



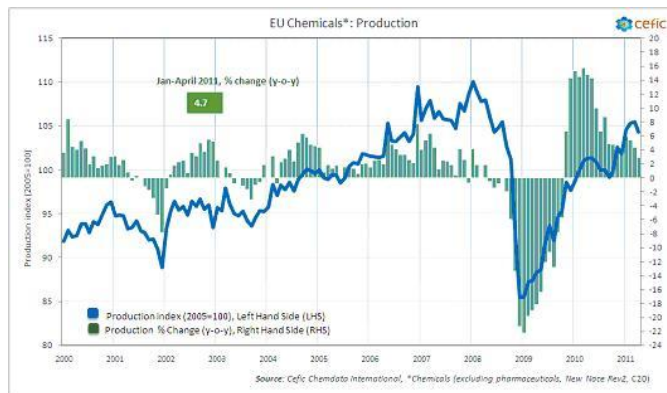
## **4<sup>th</sup> National Conference on REACH**

**16 December 2013  
Rome**

**Cristina de Avila  
European Commission  
DG Environment**

# **Making chemicals safer: Towards 2020**

# Chemicals in the EU – a large sector



- 3rd manufacturing sector in EU
- 25 000 companies
- 1,7 million employees

- EU is losing world-wide share but still growing
- The EU has limited natural resources
- Innovation is key to continued growth, together with other key drivers
- In 2010 world chemical turn-over values at € 2 353 Billion

Every year the value of € 2 353 Billion of chemicals enters the economy, that is the 'technosphere' and either:

- exits to the environment (incl. humans)
- stays or degrades in the 'technosphere'



European  
Commission

# Chemicals lifecycle



Environment

# REACH Review conclusions:



**REACH functions well and delivers on all objectives that at present can be assessed**

**Some needs for adjustments but no changes to legal text**

**Need to reduce impact on SMEs**

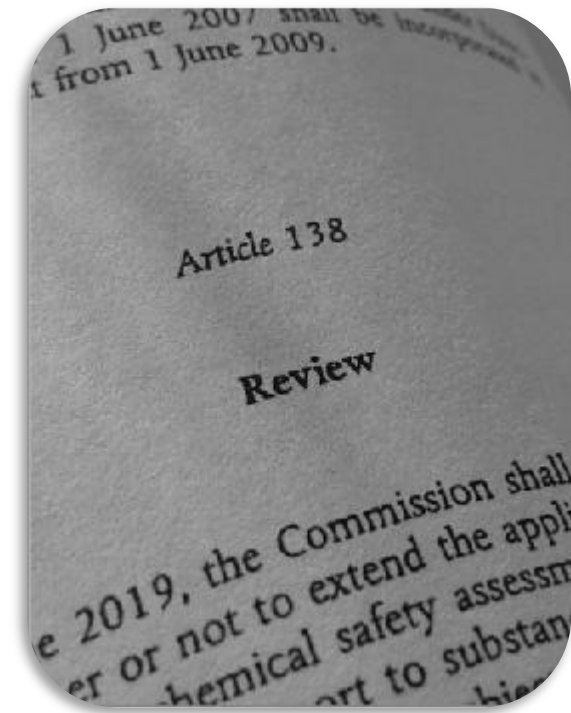
**Opportunities for improvement by optimizing implementation**

**Commitment of all actors involved needed**

# REACH review conclusions

## HEALTH and ENVIRONMENT

- **Too early to quantify benefits but positive initial trend for substances already registered:**
  - More and better information available
  - Better targeted risk management measures
  - Significant decrease in the risks
- **Increased moves towards substitution of SVHC**



# REACH Review – next steps

- **2014:**  
**Endocrine disruptors**  
**Adaptation of REACH Annexes to nanomaterials**
- **2015:**  
**Requirements for 1-10 tonnes substances and/or polymers**  
  
**Follow-up report on impact of REACH on innovation**





# 7th Environmental Action Plan (EAP)

- **REACH, CLP, biocides and PPP regulations: baseline protection**
- **Uncertainty about**
  - **Endocrine disruptors**
  - **Combined effects of chemicals**
  - **Chemicals in products**
  - **Nanomaterials**



