## Global Chemical Management:

- From a civil society's perspective of view

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## REACH









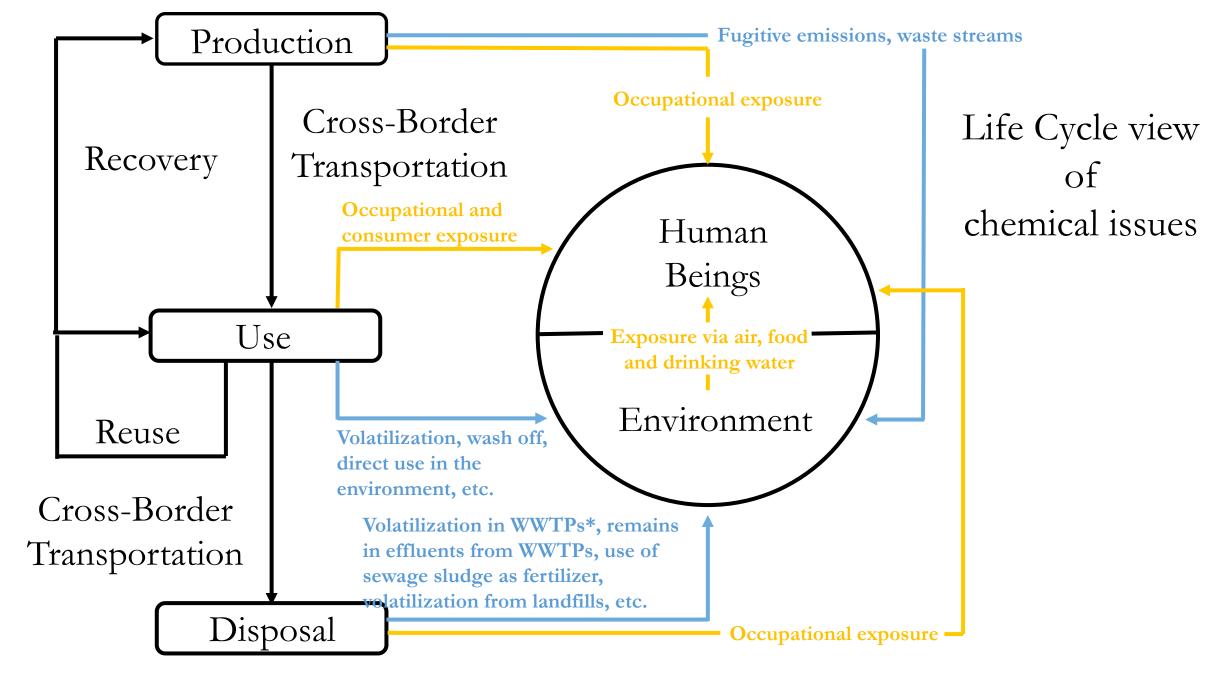
# 2020 Goal: Sound Management of Chemicals and Wastes



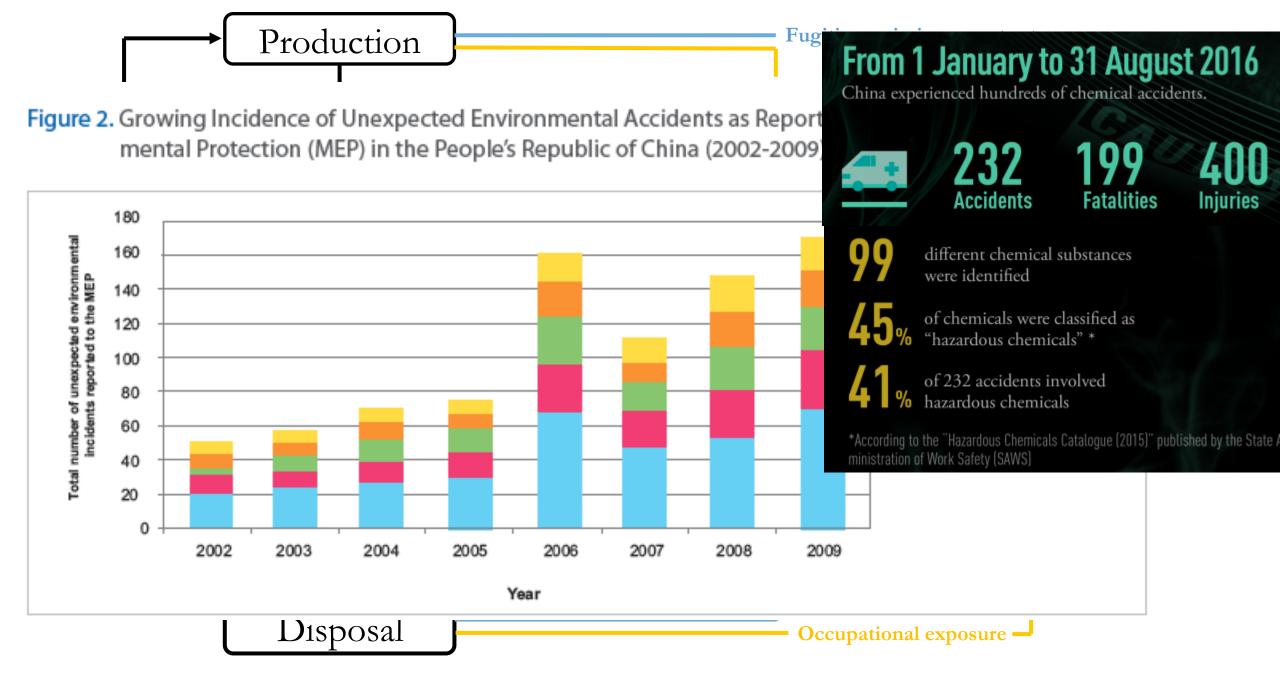
- 2015 UN Sustainable Development Summit: 17 SDGs
- SDG 12.4 "By 2020, achieve the environmentally sound management of chemicals and all wastes throughout their LIFE CYCLE, in accordance with AGREED INTERNATIONAL FRAMEWORKS, and significantly reduce their release to air, water and soil in order to minimize their adverse impacts on human health and the environment
- 2012 Rio+20 Summit: Reaffirmed



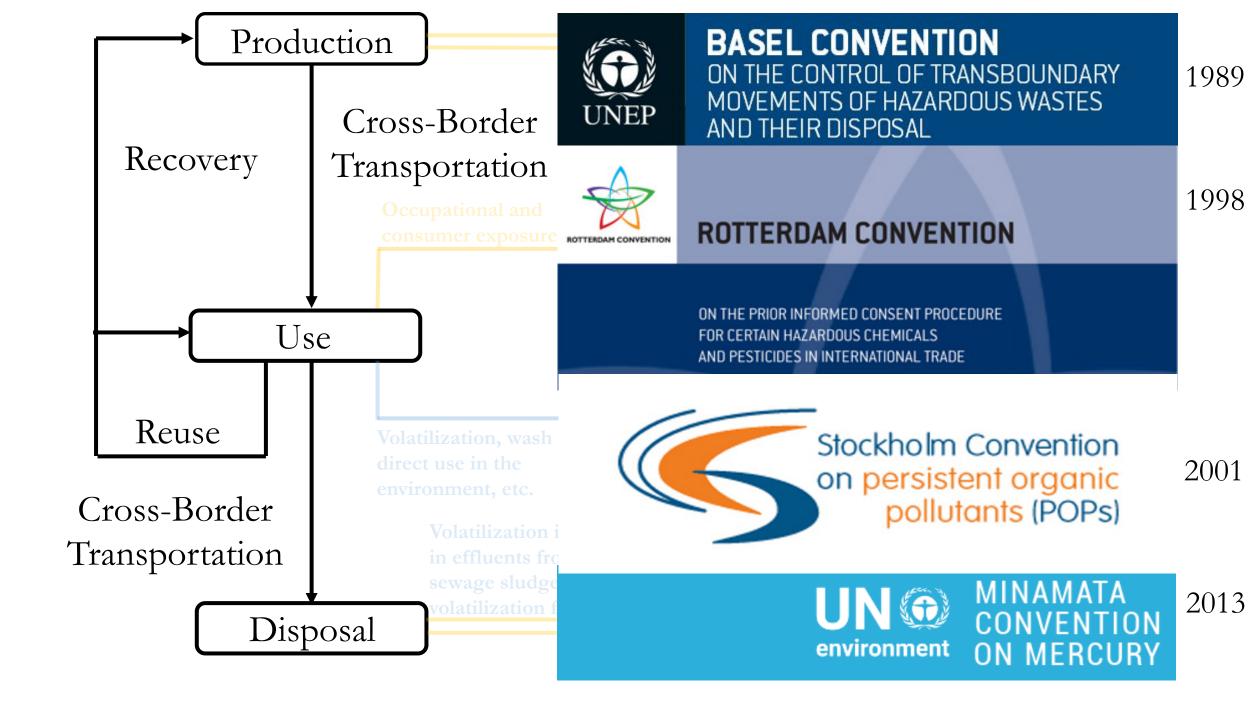
- 1992 UN Earth Summit- Agenda 21 Chapter 19 laid out the plan to action to ensure the environmentally sound management of toxic chemicals

