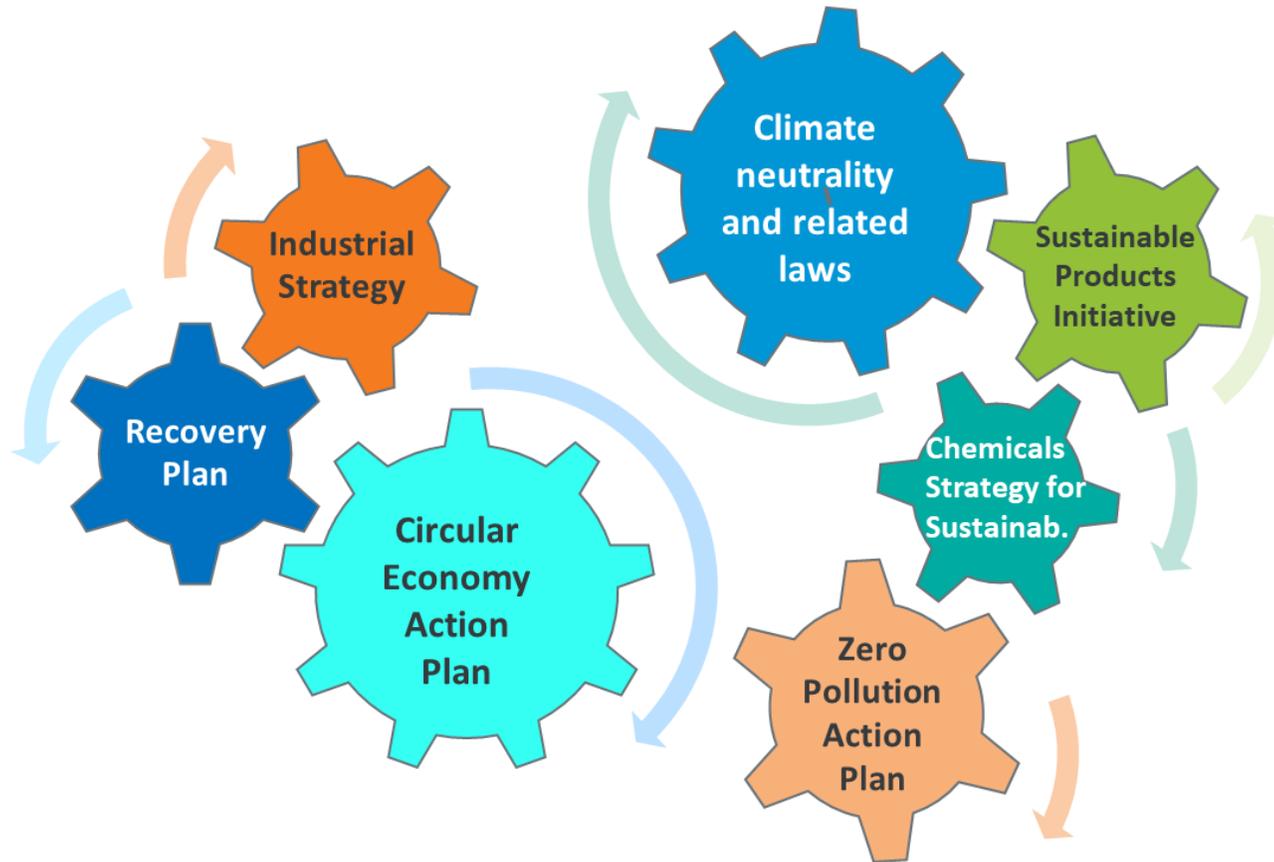


# The pinfa roadmap for Flame Retardants under the Chemicals Strategy for Sustainability

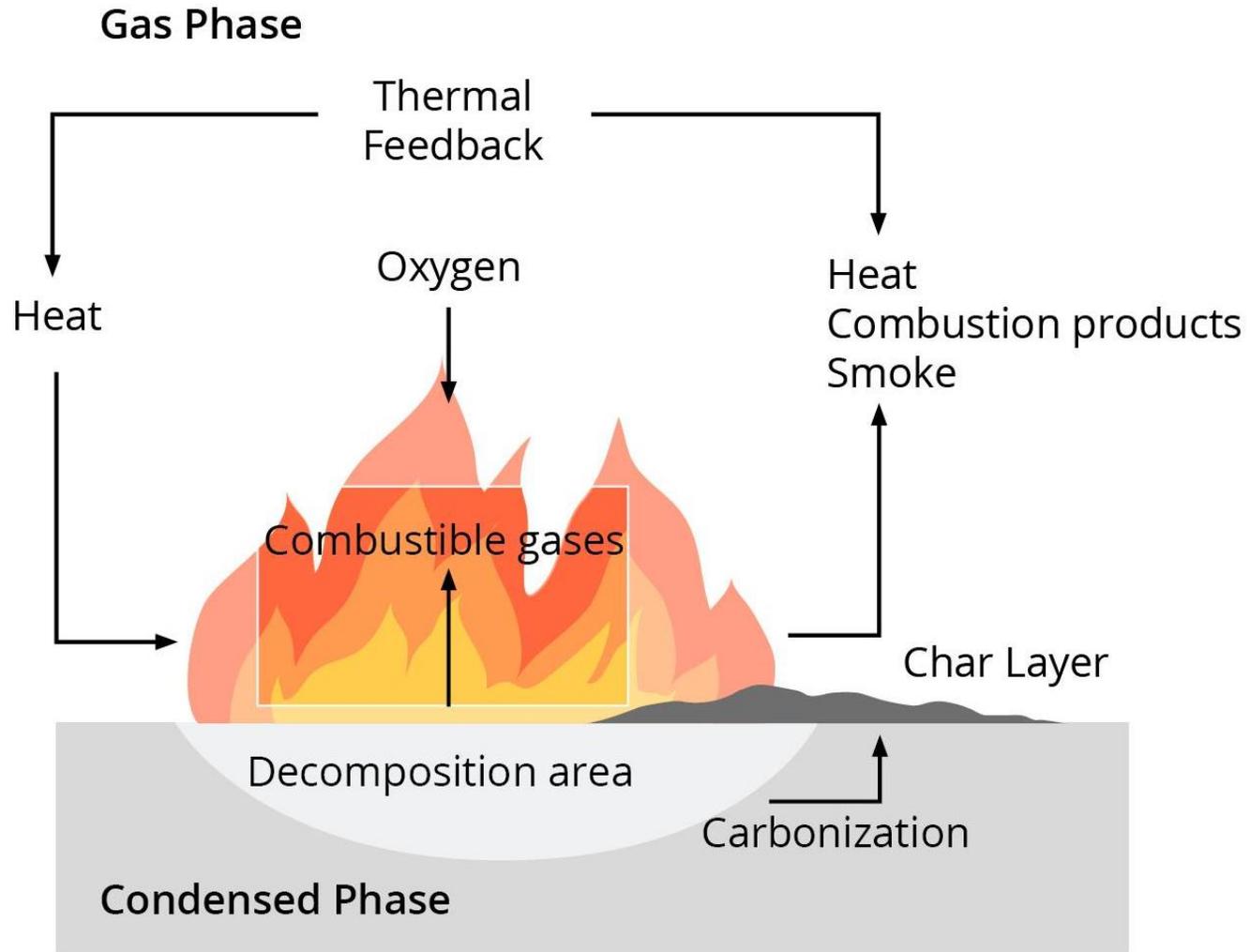
Adrian Beard



# The EU Chemicals Strategy for Sustainability



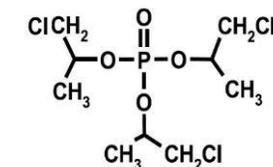
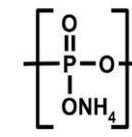
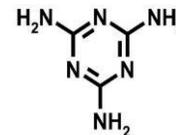
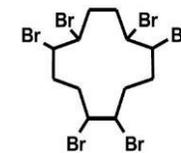
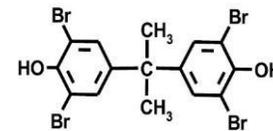
# Flame Retardants – what is special about them?



