## Global Chemical Management: Implications and opportunities for the UK & Coating Industry

- From a civil society's perspective of view

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> BCF Annual Conference Oxford, 3 May 2018



# REACH





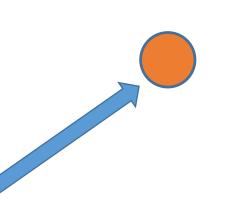




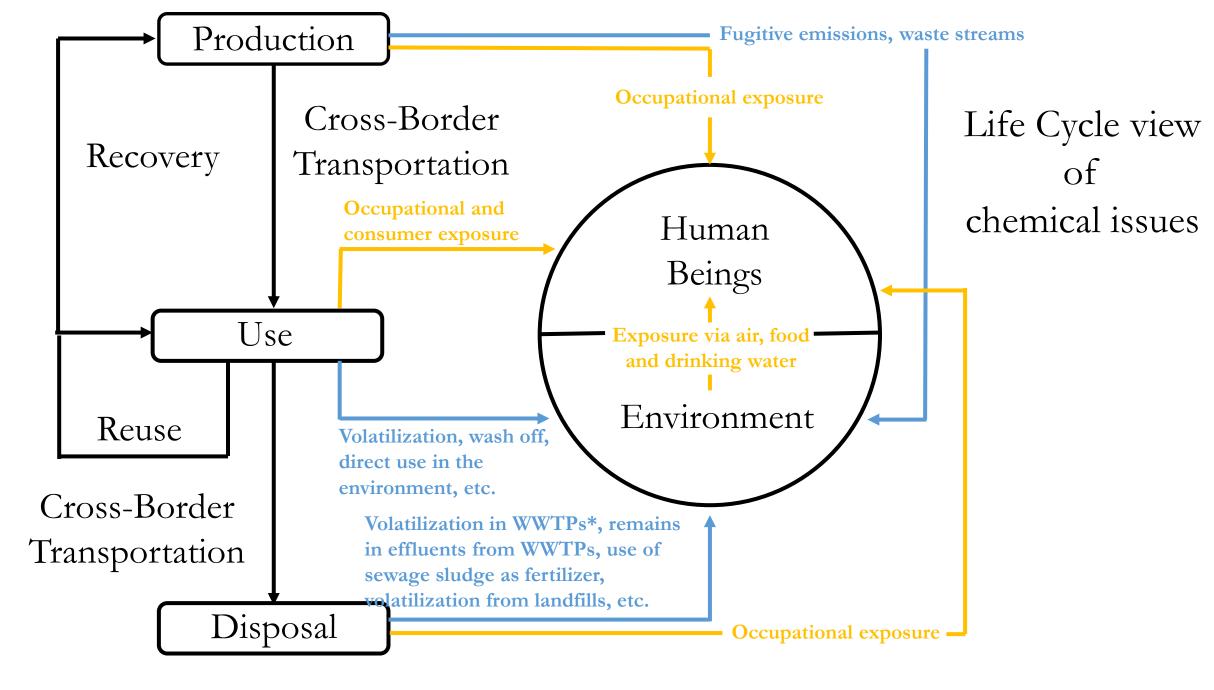
# 2020 Goal: Sound Management of Chemicals and Wastes