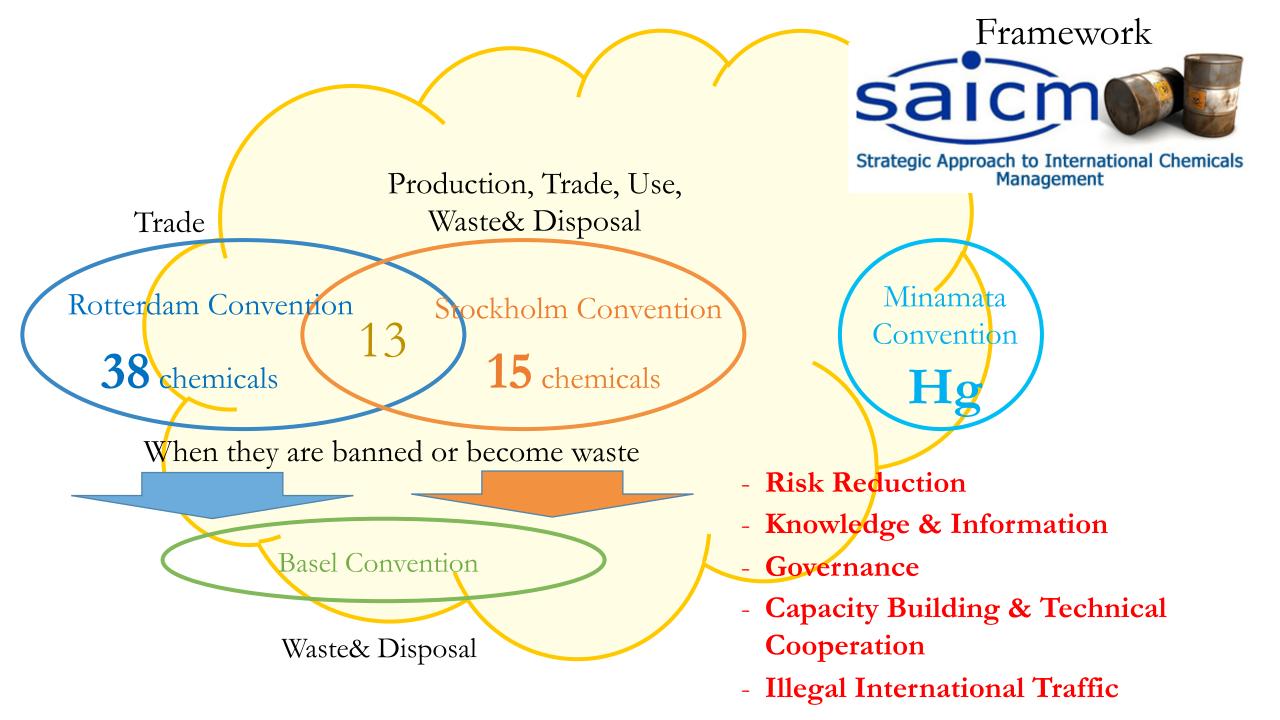


(Adjusted based on OECD 2013 Synthesis paper on per- and polyfluorinated chemicals (PFCs) )



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### Beyond 2020



2050 Vision

Policy Principle

Objectives & Milestones

Implementation

Governance

High Level Political Commitment

- Legally binding elements?

2030 Goal/milestone?

**-2020 Goal** 

- Extended producer responsibility?

- Private sector contribution?