# Flame Retardants – what is special about them?

- Attention from environmental scientists and regulators since the late 1990ies: findings of BFRs in the environment
- Very diverse chemistry, environmental behaviour and (eco-)toxicological properties
- Regulatory action and restrictions
- Amongst chemicals receiving high attention: PFAS, bisphenol-A, phthalates (plasticisers)

Very different chemicals are used as “flame retardants” (FRs) and/or as “smoke suppressants”

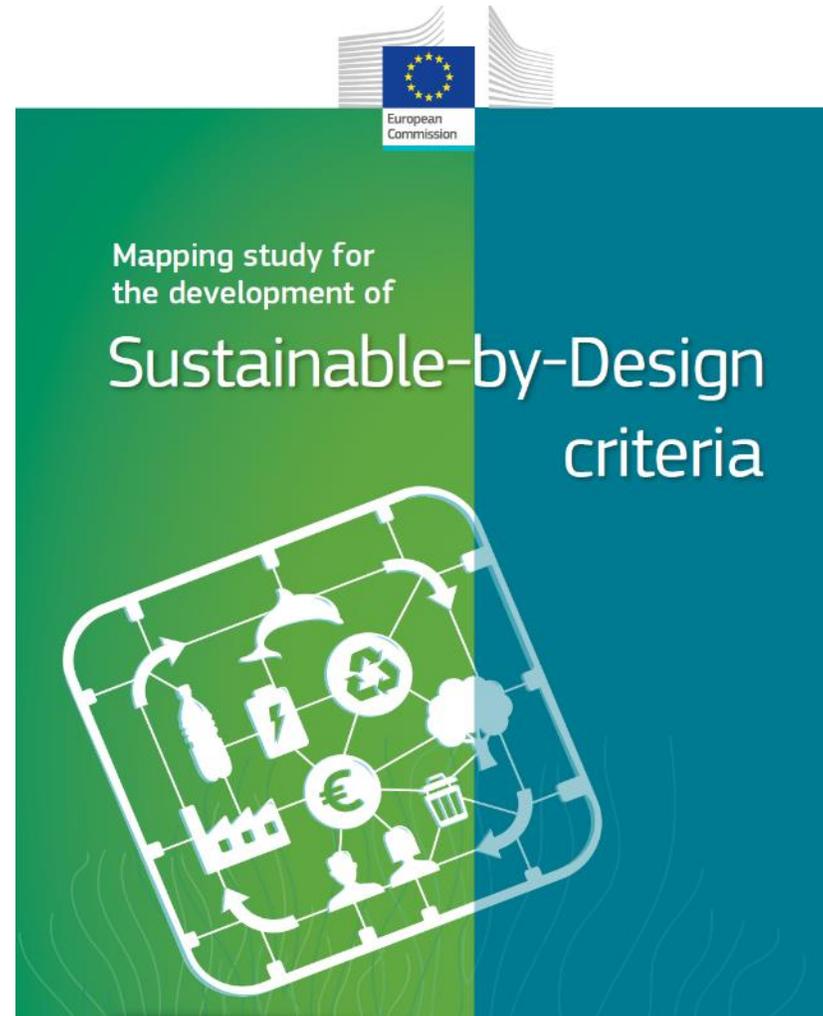


# In one word, what do you see as a key aspect of Safe and Sustainable by Design for fire safety?



Source: pinfa webinar on Safe and Sustainable by Design Flame Retardants, 2021-07-07

