



ICCA's Contribution to SAICM:

**The Global Product Strategy
(GPS)**

A Global Voice for the chemical industry

- The International Council of Chemical Associations (ICCA) is the world-wide voice of the chemical industry
- ICCA promotes and co-ordinates Responsible Care and other voluntary chemical industry initiatives.
- ICCA enables and encourages its members to:
 - Exchange information, knowledge and share best practices
 - Promote the spirit, principles and practice of Responsible Care
 - Present a united chemical industry view to - and interact with - key international organisations (e.g. UNEP, OECD)
 - Support international free trade and the World Trade Organization (WTO).



ICCA Chemicals Management Programs - Benefit Future Generations

ICCA's Vision

That “the global chemical industry will be widely valued and supported for its economic, social and environmental contributions to society.”

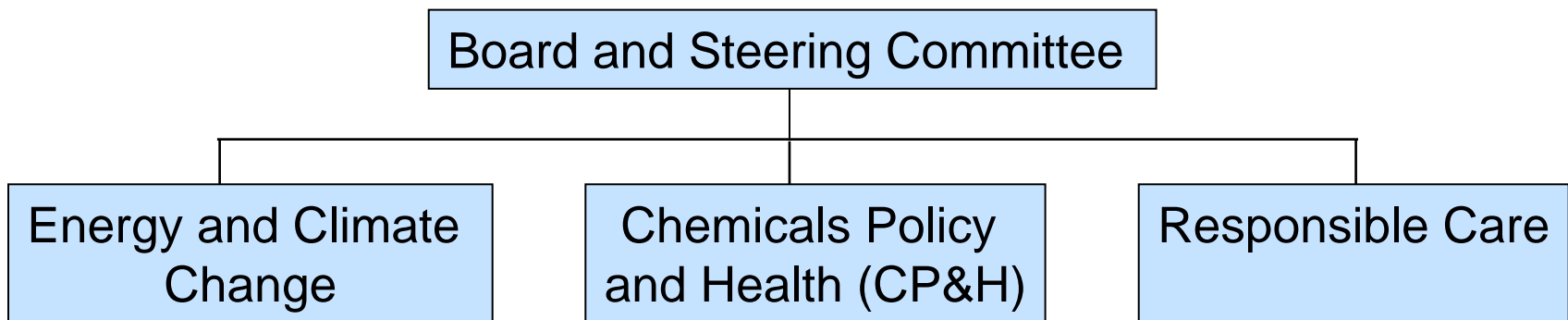
ICCA's Mission

To “help the global chemical industry improve financial performance and reputation by tackling global issues and by helping the industry to improve continuously its performance through GPS, Responsible Care® and other programs.”



ICCA Reorganization

- October 2007 ICCA Board approved “working level” restructuring with focus on three priorities



Chemicals Policy and Health

- Juergen Hambrecht (BASF), CEO Sponsor
- Co-chairs Martin Kayser (BASF) and Greg Bond (Dow)



ICCA Initiatives – Contribution to achieve the SAICM goal

In this section:

GPS

Global Product Strategy

Product stewardship is the industry's management of the health, safety and environmental aspects of a product throughout its total life cycle, working in cooperation with upstream and downstream users. [read on >](#)



Responsible Care

Under Responsible Care®, the worldwide chemical industry is committed to continual improvement in all aspects of health, safety and environmental performance and to open communication about its activities and achievements. [read on >](#)

HPV

(HPV) Chemicals Initiative

The chemical industry recognises the need for a sufficient knowledge base to assess the health, safety and environmental effects of chemicals and to assist users and governments to manage the risks they may pose. [read on >](#)

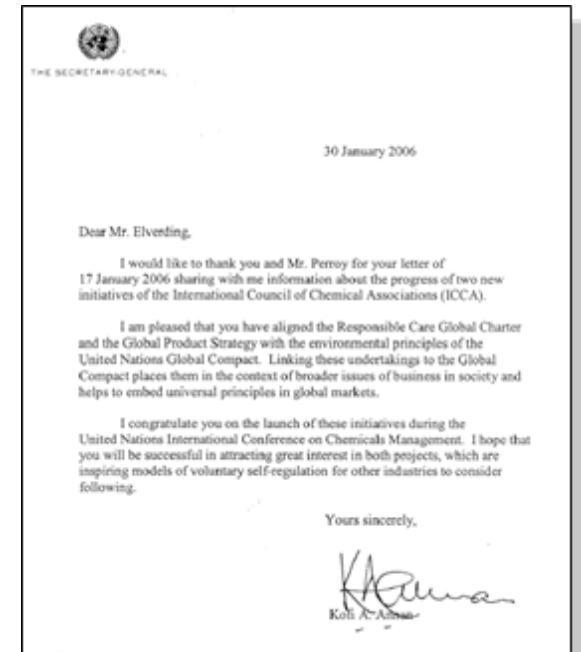
LRI
The Long-range
Research Initiative

Long-range Research Initiative

Under the Long-range Research Initiative (LRI), the European Chemical Industry Council (Cefic), the American Chemistry Council (ACC) and the Japan Chemical Industry Association (JCIA) have jointly committed to support research [read on >](#)

ICCA Challenge – Global Product Strategy (GPS)

- GPS as an essential element of Product Stewardship performance is critical to the reputation of the chemical industry
- GPS was launched at the Dubai conference in Feb. 2006 to increase public confidence
- All major chemical companies accepted the obligation to put GPS into practice
- ICCA committed GPS as contribution to the UN SAICM process
- First positive feedback by UN (Kofi Annan)
- External review process through ICCM-Conference May 2009



