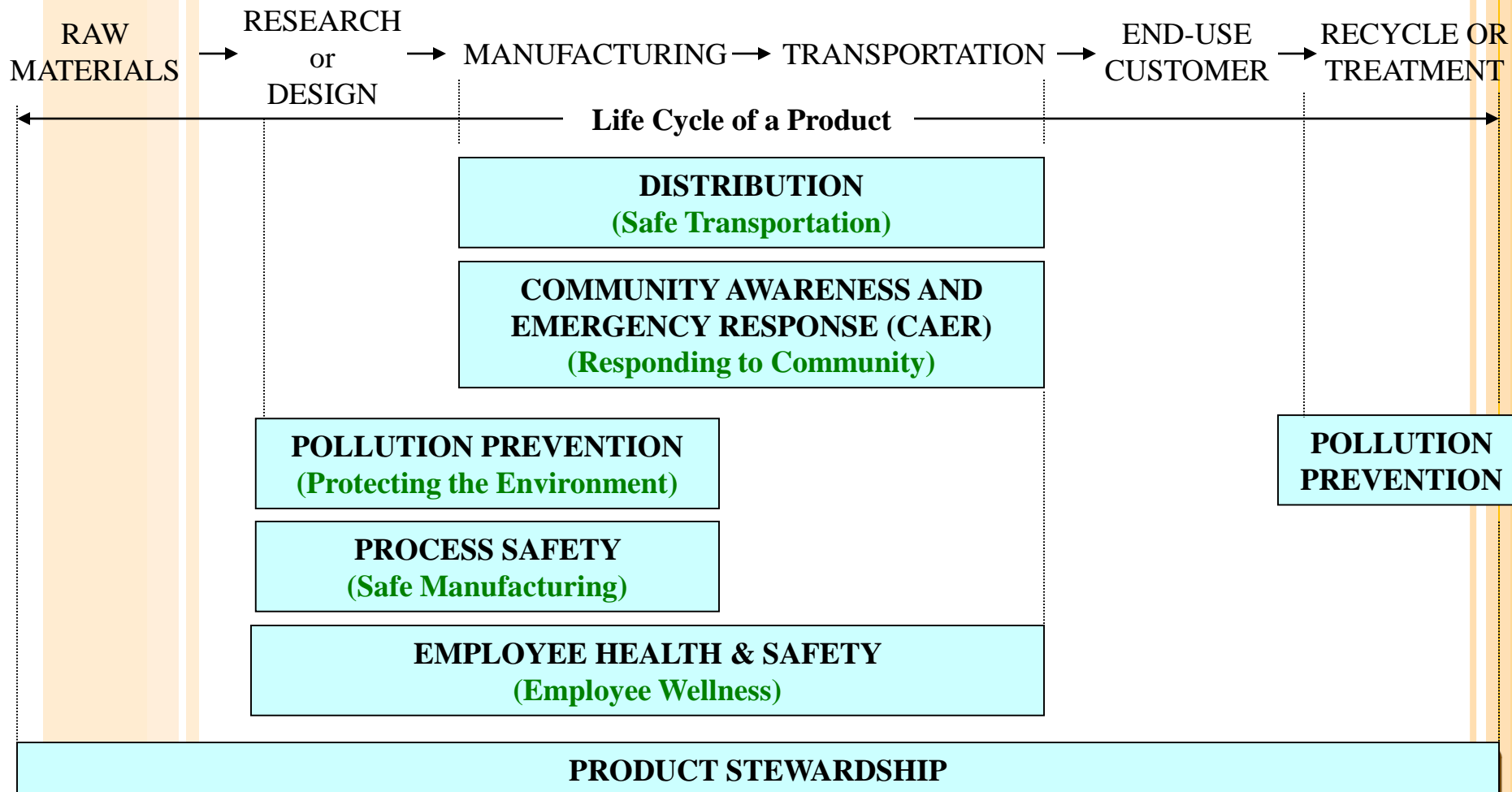
## **Product Stewardship Code**

- Seeks to make EHS an integral part of design, manufacturing, marketing, distribution, use recycling and disposal of chemical products. Must integrate risk management in all stages of a product life.