# New Concept: Safe and Sustainable by Design



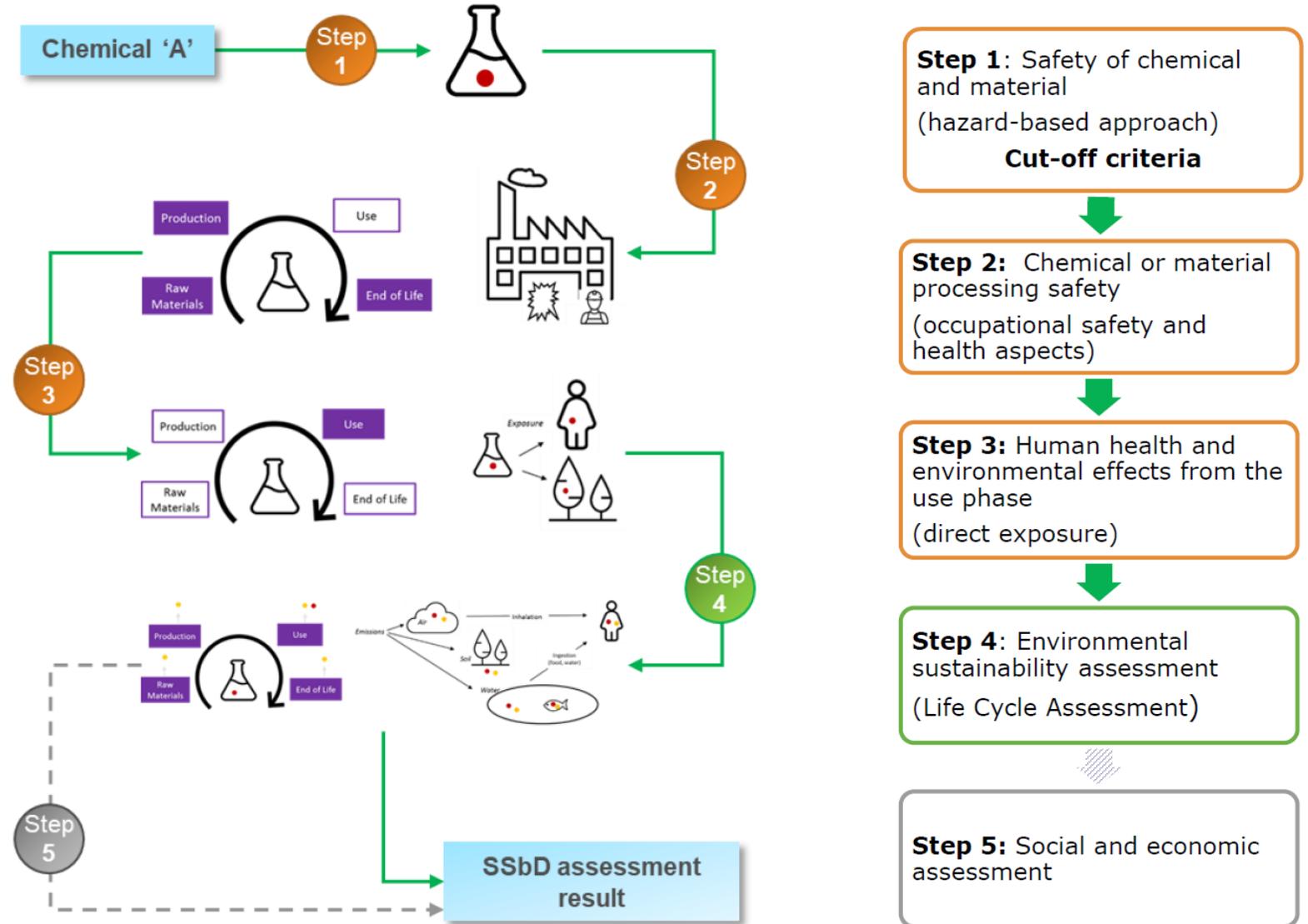
[Download](#)

See also: OECD Guidance on Key Considerations for the Identification and Selection of Safer Chemical Alternatives



# Safe and Sustainable by Design is taking shape

## SSbD assessment workflow



# EcoDesign Framework *Proposal*: SoC – Substances of Concern



Brussels, 30.3.2022  
COM(2022) 142 final

2022/0095 (COD)