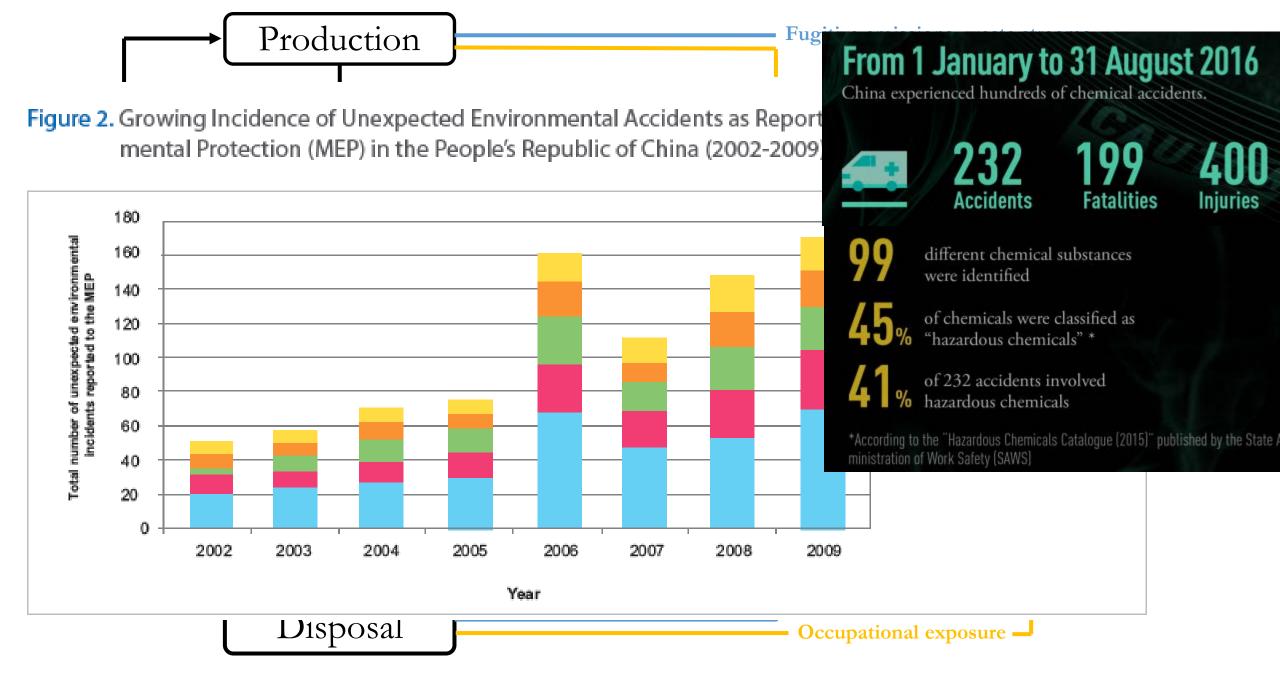
- 2015 UN Sustainable Development Summit: 17 SDGs business implication
  - SDG 12.4 "By 2020, achieve the environmentally sound management of chemicals and all wastes throughout their LIFE CYCLE, in accordance with AGREED INTERNATIONAL FRAMEWORKS, and significantly reduce their release to air, water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



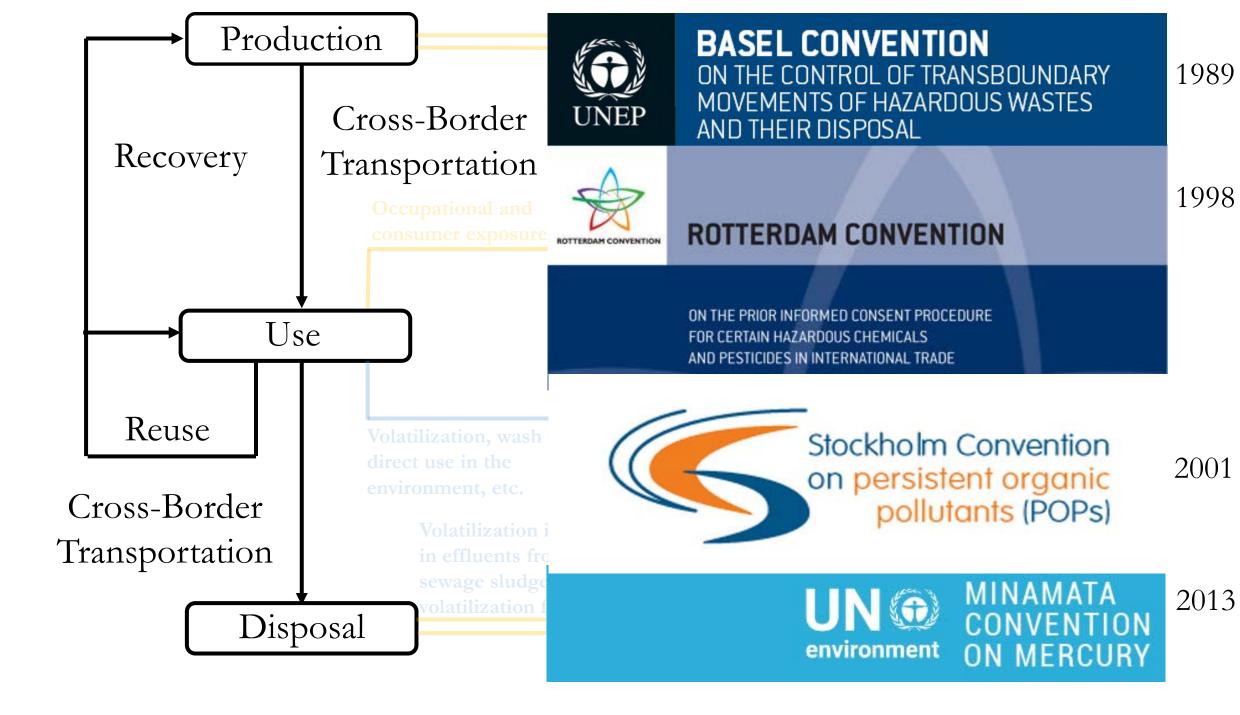
- 2002 SD Summit Johannesburg Plan of Implementation defined
- 1992 UN Earth Summit- Agenda 21 Chapter 19 laid out the plan to action to ensure the environmentally sound management of toxic chemicals

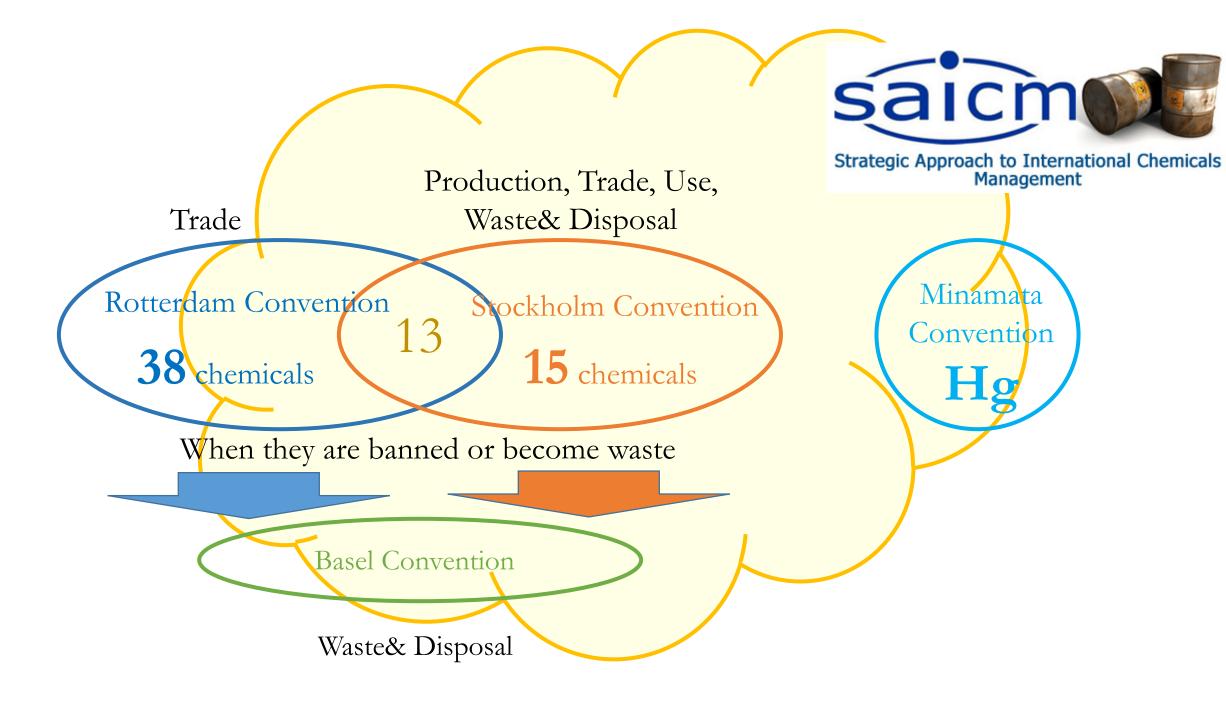


(Adjusted based on OECD 2013 Synthesis paper on per- and polyfluorinated chemicals (PFCs) )



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### Emerging Policy Issues

- Lead in paint (IPPIC)
- Chemicals in products
- Hazardous substance within the life cycle of electrical and electronic products
- Nanotechnology and manufactured nanomaterials
- Endocrine-disrupting chemicals
- Environmentally persistent pharmaceutical pollutants
- Perfluorinated chemicals and the transition to safer alternatives
- Highly hazardous pesticides

#### Beyond 2020

- Multi sector & multi stakeholder involvement in discussion – midstream & downstream user important!!!
- Intersessional meeting 1 & 2: NO IPPIC!
- To help decision makers understand your industry?

• Through CSF???

2030 Goal?

-2020 Goal - - -



2050 Vision

Policy Principle

Objectives & Milestones

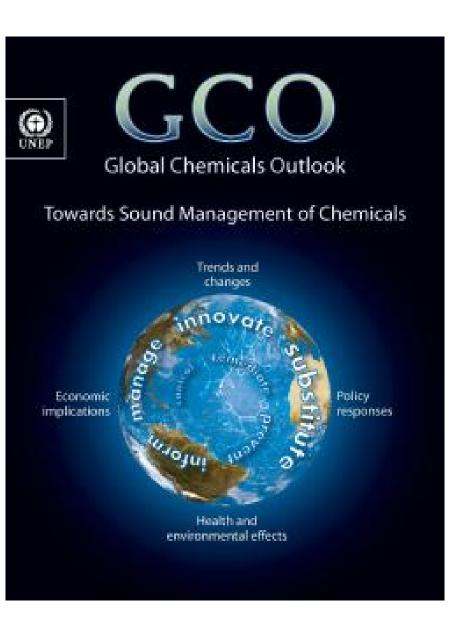
Implementation Governance

High Level Political Commitment

- Legally binding elements?

- Extended producer responsibility?
- Private sector contribution?

#### Global Chemical Outlook - II



Issues with Emerging Evidence Indicates a Risk to Human & Environment:

X - Lead: paints

EU

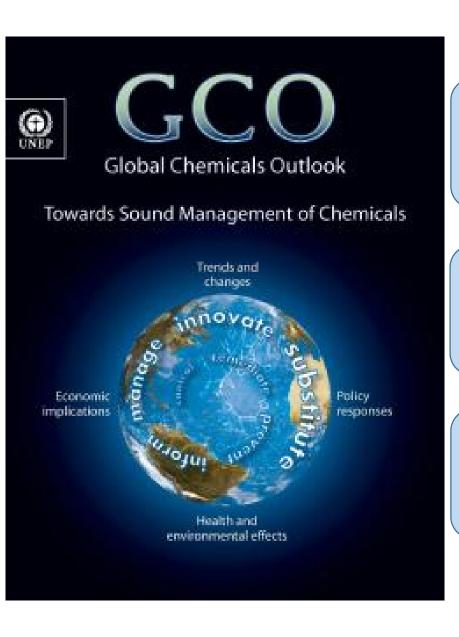
- X Organotins: marine anti-biofouling agents
- Chlorinated Paraffins: paints
- X Benzotriazole UV stabilisers: coatings
- x Cadmium: coatings

(EU: Restricts the placing on the market of paints)

- Trichloroethylene (TCE): paints, coating
- X Polycyclic aromatic hydrocarbons (PAHs): paints
- X Neonicotinoids
- Microbeads/microplastics
- X Bisphenols
- Y Phthalates

-

#### Global Chemical Outlook - II



Issues with Emerging Evidence Indicates a Risk to

EU leadership & competitive advantage in global trade – Brexit v.s. REACH?

X - Benzotriazole UV stabilisers: coatings

Your alternatives?

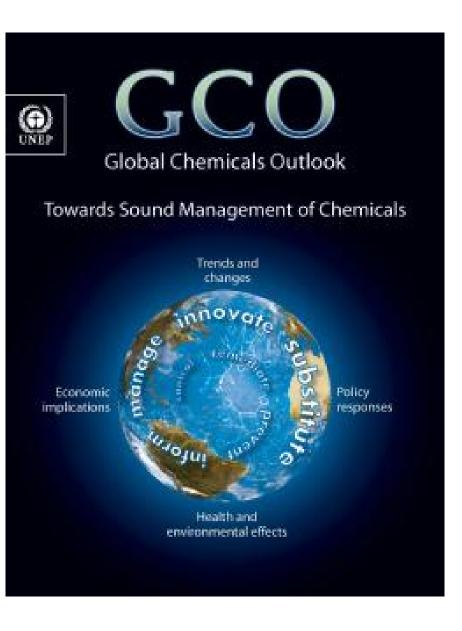
- Trichloroethylene (TCE): paints, coating

Your lessons & experience in phasing out and substitution?

