

OCTOBER 2021



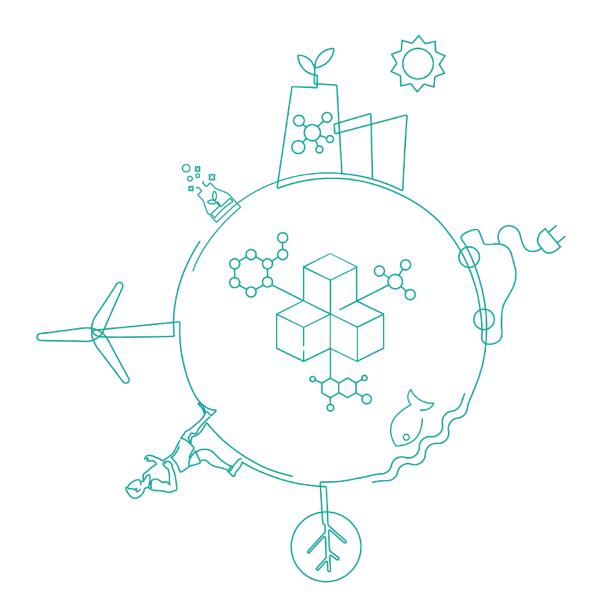


"Chemicals are produced/used in a way that maximises their benefits to society while avoiding harm to planet & people and production and use of safe and sustainable chemicals in Europe becomes a benchmark worldwide..."

As the European chemical industry, we share this vision from the Chemicals Strategy for Sustainability



Safe and Sustainable-by-Design is the way to get us there





## How do we define Safe and Sustainable-by-Design?



Safe and Sustainable-by-Design is a process to innovate and put on the market chemicals, materials, products and technologies that are:

- safe, and
- deliver environmental, societal, and/or economical value through their applications.

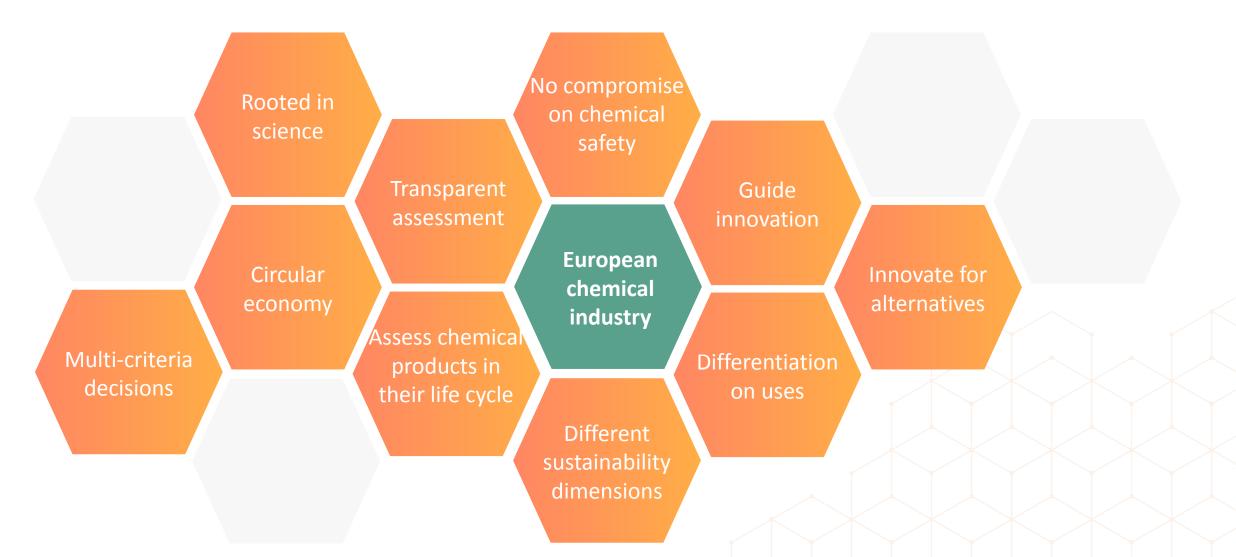
#### **ENABLE:**



- Accelerating the transition towards a circular economy and climate-neutral society
- Preventing harm to human health and the environment throughout the life cycle



## Principles taking the concept forward





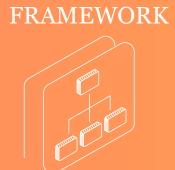
#### Towards design criteria

Taking the Safe and Sustainable-by-Design concept successfully forward will need a set of harmonised criteria and an assessment framework.

Cefic proposes 4 steps to define criteria that can be used to assess the impact of a new or alternative process or product throughout an innovation process.

1 2 3 4 4 MAP EXISTING ASSESSMENT KEY CRITERIA TOOLS & DATA

CRITERIA





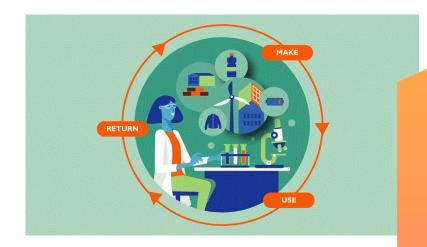




#### SSbD in practice

The chemical industry is already investing in innovations that are Safe and Sustainable-by-Design, from fashion to insulation materials and hygiene products.

And wants to accelerate this process!



Through
ChemistryCan,
we show the
results of these
investments!

The European chemical industry invests approximately billion in research & innovation annually.





#### Our innovations focus on...



Going climate neutral



Driving the circular economy



Enhancing the quality of life



Scaling up digital and tech



# How can the SSbD concept give the EU industry a competitive advantage?

- Clear strategic direction and pathway inserted into a broader Chemicals Strategy for Sustainability, and a common methodological framework
- Innovation support to stimulate and encourage collaboration over the value chains
- The market uptake of safe and sustainable chemicals needs to be incentivised
- The EU should take a global leadership role, to create a level playing field between different geographies



Join us in our journey to define the Safe and Sustainable-by-Desig n process and criteria.





And we invite you to unite in a Future
Chemistry
Network to accelerate chemical innovations which are Safe and Sustainable-by-Design!







Contact us: