



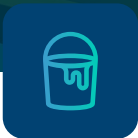
PLANETS

**Sustainable Chemistry
for a Safer Tomorrow**

Embedding Safety and Sustainability: The PLANETS approach

The PLANETS SSbD approach is centered on integrating safety and sustainability into every stage of the design process, ensuring that molecules, processes, and products are inherently safe and environmentally sustainable throughout their entire life cycle. The approach is structured in two main phases: first, the scoping phase, which aims

to define and formalize the system under study; followed by the assessment phase, which is divided into three levels—simplified, intermediate, and comprehensive—and encompasses five (sub)dimensions: hazard, exposure, environmental, economic and social impact.



Surfactants



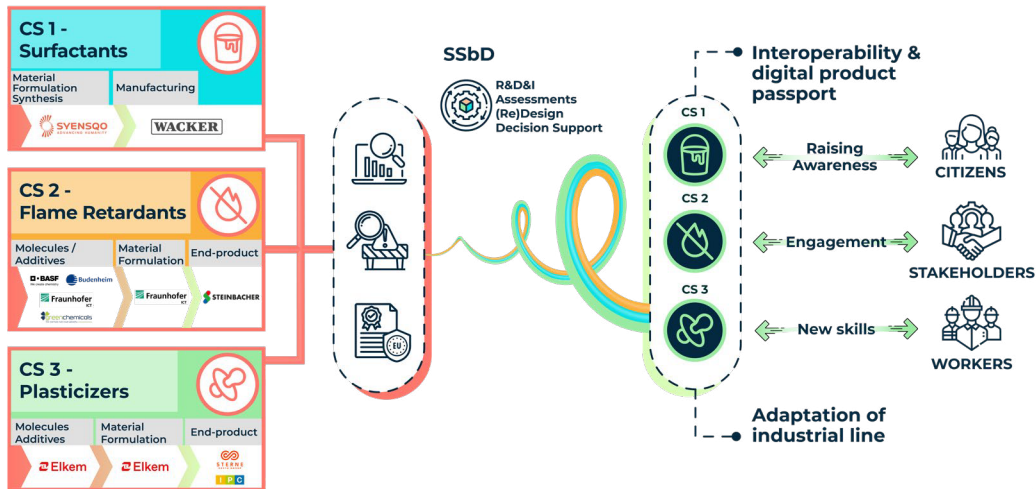
Flame retardants



Plasticizers

Developing safer, eco-friendly, and socially conscious alternatives to critical chemical materials for three key industrial chemicals while ensuring economic viability.

Paving the way for market adoption and industrialization of sustainable chemistry, leading to safer and more sustainable products that are important to our daily lives.



Industrial applications, business case, exploitation strategy



Identify substitution barriers & driving mechanisms for maximal substitution



EU regulation landscape & strategies

Our Partners

The PLANETS consortium brings together 18 partners from 7 countries: Austria, France, Germany, Italy, the Netherlands, Poland and Spain.



TNO innovation
for life



Fraunhofer
ICT



WACKER

Elkem

greenchemicals
THE PARTNER FOR YOUR GROWTH

STEINBACHER
Dinner besser. Dinner wacker.

Budenheim

STERNE
EXSTO GROUP



Radboud Universiteit



RINA

aimen
TECHNOLOGY CENTRE

BNN

BASF
We create chemistry

Scan for more
information!



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the European Union

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