# 7th Environmental Action Plan (EAP)

**Therefore:**

- **Develop hazard-based ED criteria**
- **Develop *"comprehensive approach to minimising exposure to hazardous substances, including chemicals in products"***
- **Review definition nanomaterials in 2014**
- **Increase chemicals knowledge base -> predictability -> sustainable solutions**

# 7th Environmental Action Plan (EAP)

## Ultimate goal:

**-Ensure that long-term actions towards a non-toxic environment will be identified**

## In particular:

**- By 2020 all relevant Substances of Very High Concern on Candidate List**

# The SVHC Roadmap



**ECHA**  
EUROPEAN CHEMICALS AGENCY

Search the ECHA Website

Advanced search

About Us | Regulations | Addressing Chemicals of Concern | Information on Chemicals | Chemicals in our Life | Support

ECHA > Addressing Chemicals of Concern > Authorisation > Substances of very high concern  
Notification > Candidate List of Substances of Very High Concern for Authorisation > Candidate List table

**Candidate List of Substances of Very High Concern for Authorisation**  
(published in accordance with Article 59(10) of the REACH Regulation)

**Notes:**

**Authentic version:** Only the Candidate List published on this website is deemed authentic. Companies may have immediate legal obligations following the inclusion of a substance in the Candidate List on this website.

**EC number, CAS number:** The EC number includes both anhydrous and hydrated forms of a substance and consequently the entries cover both these forms. The CAS number included may be for the anhydrous form only, and therefore the CAS number shown does not always describe the entry accurately.

**IUCLID 5 Substance Datasets:** These are partly pre-filled substance data sets in IUCLID 5 format. They are provided as a support for importers or producers of articles preparing notifications for substances in articles. The notifying company remains, however, solely responsible for the appropriateness and correctness of the information submitted in the notification.

**Reason for Inclusion:** Superscript figures denote information on conditions applicable to the classification of the substance. This information can be accessed through the "Details" button and is available in the sub-menu "Substance Details" in field "Other remarks".

**Candidate List introduction**

**Number of substances on the Candidate List: 144 (last updated: 20 June 2013)**

Showing 1 - 20 of 144 results. Items per Page 20 Page 1 of 8 First Previous Next Last

Substance Name	EC Number	CAS Number	Date of inclusion	Reason for inclusion	Decision number	IUCLID 5 Substance Dataset	
Cadmium	231-152-8	7440-43-9	2013/06/20	Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (Article 57 f)	ED/69/2013		<a href="#">Details</a>
Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	2013/06/20	Toxic for reproduction (Article 57 c); PBT (Article 57 d)	ED/69/2013		<a href="#">Details</a>
4-Nonylphenol, branched and linear, ethoxylated substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated (including UVCE, and	-	-	2013/06/20	Equivalent level of concern having probable serious effects to	ED/69/2013		<a href="#">Details</a>

## Vice-President Tajani and Commissioner Potočnik commitments:

- Candidate List of **136** SVHC by end of 2012
- **All relevant currently known SVHCs** included in Candidate List by **2020**
  - (key is to define "relevant")

# SVHC Roadmap

- **Builds on Risk Management Options (RMO) analysis framework**
- **Commission, ECHA and Member States to work together**
- **Broad support from Environment and Competitiveness Council**

# SVHC Roadmap Implementation

## Main aspects:

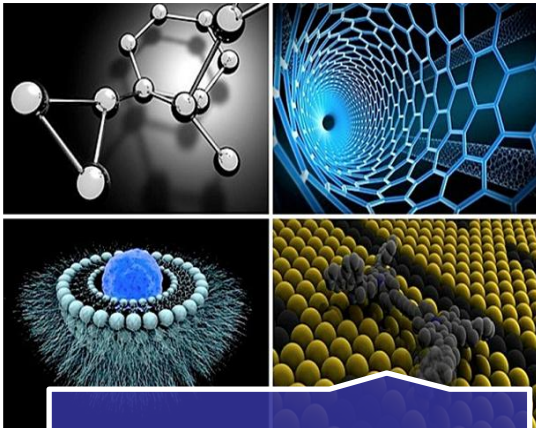
- **How to screen and analyse categories of SVHCs (CMRs, PBTs, substances of equivalent concern)**
- **Role of RMO analysis in choosing best option**
- **How to integrate socio-economic elements in decision making**
- **Workload sharing**
- **Progress monitoring, reporting and communication**