## Areas for Improvement 1 – Emerging Policy Issues (EPIs)

#### SAICM - Object Independent Evaluation 2006-2015 (draft)

• Across all stakeholders, there was a consensus that a major strength and uniqueness of SAICM has been the identification and actions taken on the emerging policy issues.

alternatives and technologies;



## Areas for Improvement 1 – Emerging Policy Issues: Identification & listing

• Criteria to be listed?

• Procedure: Easy & transparent way to get them proposed and assessed in a timely manner – once evidence & concerns are raised in gigantic amount the publications

• "Adaptive management regime that is <u>flexible</u> and <u>adaptive</u> to new and emerging challenges as they arise, as the science and knowledge becomes apparent",

- Brominated flame retardants



## Areas for Improvement 2– Emerging Policy Issues: Information & Action

- SAICM Overarching Policy Strategy Objectives:
- B. Knowledge & Information:
- To accelerate the pace of scientific research on identifying and assessing the effects of chemicals on human beings and the environment, including emerging issues ...;
- To ensure that knowledge and information ... are sufficient to enable chemicals to be adequately assessed and managed....
- <u>Manufacturers</u>, <u>importers and formulators</u> should assess data and provide adequate and reliable information to users.
- Underlining the importance of <u>manufacturers</u> of persistent organic pollutants taking responsibility ... for providing information to users, Governments and the public on the hazardous properties of those chemicals, ("Stockholm Convention")
- Information on chemicals relating to the health and safety of humans and the environment should not be regarded as confidential (when made available, protected);



## Areas for Improvement 2– Emerging Policy Issues: Information & Action

- "Concern on the relationship between confidential business information and health and safety information influence governments' ability to innovate and transition to alternative technologies"
  - A number of substances registered in national/regional inventories have been claimed as confidential business information with **no CAS number or molecular structure** 
    - revealed. e.g. The PMN section oRisk identification ventory contains 312 substances
    - with "fluoro" in their names (e.g., P120406 as "fluoroalkyl sulphonamide derivative"
  - lack of information on molecular RisktAssessments, and/or commercial sources
  - not reflect during what time Risk management how much of a PFAS has been produced and used for what purposes.
  - Information on <u>alternatives</u> is also missing.



# • ICCM mandate: call for appropriate action on emerging policy issues as they arise and to forge consensus on priorities for cooperative action.

 Different mandate on each EPI, but mainly focusing on information collection, no real action in curb and pollution

## Areas for Improvement 2– Emerging Policy Issues: Information & Action

Table 12: degree of success in incorporating the SAICM emerging policy issues and other issues of concern in your activities

|  | / CI y     | Some   |
|--|------------|--------|
|  | successful | succes |
| lead in paint  | 27%        |        |
| chemicals in products  | 14%        |        |
| nanotechnology   | 18%        |        |
| HSLEEP   | 12%        |        |
| Endocrine disrupting<br>chemicals  | 24%        |        |
| Environmentally persistent<br>pharmaceutical pollutants<br>Perflorinated chemcials and | 8%         |        |
| the tranistion to safer<br>alternatives<br>Highly hazardous                            | 11%        |        |
| pesticides   | 22%        |        |

| very<br>successful | some<br>success | little<br>success | unsuccessful | don't<br>know |
|--------------------|-----------------|-------------------|--------------|---------------|
| 27%                | 29%             | 5%                | 6%           | 34%           |
| 14%                | 38%             | 13%               | 7%           | 28%           |
| 18%                | 19%             | 14%               | 10%          | 38%           |
| 12%                | 20%             | 15%               | 11%          | 41%           |
| 24%                | 22%             | 12%               | 9%           | 32%           |
| 8%                 | 22%             | 13%               | 10%          | 46%           |
| 11%                | 27%             | 10%               | 8%           | 44%           |
| 22%                | 26%             | 10%               | 6%           | 36%           |
|                    |                 |                   |              |               |



## Areas for Improvement 3 – Multistakeholder engagement

#### - Private Sector

- Unique: inclusive multi-stakeholder, multisector voluntary global policy framework on sound chemicals management. It has provided the space and opportunity for government and non-government actors alike, to discuss and deliberate on the management of chemicals throughout their life cycle in an atmosphere of trust and cooperation. from all stakeholder groups, including civil society and industry stakeholders.
- Midstream & downstream users of chemicals, including SMEs, important but missing! who is speaking on behalf of the whole "industry" sector?
- Engagement from private sector: varied level on each EPIs, but very limited in many cases
- To help decision makers understand your business, your needs, your achievement to establish enabling environment for you
- Through UK Chemical Stakeholder Forum or get engaged directly?