- x Displicitois
- **Y** Phthalates

- ...

#### Global Chemical Outlook - II



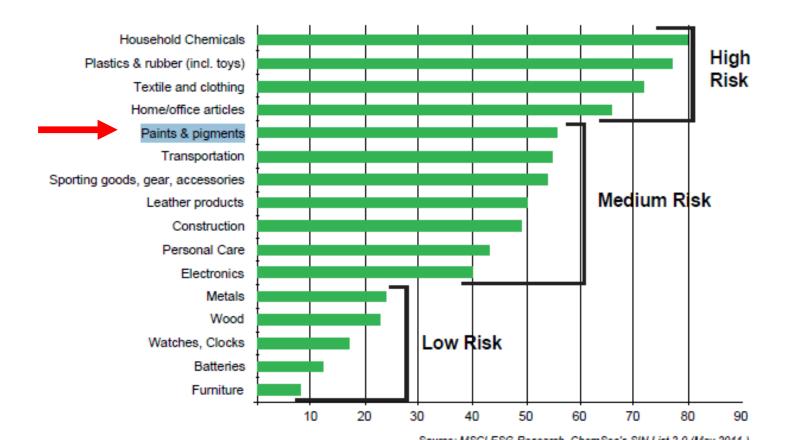
- Enabling environment and drivers of change: important policy, economic & fiscal instruments particularly for middle stream & downstream users?
- Identification and Assessment of Safer Chemical and Non-chemical Alternatives
- Research, technology innovation, and financing
- Emerging actors and governance issues

#### Proactive Innovators

#### Regulation Resisters



# of potential SVHCs in each product category



## Stay far ahead of regulation

**Proposals for** 

**Candidate lists** 

Candidate list
(Substances of very high concern)

REACH Annex XIV
Authorization/Phase-out
list

Chemicals meet criteria to be phased out & substituted

- Avoid regrettable alternatives



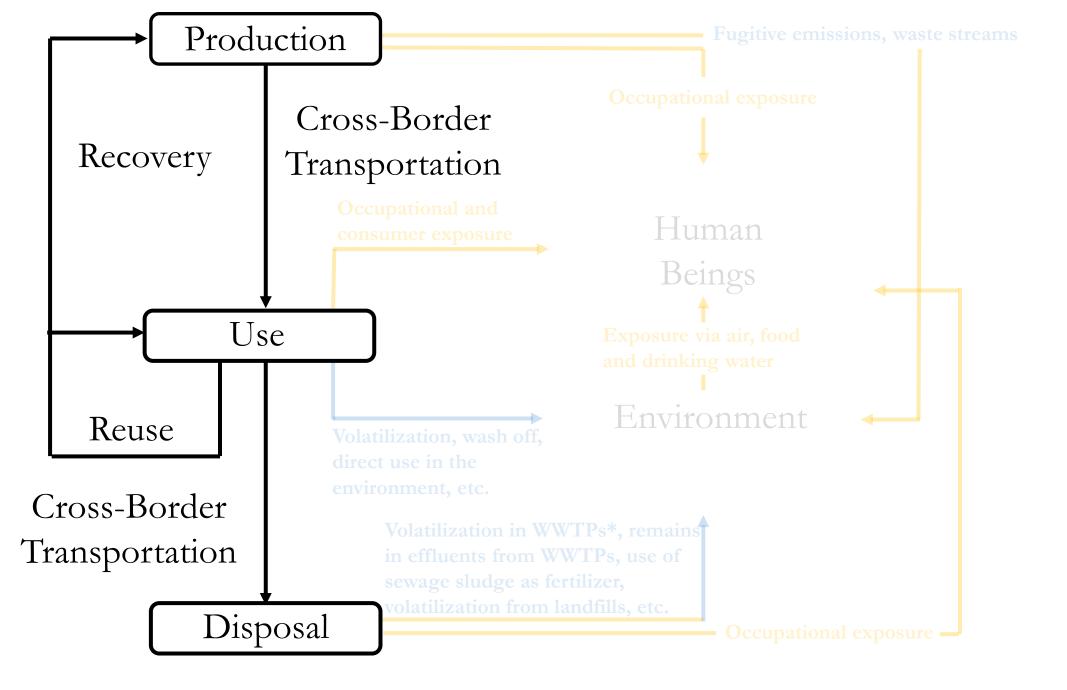
ECHA: "The vast majority of the substances in the SIN list are already (or in the process of being) regulated or under scrutiny by authorities, suggesting that SIN list is a valuable tool for industry to predict action by authorities"

