SUSTAIN A PRINT

Sustainable materials and process for green printed electronics

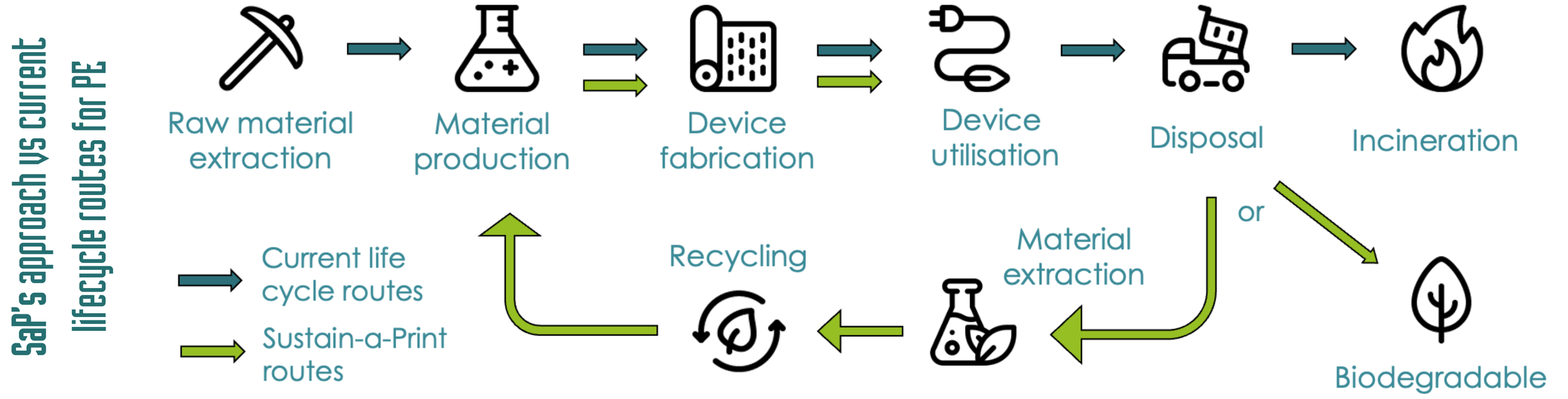
SaP at a glance

11 PARTNERS
6 EUROPEAN COUNTRIES
36 MONTHS
4.1M € EU CONTRIBUTION

FINDING GREENER ALTERNATIVES AND COMBINING RECYCLABILITY AND BIODEGRADATION INTO ELECTRONIC DESIGNS

Sustain-a-Print (SaP) project aspires to replace fossil-based materials used for printed electronics (PE) production by developing recycled, bio-based, and biodegradable alternatives following Safe and Sustainable by Design (SSbD) methodologies and synergizing with the Circular Economy Action Plan put forth by the European Union.

2 Industrial Applications — Biosensors — Membrane Switch/ Keyboards



SaP Methodology

The methodology will be an iterative process based on industrial specifications and devided into 4 focus areas:

- **Materials**
- **Formulations**
- **Printing**
- **Circular Economy**

SaP Technologies

- **Digital Printing**
- **Solvothermal batch and flow chemistry**
- **Ultrasonication**
- **Polymerization and extrusion techniques**
- **Screen and inkjet printing**
- **Separation and recycling technologies**

SaP Innovations

// High-performance conductive materials and inks made from recycled & bio-based sources

\\ Digital printing methods for automated production of PE

// Facile separation and reusability of mounted discrete components

\\ Recycling of critical raw materials

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