#### Scientists from multi-disciplines

- Provide scientific knowledge, analysis & guidance
- Early warning system
- Detailed science-based evaluation
- Propose solution & options for management
- Design implementation plan
- Monitor & Evaluate progress
- Develop tools, guidance
- Training and capacity Building

• Identification of new emerging Policy Issues (EPIs) & other Issues of Concern

• Evaluation: information + method

Management and solution options

• Implementation

• Monitor & evaluation

Capacity building

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#### Policy decision makers

- Need contribution from scientists
- Find the right scientists whenever needed (database)
- Understand the scientists

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#### Scientists from multi-disciplines

- Capacity (time, funding...)
- Awareness, Confidence: understand their key role
- Incentives: Evaluation system....
- Capacity Building: understand the decision making system, the language of decision makers (e.g. UNEA-plastic), how to play their key role
- Opportunities: missing opportunities among many processes
- Free from Conflict of Interest & Political Interference

#### Policy decision makers

- Need contribution from scientists
- Find the right scientists whenever needed (database)
- Understand the scientists
  Persistent Organic Pollutants
  Review Committee (POPRC)





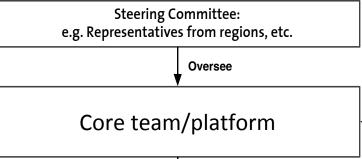




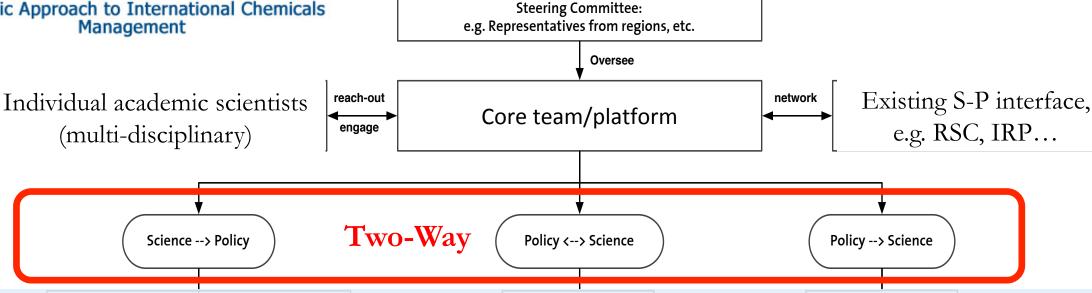
Science and Policy for People and Nature











- to further mobilize and better involve scientists (particularly academia) into the science-based decision making process, an important group which is unfortunately not only normally under-represented, but sometimes also forgotten even in discussions on the importance of multi-stakeholder participation. A better mobilization will facilitate better science-policy dialogue.
- Decision makers take more ownership of the good scientific outputs from science-policy interface, to make more timely and well-informed decisions.

Potential working area

xamples or IPCP's activities



Steering Committee: e.g. Representatives from regions, etc.

- Conflict of interest
- Science based Free from political interference
- Objectivity and professionalism of members
- Transparency procedure
- Social-Economic body: its usefulness depends on the aim and mandate of this body
- if established, does **NOT** have a role on identification of hazardous chemicals, risk assessment, and subsequent listing of chemicals for priority actions, similar as listing of chemicals under Stockholm Convention or identification of SVHC in EU.



Management

# Summary: Global Chemical Management beyond 2020

#### Policy decision makers

- Identification of new emerging Policy Issues (EPIs) & other Issues of Concern
- Evaluation: information + method
- Management and solution options
- Implementation

**ACTIONS!** 

- Monitor & evaluation
- Capacity building

#### Scientists from multi-disciplines

- Provide scientific evidence & knowledge
- Early warning system
- Detailed evaluation
- Propose solution & options for management
- Design implementation plan
- Monitor & Evaluate progress
- Develop tools, guidance
- Training and capacity Building

Science - Policy

Interface

Enabling environment + guidance to incentivize non-regrettable, green & sustainable innovation