Proposal for a

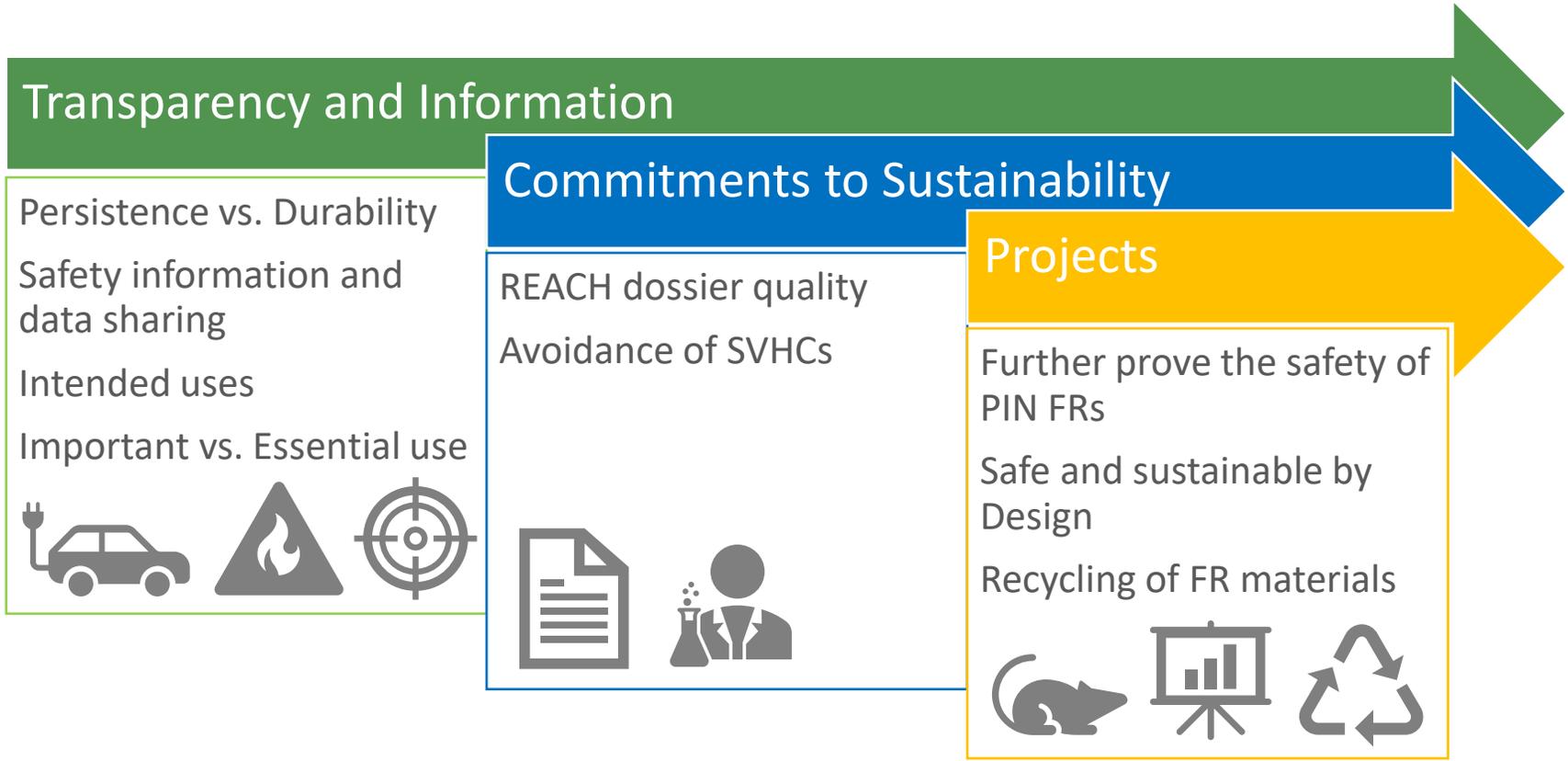
**REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL**

**establishing a framework for setting ecodesign requirements for sustainable products and repealing Directive 2009/125/EC**

- (28) ‘**substance of concern**’ means a substance that:
- (a) meets the criteria laid down in Article 57 and is identified in accordance with Article 59(1) of Regulation (EC) No 1907/2006; or
  - (b) is classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 in one of the following hazard classes or hazard categories:
    - carcinogenicity categories 1 and 2,
    - germ cell mutagenicity categories 1 and 2,
    - reproductive toxicity categories 1 and 2, [*to be added in the course of the legislative procedure once Regulation (EC) No 1272/2008 contains these hazard classes: Persistent, Bioaccumulative, Toxic (PBTs), very Persistent very Bioaccumulative (vPvBs); Persistent, Mobile and Toxic (PMT), very Persistent very Mobile (vPvM); Endocrine disruption*],
    - respiratory sensitisation category 1,
    - skin sensitisation category 1,
    - chronic hazard to the aquatic environment categories 1 to 4,
    - hazardous to the ozone layer,
    - specific target organ toxicity – repeated exposure categories 1 and 2,
    - specific target organ toxicity – single exposure categories 1 and 2; or
  - (c) negatively affects the re-use and recycling of materials in the product in which it is present;