Responsible Care® Global Charter – Global Product Strategy

SAICM

Responsible Care Global Charter

5. Enhance the management of chemical products worldwide (Product Stewardship)



Global Product Strategy (GPS)

1. Develop global stewardship guidelines
2. Develop a system for implementation
3. Define risk-based assessment process
4. Improve flow of information's in the value chain
5. Partnership with inter-governmental organizations and stakeholders
6. Share relevant information between industry and with public
7. Effort to close data gaps and identify emerging issues
8. Communicate GPS (internal / external)
9. Develop global advocacy principles

Global Product Strategy (GPS) – Chemical industry's global contribution to SAICM

Global Product Strategy (GPS)

◆ Regulatory initiatives

- EU REACH
- US TSCA
- US ChAMP
- Canadian DSL
- Japan METI
- GHS
- etc.

◆ Voluntary initiatives

- Responsible Care
- ICCA HPV
- Base set of information
- OECD / SIDS
- LRI
- etc.

Globally consistent approach that accommodates national, historical, cultural and regulatory differences





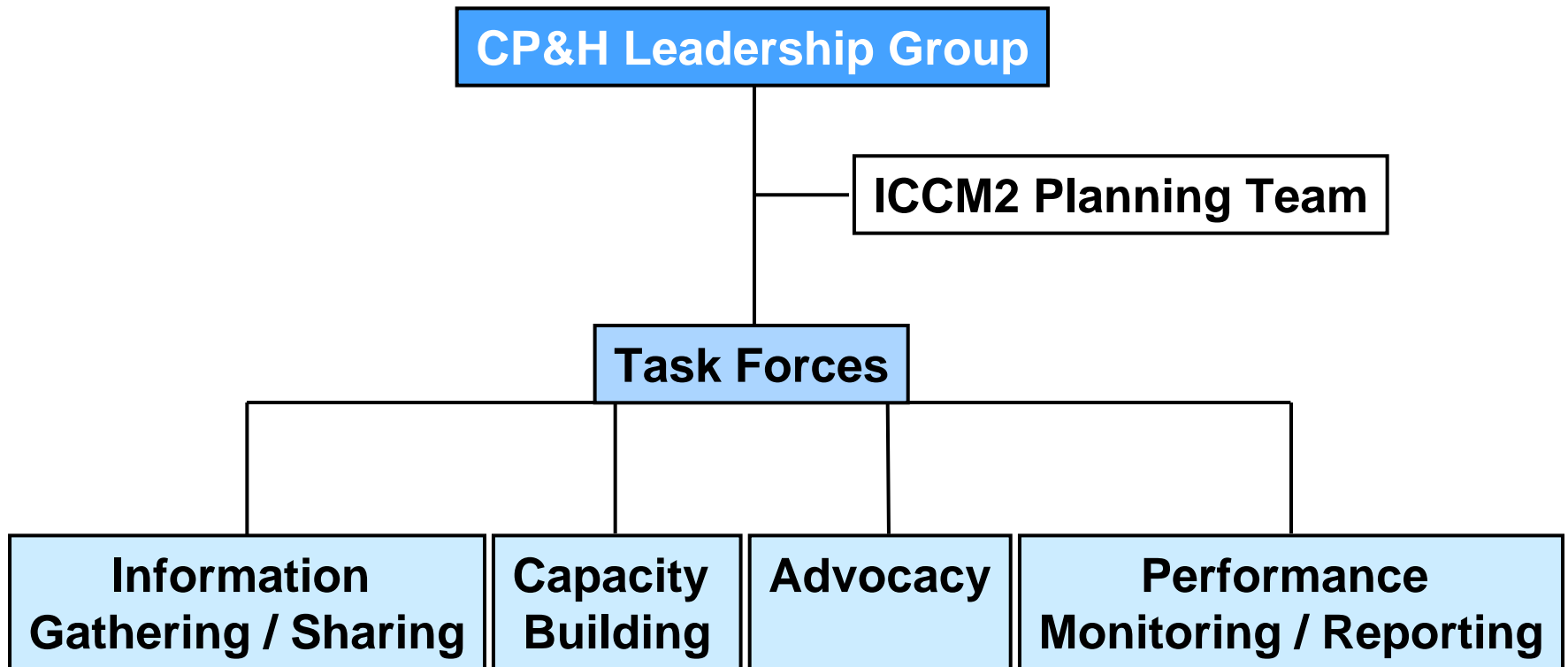
Status of GPS Development / Implementation

CP&H Priority Objective – Improve industry performance

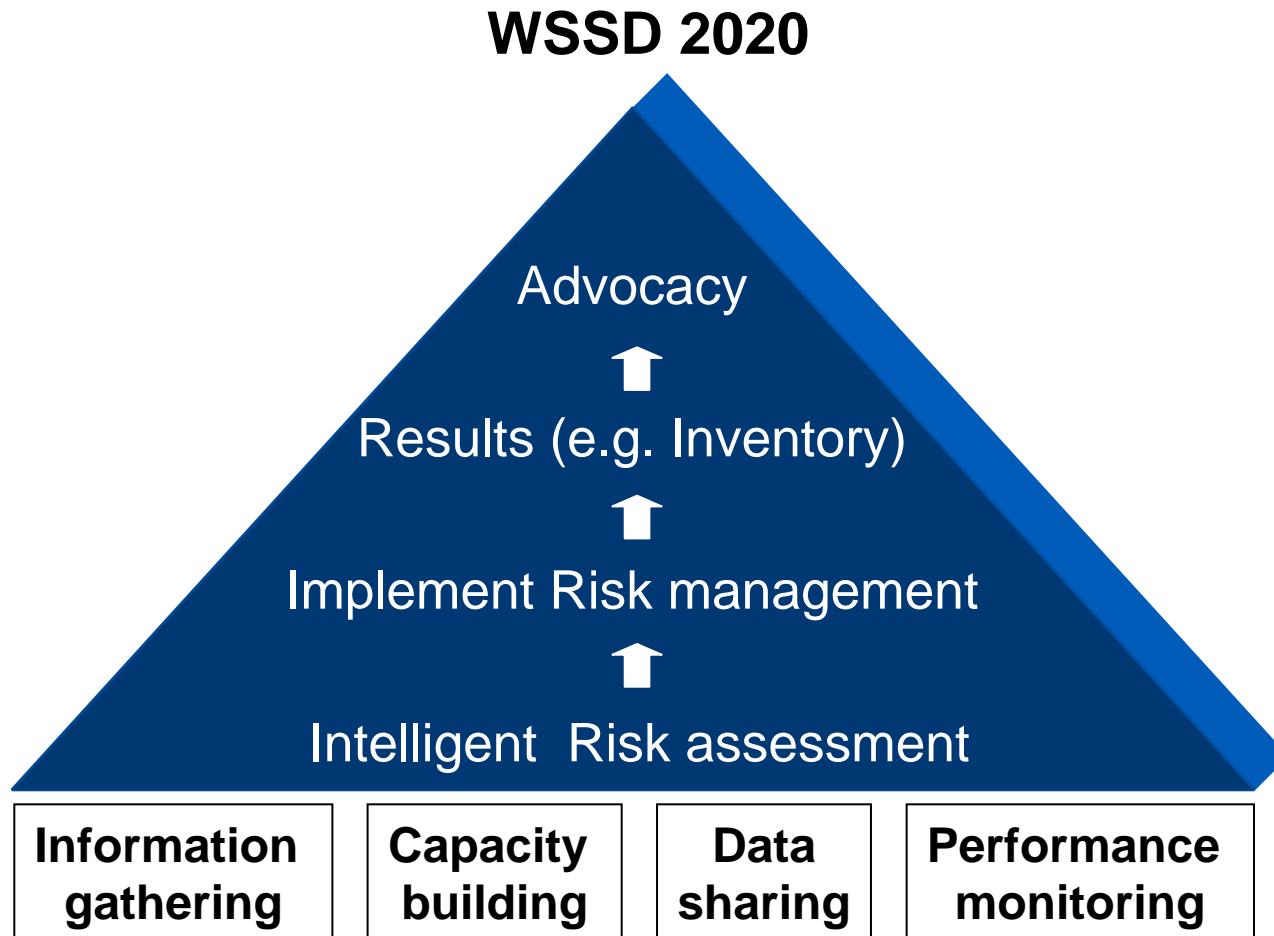
1. Improve intelligent risk assessment processes and information gathering
 - Base set of information for chemicals in commerce
 - Risk assessment for chemicals in commerce
 - Process for sharing of relevant information
 - Develop an inventory for chemicals in commerce
2. Continuous performance monitoring and reporting (e.g. metrics, milestones, auditing process, etc.)
3. Ongoing capacity building to support developing regions/industries
4. Advocacy of results not intentions to governments and stakeholders



Chemical Policy & Health (CP&H) – New organization



Final Goal - Intelligent risk-based strategy for chemicals in commerce



CP&H Vision

“The public has confidence that chemicals are used safely throughout their lifecycle”

By 2020, through a combination of voluntary and regulatory initiatives, we will have:

- Established a base-set of hazard information adequate to conduct safety assessments for chemicals in commerce
- Provided global capacity to implement best assessment practices and management procedures, especially in developing countries
- Shared relevant product information with co-producers, governments and the public
- Worked across the value chain so suppliers and customers can effectively evaluate the risks and enhance their performance
- Made information on chemicals publicly available (GPS IT-portal via <http://www.icca-chem.org/>.)



ICCA GPS Key Messages

1. Advocate for a balanced combination of regulations and voluntary programs
2. Enhance information exchange on chemicals at global level between co-producers, along the value chain, with governments and the public
3. Provide capacity building to developing countries and SMEs to help them effectively evaluate the risks of their products and enhance their performance
4. Elevate global standard of product safety assessment and reduce existing differences in the safety of chemicals between developing, emerging and industrialized countries





Base Set of Information

Scope of GPS risk assessment

GPS activities are focused on chemicals in commerce

- Exceeding a threshold of 1 t/y per company or
- Having a highly toxic / eco-toxic profile generating a major threat to employees or the public even in very small amounts



Risk characterization and risk management measures for chemicals in commerce until the year 2018



Improve industry performance – ICCA GPS Base Set of Information

- A base set of information is needed to perform a credible job on GPS safety assessment
- Similar to the US EPA and ICCA High Production Volume chemical programs concept
- Helpful to companies that lack expertise, permits gaps to be filled through non-animal testing
- The "base set" constitute a best practice for the industry, helps to shape management systems in developing countries



Base set of Information – Standard parameters for all substances



Substance Identity

- CAS Number(s)
- Name(s)
- Structural Formula

- Composition being assessed
- Use Pattern (categories types)
- Sources of Exposure

Phys / Chem

- Physical state
- Melting Point
- Boiling Point
- Relative Density
- Vapour Pressure
- Partition Co-efficient
- Water Solubility
- Ignition temperature
- Explosiveness

Tox / Ecotox

- Acute toxicity data (relevant route of exposure e.g. oral, dermal, inhalation)
- Acute Toxicity (most sensitive species: fish, daphnia or algae)

- Biodegradability

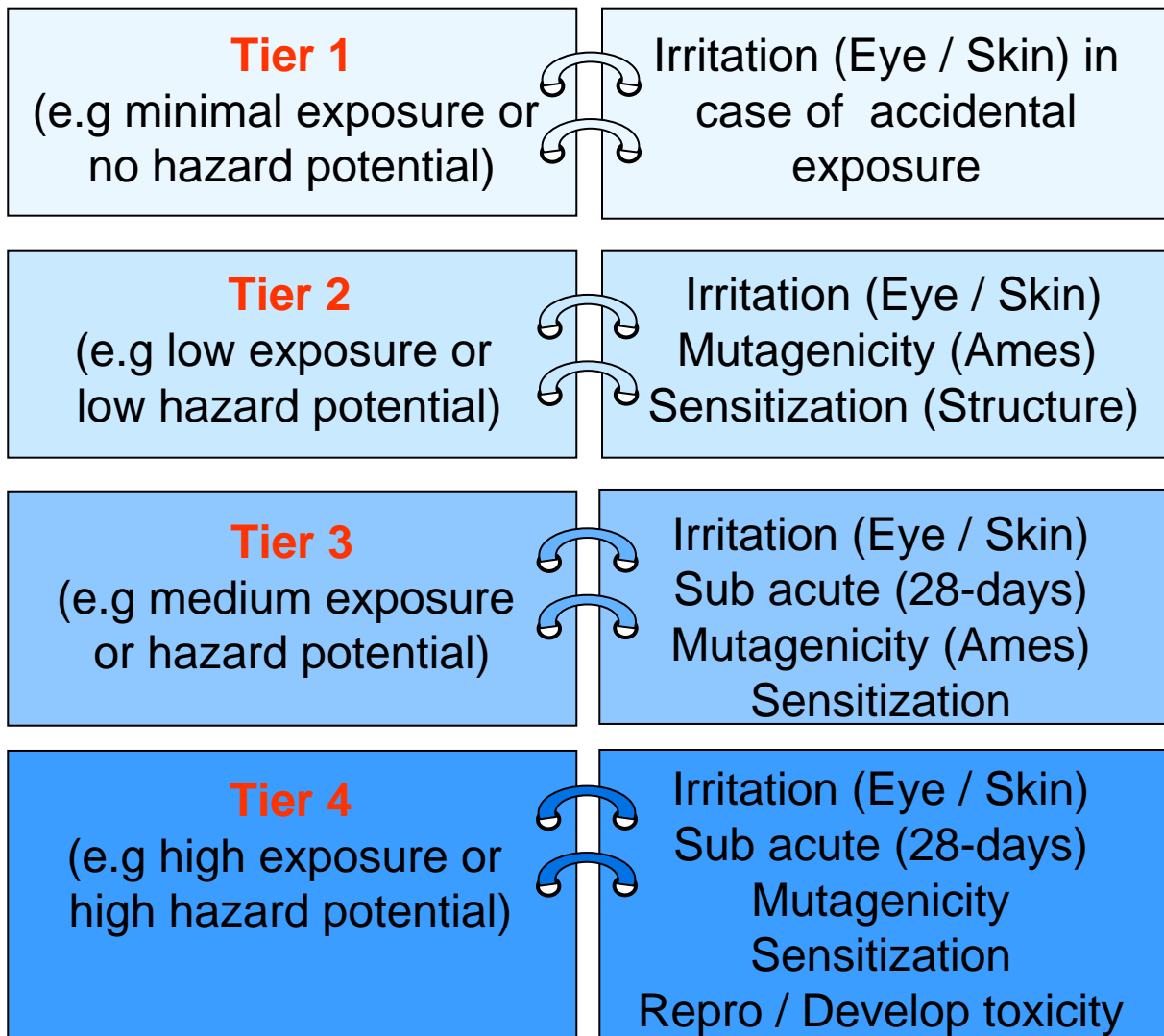
Base Set of Information - Tiered toxicological data requirements