#### **SEARCH THE SIN LIST**

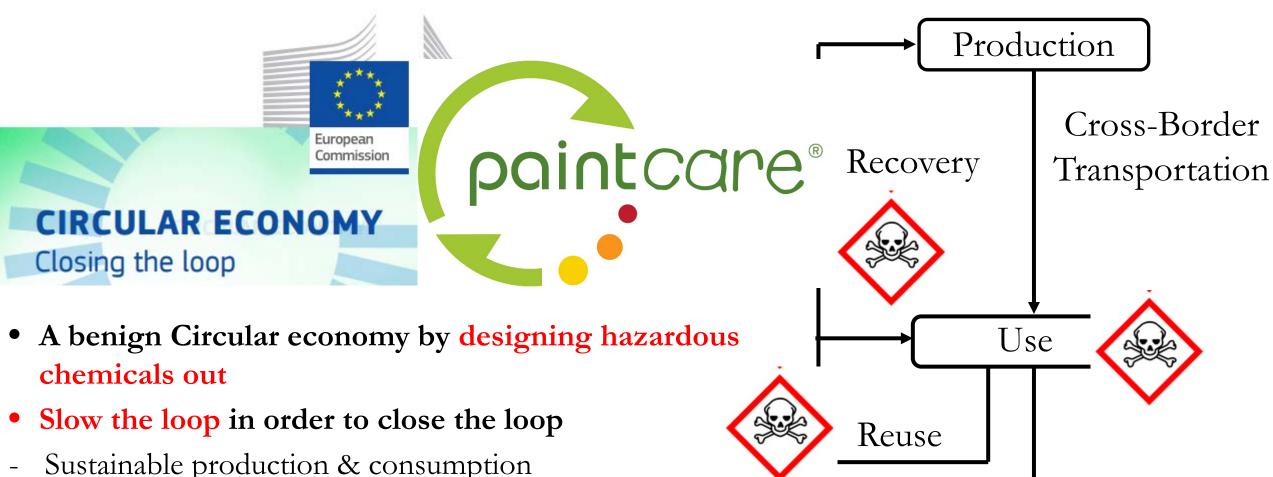
Your filtered results gave 913 hits

Search your chemicals and we can identify if they are on the SIN List. If not, the SINimilarity tool can tell you if they are similar to the SIN listed chemicals 2018.04.19

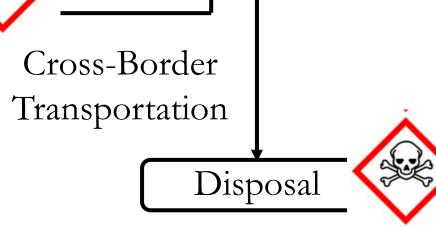
Enter the CAS/EC Number or Chemical name		SEARCH	l
FIL	TER the SIN LIST 🔺		S R
Health & Environmental concerns	Uses	REACH Status	Appearance date o
	•	¥	•
Production volume	SIN Groups	Producers	
	▼	¥	▼ FILTER



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



- Sustainable production & consumption
- New business model, e.g. paint lease?
- Difficulty and complexity of recycling practice for customers?









#### Common position with regard to the authorisation of substances of very high concern within REACH

The Confederation of British Industry, the Chemical Industries Association and Greenpeace share the common position that substances requiring an authorisation within REACH according to Title VII, Article 54 of the Commission's proposal (i.e. substances of very high concern) should be replaced with less hazardous alternatives wherever and whenever practicable.

- Authorization & substitution <u>has the potential to drive innovation to the benefit of business, human health and the environment</u>.
- We therefore <u>urge the Minister to press for substitution to be incorporated into REACH in such a way that the authorisation procedure is effective, but flexible, in progressively phasing-out substances of very high concern.</u>

Shank you