

NEWSLETTER

**SAFE-, SUSTAINABLE- AND RECYCLABLE-BY DESIGN POLYMERIC SYSTEMS
A GUIDANCE TOWARDS NEXT GENERATION OF PLASTICS**



MESSAGE FROM THE COORDINATOR

Dear Readers,

Welcome to the second edition of the SURPASS Newsletter – 2025.

Plastic waste takes centuries to degrade, releasing harmful substances and polluting our environment. Yet, 70% of plastic waste in Europe is still landfilled or incinerated.

The SURPASS Project is working to change that—by pioneering Safe, Sustainable, and Recyclable by Design (SSRbD) polymeric materials. In this issue, we share key updates, results, and how we're contributing to a more circular future for plastics.

Simon Clavaguera

3 MAIN SECTORS



Construction



Transport



Packaging

ISSUE 4

July 2025



Website



Surpass
Project's
LinkedIn

**Project
Coordinator**

Simon Clavaguera

*Commissariat à
l'Energie Atomique et
aux Energies
Alternatives (CEA)*



Budget
€ 4.98 Million



Consortium
13 Partners
5 Countries



Duration
42 Months
06/2022 - 11/2025



The project has received funding from the European Union's Horizon 2021 research and innovation program, under grant agreement no 101057901.

KEY UPDATES FROM 2024



7th Consortium Meeting May 2025

The 7th SURPASS Consortium Meeting took place in the vibrant city of Budapest, marking a key moment in our journey toward developing Safe, Sustainable, and Recyclable by Design (SSRbD) polymeric materials.

Hosted by our partners GEONARDO at the Central European University, the meeting brought together all Surpass Project partners to share progress, align on key priorities, and plan the next steps of the project. Over the two-day event, we delved into the latest advancements in our three case studies—packaging, building, and transport—which together represent 70% of plastic use in Europe.



The consortium also focused on optimizing reprocessing technologies and developing a scoring-based system to assist designers, formulators, and recyclers throughout the entire plastic life cycle. These discussions are crucial as we work towards creating an open-access, user-friendly digital infrastructure to support stakeholders in adopting SSRbD principles.

We extend our gratitude to all partners for their active participation and to our hosts in Spain for their exceptional hospitality. As we move forward to the final phase, the SURPASS team remains dedicated to pioneering innovations that will lead to a more sustainable future for polymeric materials.

For more information about the SURPASS project and our last initiatives, please visit our website.

[Visit our website](#)



Click to watch the SURPASS team and our volunteers in action, cleaning up Brussels and raising recycling awareness!



ATTENDED EVENTS

Be sure to attend all upcoming events and please find 2025 events where SURPASS was presented.

SETAC
Conference 2025
Vienna, Austria

C'Nano
Conference 2025
Paris, France

DPN2025
Reykjavik, Iceland

Essencia SSbD
Event
Brussels, Belgium

ECP4 2025
Conference
Lyon, France

MATCOMP
Conference 2025
Barcenola, Spain

MATCOMP
Conference 2025
Barcenola, Spain

Circularity Now
2025
Brighton, United Kingdom

MAKRO 2025
Freiburg, Germany

K 2025 - Die
International
Fuhrende
Kunststoffmesse
**Dusseldorf,
Germany**

KEY UPDATES FROM 2024

SURPASS Project Featured in CORDIS Results Pack!

In April 2025, the SURPASS Project was featured in the latest CORDIS Results Pack, focused on Safe and Sustainable by Design (SSbD)—an essential approach to ensuring sustainability and safety from the earliest stages of product and process development.



CURIOUS TO LEARN MORE?

Read the full article here to learn how we are driving the transition to safer, greener, and more circular solutions.



[Read more](#)

Launch of CEN Workshop to create a CWA-type standard from the SURPASS Project

June 2025

As part of our WP6 efforts, **SURPASS** has proposed a CEN Workshop Agreement to help define a standardized artificial contamination method. This will enable consistent and comparable evaluation of decontamination processes—key to improving trust and performance in polymer recycling. By contributing to standardization, SURPASS supports the wider adoption of sustainable and recyclable polymer solutions across Europe.

SETAC Europe 35th annual meeting in Vienna, Austria

May 2025

In May, the **SURPASS Project** took the stage at **SETAC Europe in Vienna**, presenting our latest research on Safe, Sustainable, and Recyclable by Design (SSRbD) polymers. Through posters, oral sessions, and workshops, we shared insights on:

- Ecotoxicological and hazard assessments of SSRbD materials
- The practical application of SSRbD across food, building, and transport sectors
- Our SURPASS scoring system and digital infrastructure to support SMEs and material developers

This visibility reinforced our commitment to science-driven innovation for sustainable polymeric materials.



ATTENDED AND UPCOMING EVENTS

Be sure to attend all upcoming events and please find 2025 events where SURPASS was presented.

SSbD 2025
October
Zurich,
Switzerland

Webinar: R&D on decarbonization,
France

Webinar: IRISS Case Study,
Europe



SURPASS held its first workshop collection last March 2024 in Brussels, the heart of the European Union!



UPCOMING EVENTS

Join us at these must-attend events in the coming months!

Don't miss out on the opportunity to connect, collaborate, and revolutionize the world of plastics. See you there!



SURPASS Final Conference,
November 2025,
Brussels, Belgium

This closing event will highlight our most significant achievements, from scientific breakthroughs to practical tools enabling Safe, Sustainable, and Recyclable by Design (SSRbD) polymeric solutions.



SHAPING



THE FUTURE:

3 MAIN STRATEGIC

SECTORS

Explore over **7 public deliverables** across **3 work packages** now live on our **website**!

THANK YOU FOR READING!
STAY TUNED FOR WHAT'S COMING



11/2025