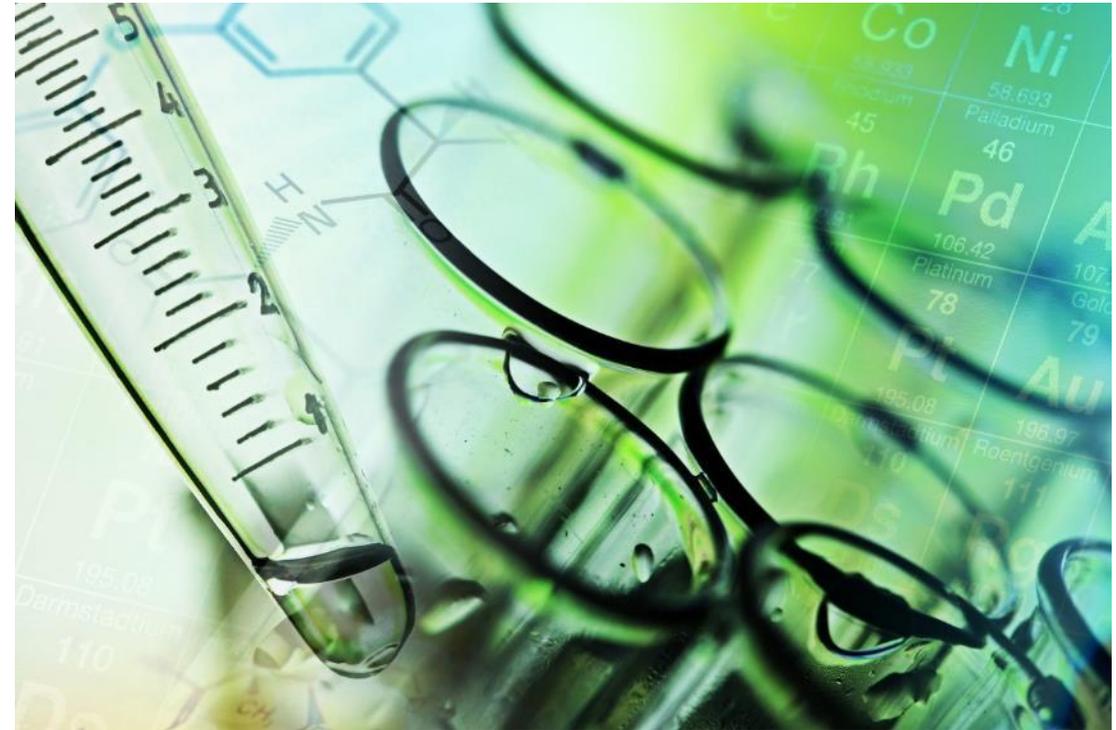


# pinfa CSS Roadmap in a nutshell



## Conclusion - the Chemical Strategy for Sustainability ...

- poses **opportunities**: promote innovation and market acceptance of more benign flame retardants
- poses **challenges**: industry needs to address and manage substances of concern
- needs to create a **level playing field** by putting equivalent demands on imported products and enforcement at national levels
- **pinfa** is actively contributing to the process and open to collaboration



Source: ©Shutterstock





2021 – 2025

# SCHNEIDER SUSTAINABILITY IMPACT

6 long-term commitments

11 + 1 targets for 2021 – 2025

## CLIMATE



- 1 Grow our **green revenues to 80%**
- 2 Deliver **800 million tons** of **saved and avoided CO<sub>2</sub> emissions** to our customers
- 3 Reduce **CO<sub>2</sub> emissions from top 1000 suppliers' operations** by 50%

## RESOURCES



- 4 Increase **green material content** in our products **to 50%**
- 5 100% of our primary and secondary **packaging** is **free from single-use plastic** and uses **recycled cardboard**

## TRUST



- 6 **100%** of our **strategic suppliers** provide **decent work** to their employees
- 7 Measure the **level of confidence** of our employees to report behaviors against our Principles of Trust

## EQUAL



- 8 Increase **gender diversity**, from **hiring to front-line managers** and **leadership teams (50/40/30)**
- 9 Provide **access to green electricity to 50 million people**

## GENERATIONS



- 10 **Create opportunities for the next generation** – 2X number of opportunities for interns, apprentices, and fresh graduate hires
- 11 **Train 1 million underprivileged people** in energy management

## LOCAL



- + 1 100% of Country and Zone Presidents define **3 local commitments** that impact their communities in line with our sustainability transformations



# Thank you.

## Contact:

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[pinfa@cefic.be](mailto:pinfa@cefic.be)

## About Cefic

Cefic, the European Chemical Industry Council, founded in 1972, is the voice of large, medium and small chemical companies across Europe, which provide 1.1 million jobs and account for 15% of world chemicals production. Cefic members form one of the most active networks of the business community, complemented by partnerships with industry associations representing various sectors in the value chain. A full list of our members is available on the Cefic website. Cefic is an active member of the International Council of Chemical Associations (ICCA), which represents chemical manufacturers and producers all over the world and seeks to strengthen existing cooperation with global organisations such as UNEP and the OECD to improve chemicals management worldwide

