



SUSTAIN A PRINT

Finding greener alternatives and combining recyclability and degradation into electronic designs

1ST PRESS RELEASE

SaP project overview and Kick-off meeting on October 6th-7th 2022

Sustain-a-Print (SaP) is a project funded by the European Union's Horizon research and innovation program (HORIZON-RIA) under the topic: "HORIZON-CL4-2021-DIGITAL-EMERGING-01-31 - Functional electronics for green and circular economy (RIA)" with grant agreement number 101070556.

Sustain-a-Print embraces the EU's Circular Economy Action Plan to further advance the circularity potential of electronics and

electronic equipment prompted by the dire forecasts for increased resource extraction and waste generation and their detrimental effects on climate and biodiversity. The project's main goal is to open new lifecycle routes for Printed Electronics (PE) and to design and implement sustainability into each step of the lifecycle, including the choice of materials, their usage, origin, processing, assembly, and End of Life (EoL).

CONCEPT & METHODOLOGY

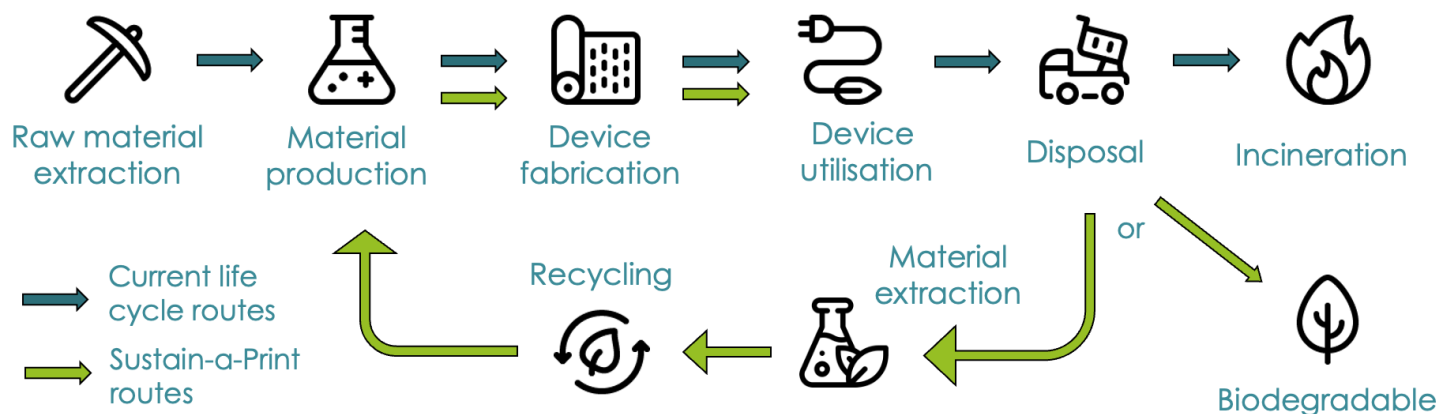


Figure 1 – Illustration of current lifecycle routes for PE-based processes and the sustainable alternatives that will be developed in SaP

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SaP KICK-OFF MEETING

On October 6th and 7th, 2022, 11 partners from 6 countries (Denmark, Germany, Greece, Spain, Sweden, United Kingdom) attended the Kick-off Meeting (KoM) to discuss the mission and the goals of SaP by presenting their unique roles within the project. The KoM took place in the project coordinator's facilities (Teknologisk Institut – DTI), in Copenhagen, Denmark, and focused on the 8 Work Packages, deliverables, and milestones of SaP, as well as on the next actions of each partner for the first months of the project.

The wide scope of the consortium formed by 1 university, 4 research institutions/associations, 1 large enterprise, and 5 SMEs, is aiming to develop a Circular Business Model in PE. Their expertise in biomaterials processing and manufacturing will allow a holistic approach to the circular model, addressing all steps starting from the manufacture of biodegradable/

recyclable materials from biobased/renewable sources, followed by the optimization of the printing methods to obtain the end-products and ensuring the biodegradability or recyclability of their components. In the meeting, the 11 partners discussed technical aspects of the project related to the first steps towards facing the challenge of replacing the fossil-based materials used for printed electronics production, by using recycled, bio-based, and biodegradable alternatives, synergizing with the Bioeconomy Action Plan put forth by the EU. Furthermore, all partners visited DTI's facilities and had a pleasant dinner where they could socialize and participate in fruitful discussions.

The SaP consortium ended the KoM looking forward to the next steps and combining their skills, expertise, and scientific know-how for achieving the project's ambition.



PARTNERS

