

### PLANETS



Funded by the European Union

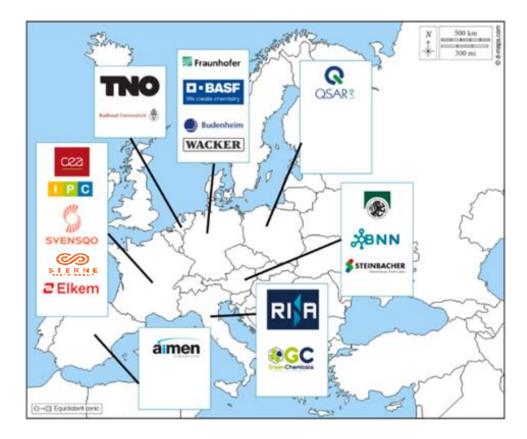
This project received funding from the European Union's Horizon Europe research and innovation programme under grant agreement n° 101177608. RESILIENCE-21/22/23/24 Networking

PLANETS Joséphine STECK – CEA 29/11/2024



Plasticizers, fLame-retardants and surfactANts: new alternatives validating the safE and susTainable by deSign approach

### **PLANETS**



Call: CL4-2024-RESILIENCE-01-24 "Development of safe and sustainable by design (SSbD) alternatives (IA)"

Coordination: CEA

Beneficiaries: 18 partners from 7 countries

- 7 IND (SQO, WCK, ELKEM, GC, BASF, BDH, SBCH),
- 3 **SMEs and large companies** (STERNE, RINA, QL),
- 5 RTO (CEA, TNO, IPC, ICT, AIMEN),
- 3 non-profit organizations (PLUS, BNN, RU)

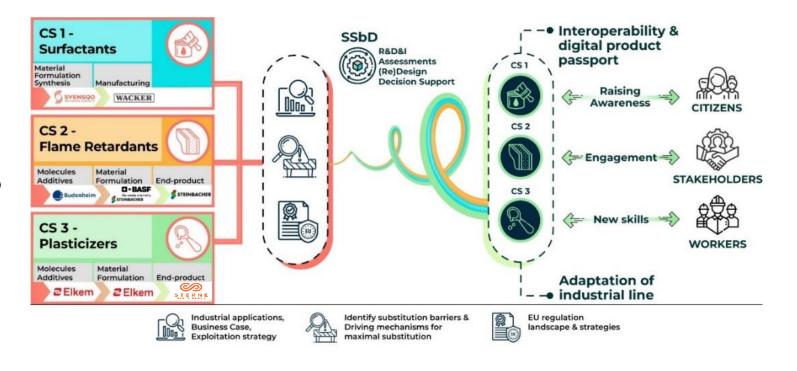
#### PLANETS

#### Objective

# **PLANETS**

PLANETS will demonstrate the applicability of the Framework on the technical development of alternatives to 3 of most important classes of molecules in chemical industries (plasticizers, flame-retardants and surfactants) at TRL 6 and their incorporation into broadly available consumer goods at TRL 7. The new molecules and products will be significantly safer to workers and consumers; will have considerably lower environmental impact, while ensuring economic viability and social awareness throughout the 3 value chains.

The main principle will be to **eliminate SoCs** by selecting **safer alternatives** and/or by **redesigning production** processes to **minimize** the formation of **hazardous substances**. **Material** efficiency and **energy** efficiency will also be among the key design principles to be explored through the PLANETS project.