Standard Parameters

1. Identity
2. Phys-Chem
3. Tox / Ecotoxicity (accidental exposure)
4. Biodegradability



Tier 1 - 4

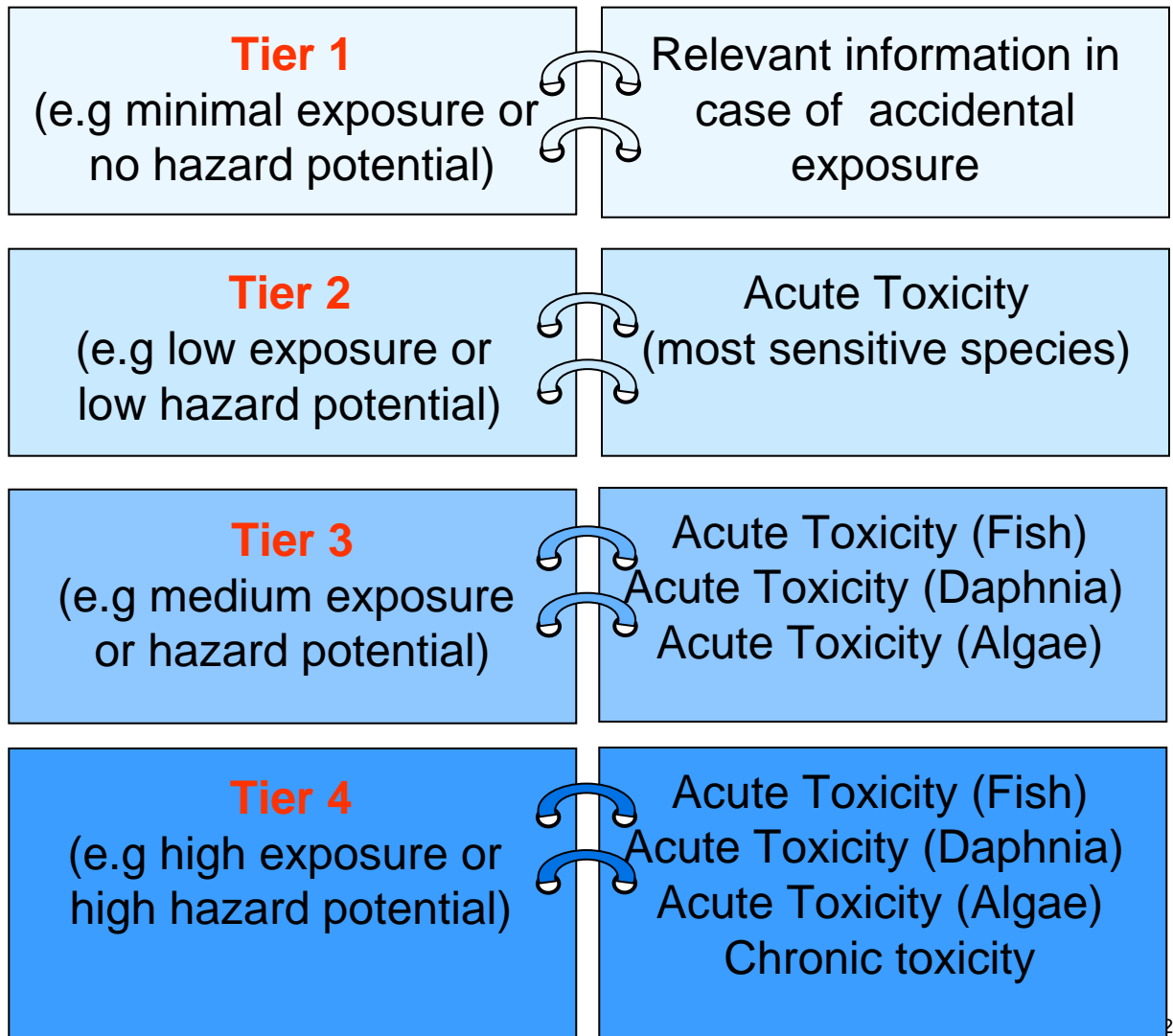


Base Set of Information - Tiered ecotoxicological data requirements

- Standard Parameters**
1. Identity
 2. Phys-Chem
 3. Tox / Ecotoxicity (accidental exposure)
 4. Biodegradability



Tier 1 - 4



Alternative source of information to fulfill Base set of Information

- (Quantitative) Structure Activity Relationships
- Read-across
- Category approaches
- Waiving criteria
- *In vitro* methods
- Expert judgment
- Historical human data available
- Available Literature and databases



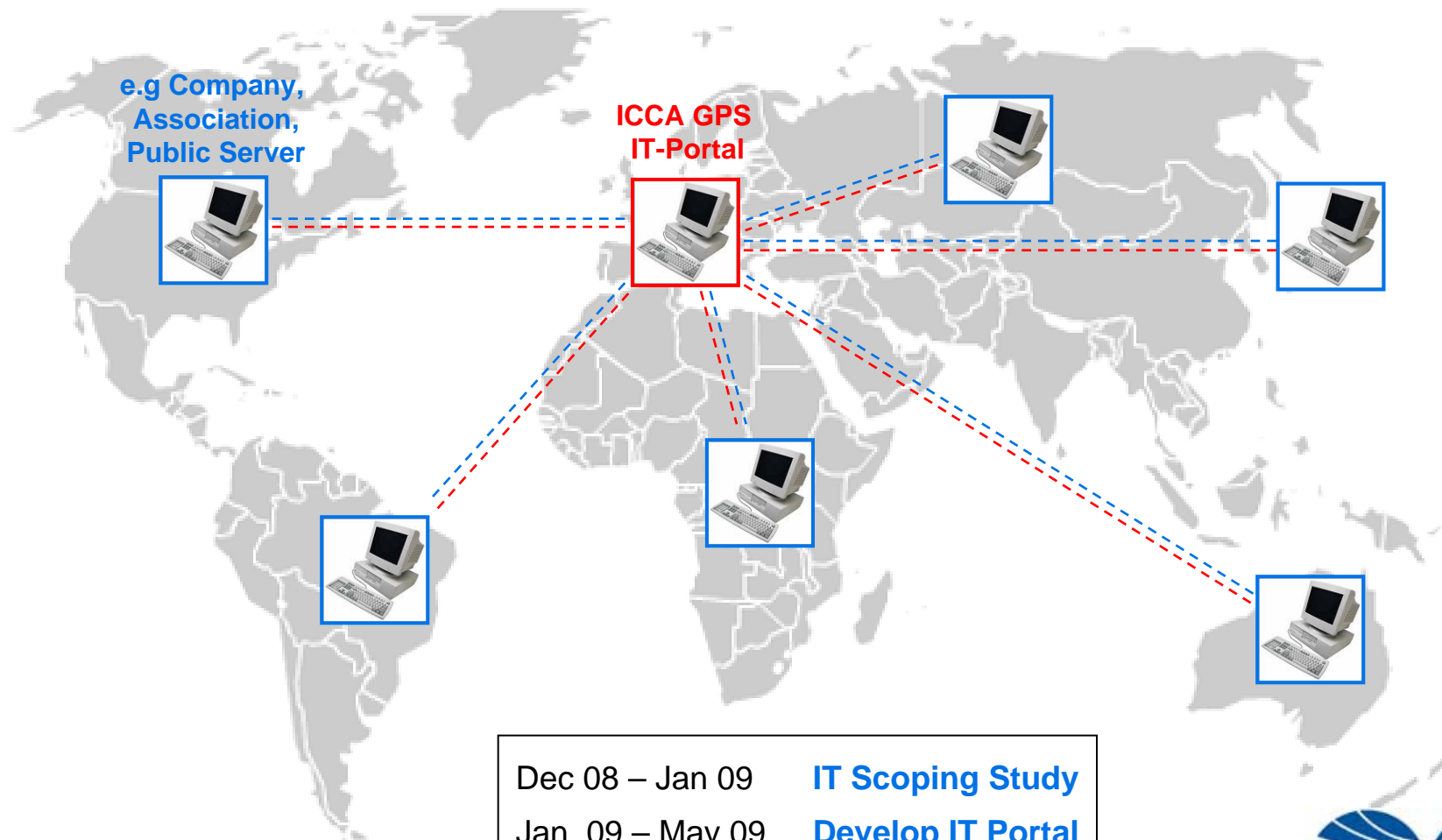
Information / Data Exchange under GPS

How to share information and / or data ?

Global GPS IT-Portal

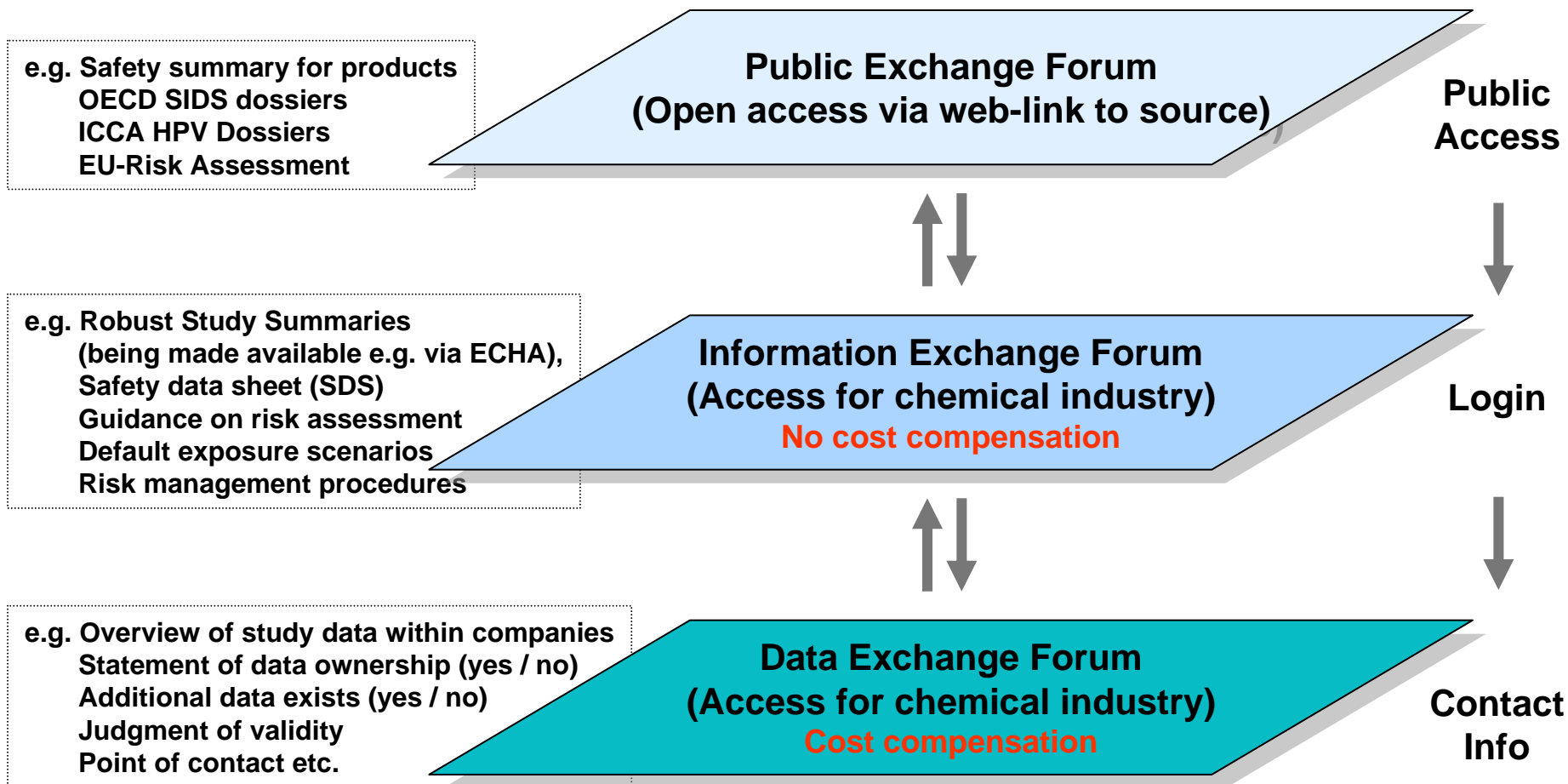
- Information on a substance collected solely for risk assessment / management purposes will be shared among co-producers with **no cost compensation**
- Data on a substance used to obtain a valid government registration would qualify for a **simplified cost compensation** scheme based on fixed prices for several types of tests and studies .
- Fixed cost categories are a best practice recommendation for companies under GPS. Existing cost sharing agreements (e.g. HPV or REACH consortia) should be maintained as such.