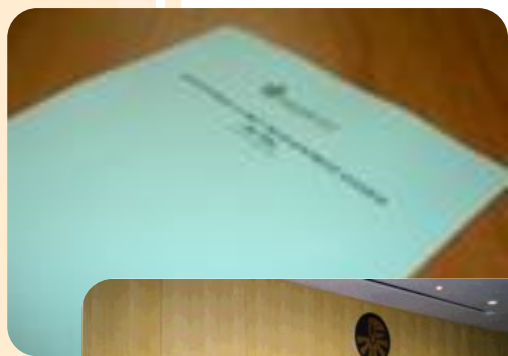


# ABOUT RESPONSIBLE CARE – Codes At a Glance

**What part do they play in the life of product?**

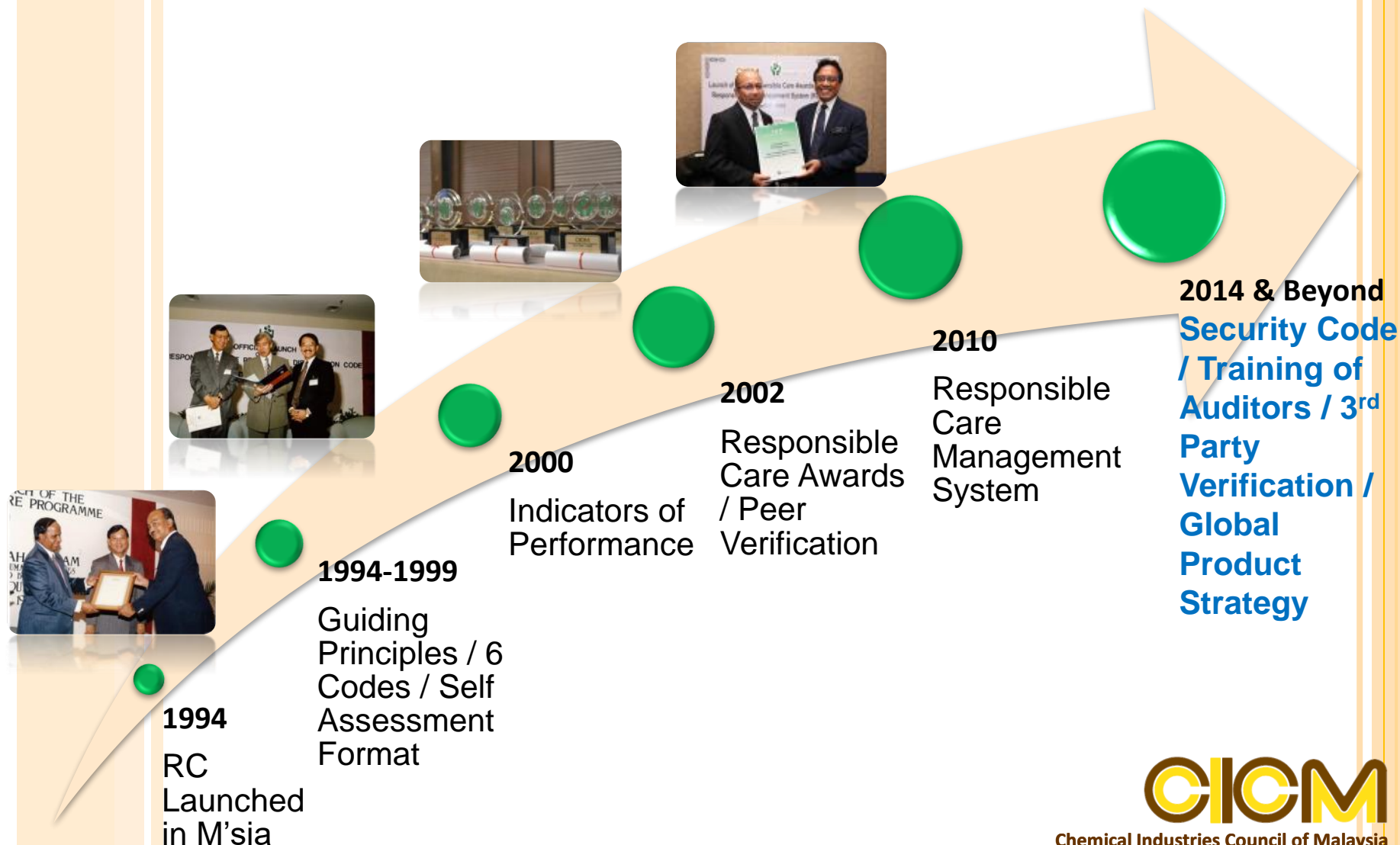


## ABOUT RESPONSIBLE CARE – Where Are We Now?



- ❖ CICM is main steward in Malaysia & began in 1994
- ❖ 132 chemical companies comprising mainly MNCs, large and medium size local enterprises currently committed to RC
- ❖ Implementation guided by Responsible Care Committee & supported by 4 regional sub-committees
- ❖ Supported by Govt & member / affiliated to RCLG, APRO & ACIC