# Endocrine disruptors

- *Hazard-based scientific criteria*
- *Applicable across all relevant legislation*
- *Impact assessment 2014*
- *New strategy to replace 1999 strategy*

## Conclusions

- **REACH key to achieving 7th EAP objectives**
- **Future areas of regulation**



*Nanomaterials*



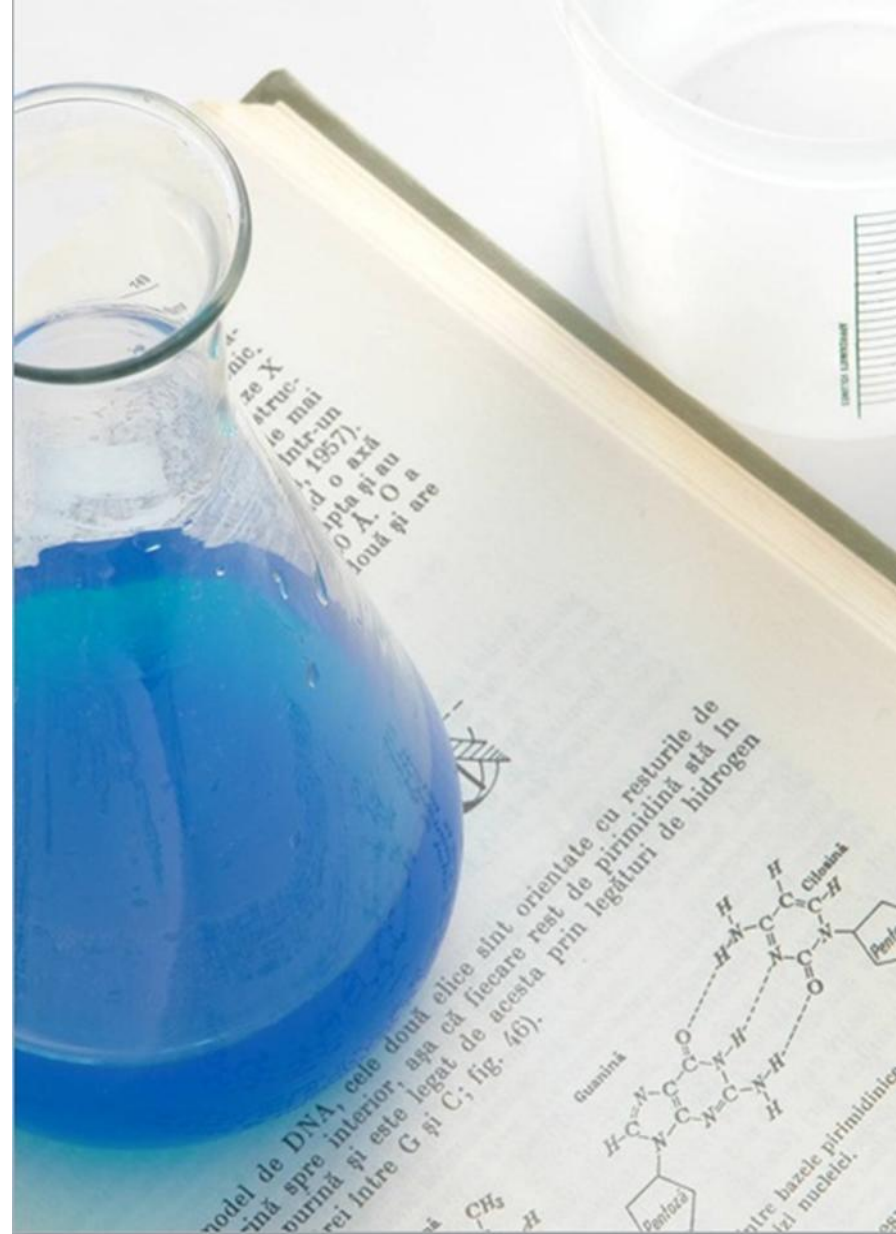
*Endocrine  
disruptors*



*Cocktail effects*

## For further information

- [ec.europa.eu/environment/chemicals/reach](https://ec.europa.eu/environment/chemicals/reach)
- [ec.europa.eu/enterprise/reach](https://ec.europa.eu/enterprise/reach)
- [echa.europa.eu](https://echa.europa.eu)



This presentation does not necessarily reflect the official opinion of the Commission.