Central Global Source of Information - Access via web based portal



Exchange Forum Levels - Information vs. Data

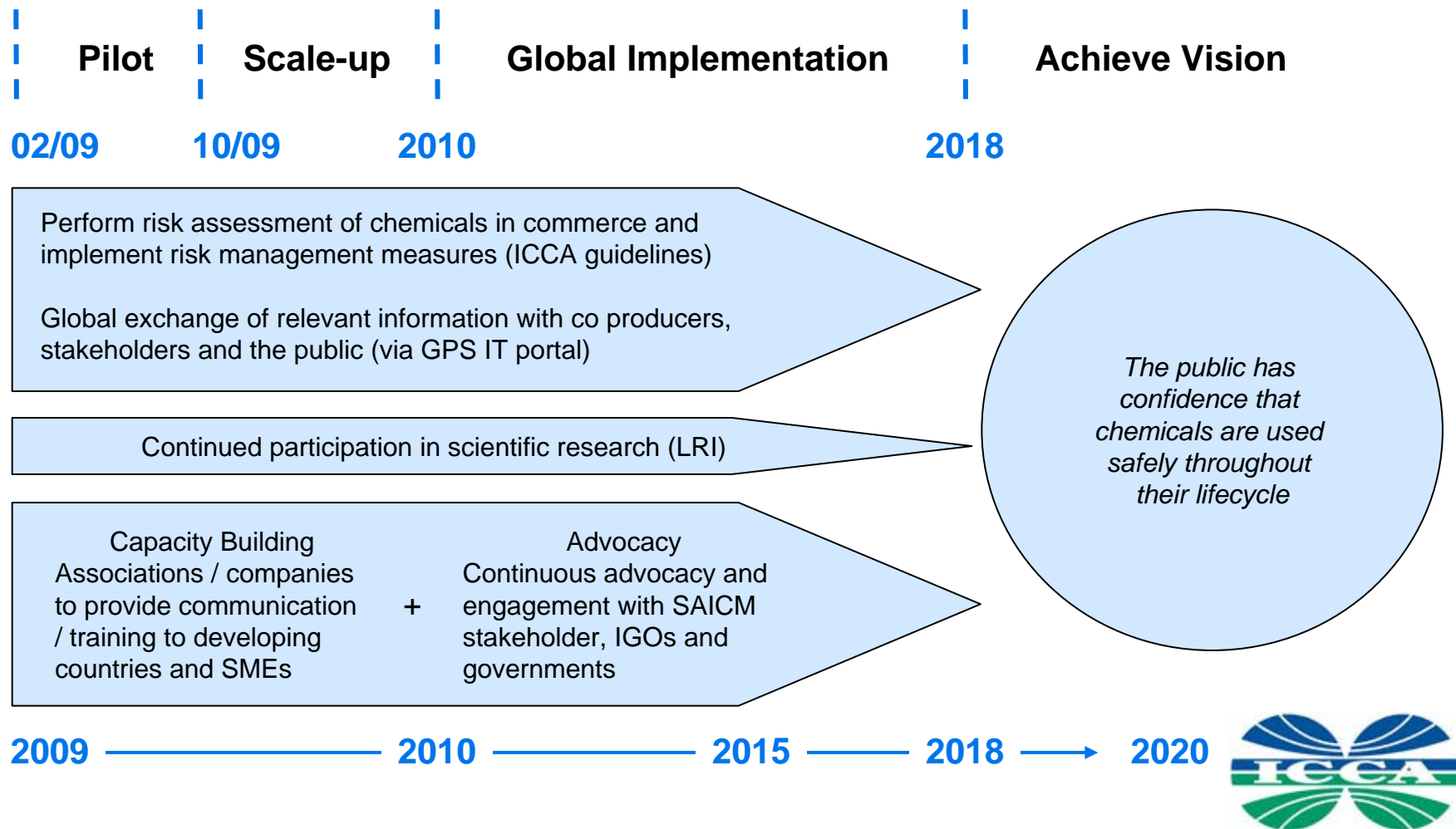
(Additional process guidance currently developed on TF IGS level)





Timeline

ICCA GPS Implementation till 2020 - Phased Approach





Additional Information

ICCA Global Product Strategy Webpage (www.icca-chem.org)

ICCA - A global voice for the chemical industry - Windows Internet Explorer

http://www.icca-chem.org/section02d.html

ICCA - A global voice for the chemical industry

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INTERNATIONAL COUNCIL OF CHEMICAL ASSOCIATIONS

A global voice for the chemical industry

ICCA initiatives

About us

ICCA initiatives

- Global Product Strategy
- Responsible Care
- High Production Volume (HPV) Chemicals Initiative
- Long-range Research Initiative (LRI)

ICCA at ICCM

- Johannesburg Summit
- Commitment to safety
- Publications
- Position papers
- Press releases

Global Product Strategy

Product stewardship is the industry's aspects of a product throughout its to downstream users.