# ABOUT RESPONSIBLE CARE – Milestones





**Responsible Care®**  
OUR COMMITMENT TO SUSTAINABILITY

## ABOUT RESPONSIBLE CARE – Activities



**Hazards AsiaPacific2017**  
26–28 September 2017,  
InterContinental Kuala Lumpur, Malaysia  
Register your interest at [hazardsap@icheme.org](mailto:hazardsap@icheme.org)



IChemE  
ADVANCING  
CHEMICAL  
INDUSTRIES  
WORLDWIDE

***RC & Safety Seminars /  
Conferences***

***Meetings &  
Consultations***



***Responsible  
Care Run***



**CICM**

Chemical Industries Council of Malaysia



## ABOUT RESPONSIBLE CARE – Activities

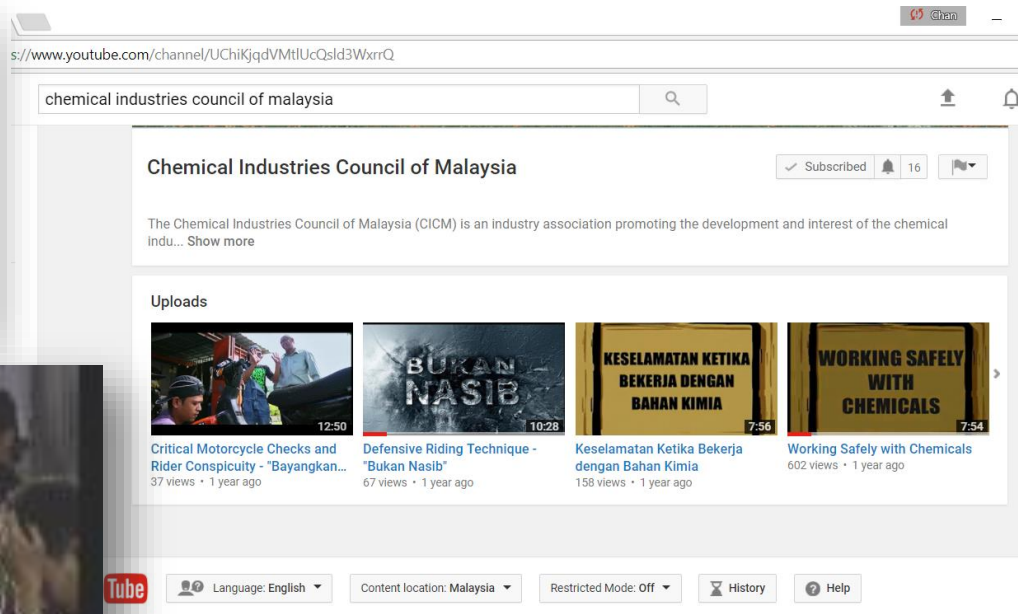
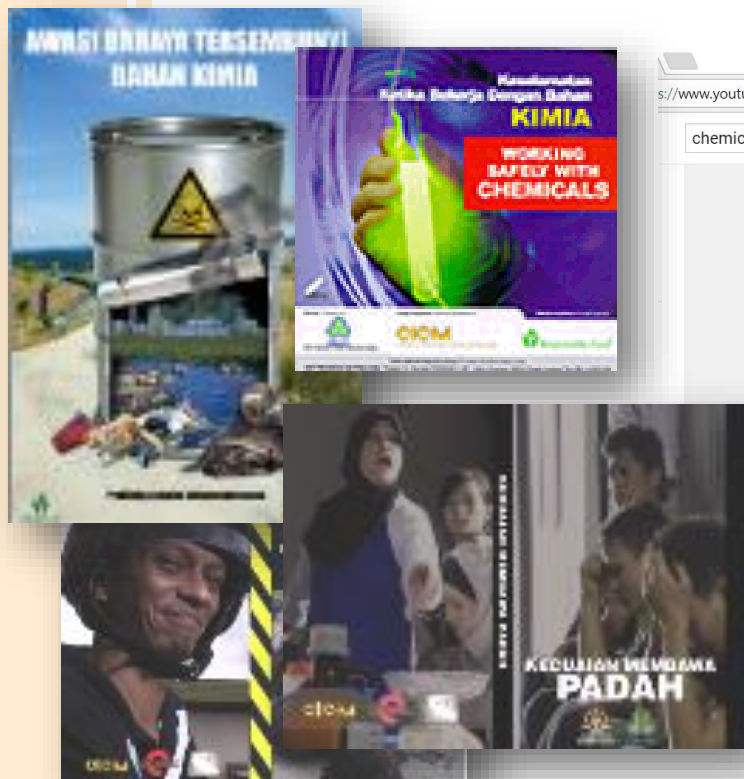


