

Safe and Sustainable by Design: A key tool to boost innovation and growth

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Policy Framework

The Green Deal



Climate neutrality



Zero pollution



Circular economy

Chemicals Strategy for Sustainability

- Banning the most harmful chemicals in consumer products
- Account for the cocktail effect of chemicals when assessing risks
- Phasing out the use PFAS in the EU
- Boosting the investment and innovative capacity for safe and sustainable by design chemicals throughout their life cycle
- Promoting the EU's resilience of supply and sustainability of critical chemicals
- Establishing a simpler "one substance one assessment" process
- Playing a leading role globally

The concept – work in progress

Safe and Sustainable by Design (**SSbD**)is an approach to the design, development and use of chemicals and materials that focuses on providing a function (or service), while reducing harmful impacts to human health and the environment.



*Safe and Sustainable by Design chemicals and materials. Framework for the definition of criteria and evaluation procedure for chemicals and materials (Draft Report, work ongoing)



European Commission

Expected applications of SSbD

- **Steering innovation** towards the green industrial transition
- Substitute (as far as possible) or minimise the production and use of substances of concern, in line with and beyond upcoming regulatory obligations
- Minimising the impact on climate and the environment (air, water, soil) during sourcing, production, use and end-of-life of chemicals and materials
- Enabling change through R&I









EU related initiatives

Regulatory initiatives (mandatory):

- Ecodesign for Sustainable Products
- Green claims
- Products specific (e.g. batteries)
- REACH Environmental footprint?

Regulatory initiatives (voluntary):

- Sustainable finance/taxonomy
- Green public procurement
- Eco-label

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SSbD assessment workflow



Timeline





Thank you for your attention

Register as a stakeholder:

https://ec.europa.eu/eusurvey/runner/9c66713d-15e4-b8ea-36b4-d5d1d8b471db