#### PLANETS

#### **Specific objectives**

## **PLANETS**



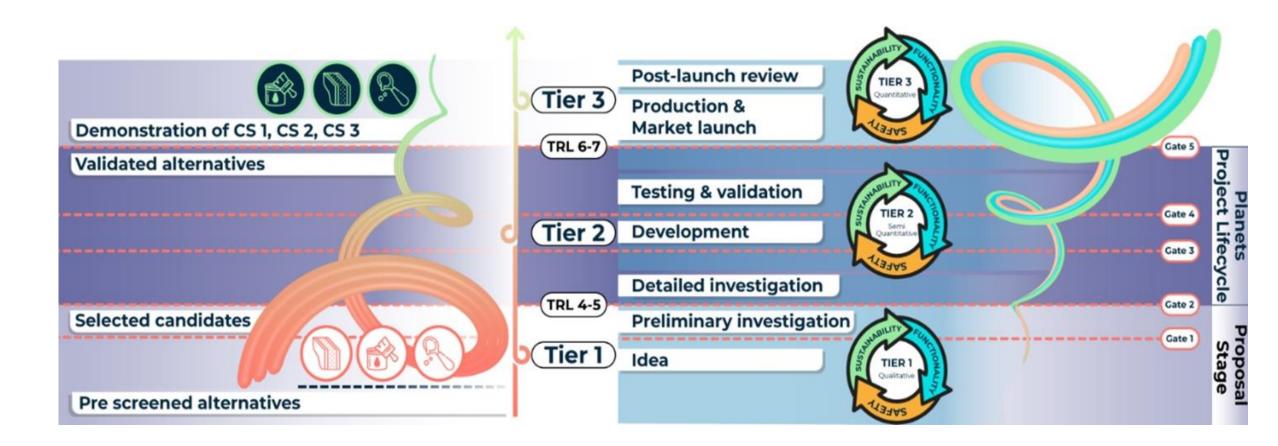
#### PLANETS

GA nº 101177608

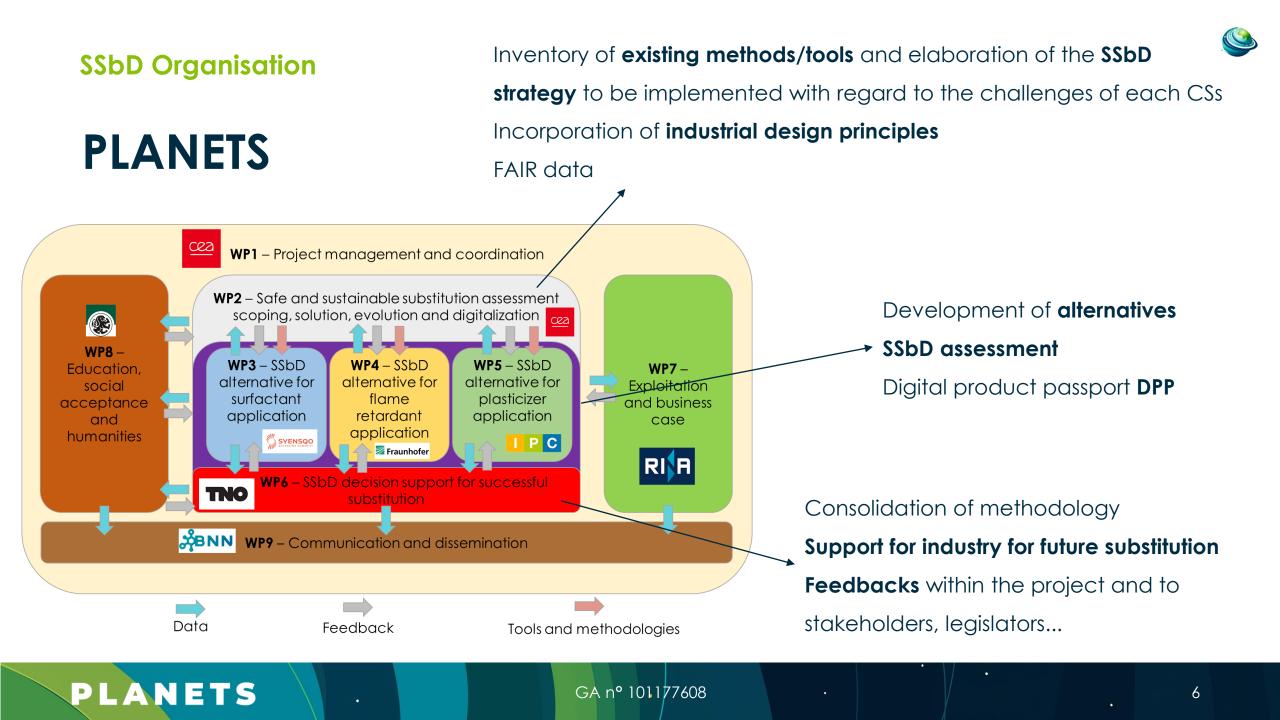


## **PLANETS**

PLANETS



•





### **THANK YOU**



# PLANETS



This project received funding from the European Union's Horizon Europe research and innovation programme under grant agreement n° 101177608.