In early 2006, the chemical industry, r Strategy (GPS) to enhance stewardsh product chain. The GPS effort is an ir several current stewardship initiatives improvement, fosters greater transpa stewardship to a higher level within th

ICCA's new Global Product Strategy:

- Sets guidelines for continuous greater transparency.
- Facilitates the development ar practices.
- Promotes a tiered process for actions for chemicals in comm
- Calls for measuring industry p
- Improves product stewardship industry.
- Supports partnerships with int product stewardship.
- Enhances outreach and dialo
- Builds a foundation for constr

For further information, see:

- Global Product Strategy Brochure (February 2008).
- Product Stewardship Guidelines (December 2007)
- Global Product Strategy - Background information (March 2007)
- Global Product Strategy - General Presentation (March 2007)
- Global Product Strategy - General information (March 2007)
- Press Release – “ICCA Commits to Improve Chemicals Management; Launches Two Initiatives to Support SAICM” (5 February 2006).
- Brochure – ICCA Global Product Strategy (September 2006).

ICCA Information on GPS



The International Council of Chemical Associations Product Stewardship Guidelines

Product stewardship is an important pillar of Responsible Care®, the industry's key mechanism for managing the health, safety and environmental protection throughout its life cycle. Product stewardship is the practice of safety and environmental protection an integral part of the life cycle of chemicals.

These Guidelines are provided to assist companies in designing and implementing product stewardship programs built on a management systems approach. They are prepared as part of an ICCA global chemical industry voluntary initiative for the use of product stewardship throughout the global industry and its value chain. This is one aspect of the industry's effort to achieve the goal of the World Summit on Sustainable Development, that by 2020 "...chemically produced in ways that lead to the minimization of significant adverse health and the environment." The guidelines address only product stewardship and assume that companies have effective programs addressing worker safety, pollution prevention and other aspects that are also part of the 2020 goal.

These guidelines describe the basic elements of a product stewardship program. It is understood that companies will initiate product stewardship programs consistent with the skills and resources available to them. It is also recognized that each company will tailor and continually improve its program according to the markets into which they sell their products, their product mix and the risks. As companies gain experience, they should move to higher levels of product stewardship.

December 2007

The ICCA Long-term Global Product Stewardship Strategy

A Progress Report since the ICCM, Dubai, 4-6 February 2006



FAQ



Global Product Strategy (GPS)

What is the Global Product Strategy?
ICCA developed a Global Product Strategy to improve product stewardship within the chemical industry and with customers throughout the chain of commerce.

What does the Global Product Strategy do?
The GPS is designed to improve the global chemical industry's product stewardship performance by recommending measures to be taken by companies, working together with their chemical associations, and in cooperation with activities of other companies and associations along the chemical value chain.

What are the key components of the Global Product Strategy?

- Guidelines for product stewardship, including ways to make relevant product stewardship information more transparent.
- A tiered process for completing risk characterization and risk management actions for chemicals in commerce.
- Product stewardship performance with a special focus on working directly with downstream customers of the chemical industry.
- Exploration of a potential partnership with an intergovernmental organization to enhance global product stewardship.

What specific actions does the Global Product Strategy recommend?

- Voluntary industry actions.
- Cooperative efforts with industry groups and companies that are customers and suppliers to the chemical industry.
- A potential role for partnerships with Intergovernmental Organizations and other stakeholders.
- Outreach and dialogue with customers and stakeholders.

Does the Global Product Strategy contemplate a uniform international industry approach?
No. The Global Product Strategy provides implementation flexibility and recognizes that there are distinct national, historical, and cultural "ways of doing business," as well as distinct regulatory and legal requirements across the globe. By working together to implement the strategy, however, the global industry will improve product stewardship within the many countries and cultures in which its products find beneficial uses.

How does the Global Product Strategy work with other industry initiatives?
Concrete measures adopted through the strategy are an important part of the global chemical industry's implementation of Responsible Care and the new Responsible Care Global Charter. The Global Product Strategy also incorporates important related initiatives, including implementation of the ICCA Global Chemicals Management Policy, the Long-Range Research Initiative, the High Production Volume chemical testing program, and regional communications activities.

The global chemical industry will be widely valued and supported for its economic, social and environmental contributions to society

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GLOBAL PRODUCT STRATEGY

If the health, safety and environmental performance of chemical products is to be improved, the industry's Responsible Care® program and the Global Product Strategy (GPS). Product stewardship is a shared responsibility requiring close cooperation with suppliers and downstream users. The GPS also creates new avenues for partnership and cooperation reflecting ICCA's ongoing commitment to the SAICM (Strategic Approach to International Chemicals Management).





Back-up

Global Product Strategy (GPS)

FAQ: Global Perspective

- **Does the Global Product Strategy contemplate a uniform international industry approach?**
- The Global Product Strategy provides implementation flexibility and recognizes that there are
 - distinct national, historical, and cultural “ways of doing business,”
 - distinct regulatory and legal requirements across the globe.
- In a joint effort the global chemical industry will improve safe management of chemicals and product stewardship within the many countries and cultures in which its products find beneficial uses.



Global Product Strategy (GPS)

FAQ: ICCA Voluntary Programms

- **How does the Global Product Strategy work with other industry initiatives?**
- Concrete measures adopted through GPS are an important part of the global chemical industry's implementation of Responsible Care and the new Responsible Care Global Charter.
- The Global Product Strategy incorporates important related initiatives, including:
 - ICCA Global Chemicals Management Policy,
 - Long-Range Research Initiative (LRI),
 - High Production Volume chemical testing program (HPV),
 - regional initiatives and activities.