- To promote greater awareness of the Responsible Care Programme and its principles
- To give recognition to those organizations that have made most progress in implementing the Responsible Care's 6 Codes of Management Practices
- Categories:
  - ❖ Corporate Award for the 6 Codes of Management Practices
  - ❖ Special Award for SMEs
  - ❖ Responsible Care Leadership Award
- Judging Process
  - ❖ Documentation Assessment
  - ❖ Site Assessment

**FOR MORE INFORMATION:**

<http://www.cicm.org.my/index.php/responsible-care/responsible-care-awards>

# ABOUT RESPONSIBLE CARE – Activities



<https://www.youtube.com/channel/UChiKjqdVMtIUcQsld3WxrrQ>

*Safety Videos & Posters*

## UPCOMING ACTIVITIES / PROJECTS

### Hazards Asia Pacific 2017 Symposium



For registration & more information, visit: [www.hazardsap.org](http://www.hazardsap.org)



- ✓ Process safety conference taking place on September 26-28, 2017 at the InterContinental Kuala Lumpur
- ✓ Theme: ***“Process Safety: Now, More than Ever”*** and will discuss topics on design, operations & maintenance, organisation and new frontiers in process safety
- ✓ Featuring 10 keynote speakers from local & abroad from the Industry, Government & Academia & 22 presenters
- ✓ Comprise plenary & parallel sessions, as well as consultant workshops & IChemE’s interactive case study simulation session
- ✓ Exhibition for showcasing products & services and social events for networking
- ✓ For more information: [www.hazardsap.org](http://www.hazardsap.org)





**Responsible Care®**  
OUR COMMITMENT TO SUSTAINABILITY

# UPCOMING ACTIVITIES / PROJECTS

## National Road Emergency Response Services (NaRER)

NATIONAL ROAD EMERGENCY RESPONSE SERVICES  
(NaRER)

A SERVICE PROVIDED BY



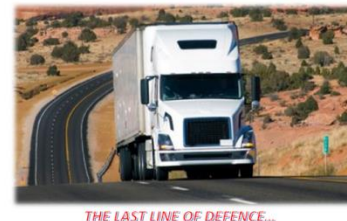
CHEMICAL INDUSTRIES COUNCIL OF MALAYSIA



*THE LAST LINE OF DEFENCE...*



Chemical Industries Council of Malaysia



- ✓ NaRER was established with the aim to support chemical companies to manage and mitigate all road emergencies, i.e. issues of lost product containment, especially DG cargo
- ✓ A comprehensive one stop service covering all phases of road emergency management:
  - ✓ **LEVEL 1:** Provision of data and information
  - ✓ **LEVEL 2:** Provision of on-site advice and response
  - ✓ **LEVEL 3:** Provision of on-site clean up
  - ✓ **OTHER SERVICES:** Emergency Response & Crisis Management trainings, exercise & audits
- ✓ Service targeted to be fully launched by year end and will be on subscription basis
- ✓ Interested companies are to contact CICM Secretariat at [secretariat@cicm.org.my](mailto:secretariat@cicm.org.my)

## BENEFITS

- ❖ Companies are participating in a globally recognized safety, health and environment programme / initiative
- ❖ Through CICM, your company is able to voice industry concerns to the Government, for example; on safety, health and environment legislation / policies
- ❖ CICM hold regular dialogues with the relevant Government agencies and being a signatory, you have access to Government enforcement agencies
- ❖ Your company also have access to other members to share best practices through networking activities e.g. the regional zone committee meetings, seminars and briefing sessions, etc. In addition, your company has access to the resources and experiences of MNCs to guide in the implementation of safety, health and environment practices

## INTERESTED?

Chemical Industries Council of Malaysia  
Wisma FMM, No. 3, Persiaran Dagang, PJU 9  
Bandar Sri Damansara, 52200 Kuala Lumpur  
Tel: 03-6286 7200 / Fax: 03-6277 6714

Visit [www.cicm.org.my](http://www.cicm.org.my) or contact:  
[secretariat@cicm.org.my](mailto:secretariat@cicm.org.my)

**THANK YOU**  
*Terima Kasih*