



SUBBIMATT

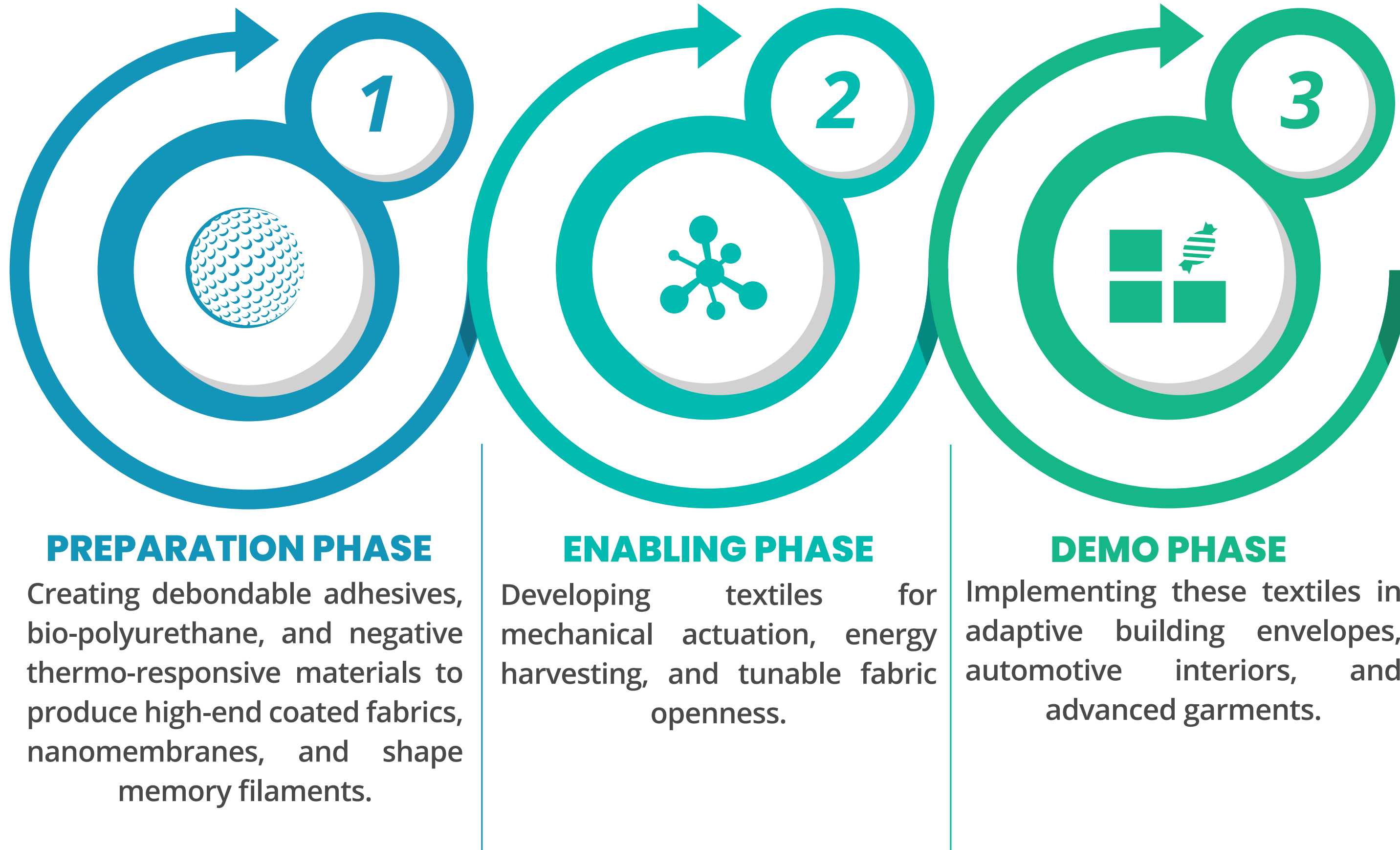
Sustainable, Biobased and Bio-Inspired Materials for Smart Technical Textiles



Project

SUBBIMATT aims to develop **sustainable, biobased, and bioinspired smart technical textile materials** to address energy needs. The project involves creating advanced materials and demonstrating their applications in adaptive building envelopes, automotive interiors, and smart garments.

Project's phases



Objectives

SUBBIMATT has defined several **key objectives** to maximize its impact and achieve its ambitious goals:

- ✦ Safe and Sustainable by Design approach
- ✦ Development of Circular Textile Intermediates using SUBBIMATT biobased materials
- ✦ Smart Textile Materials for motion actuators, energy harvesters, and tunable openness fabrics.
- ✦ Implementation of Smart Textile Materials in building envelopes, automotive interiors and adaptable garments.

Impacts



Industry Competitiveness

Helping the EU textile industry remain competitive and resilient by promoting climate-neutral and circular economy practices.



Energy Efficiency

Demonstrating the benefits of sustainable biobased materials for energy management in daily products.



Sustainability Awareness

Raising awareness about the importance of sustainable materials and practices in various sectors, including building, automotive, and fashion.



Support for EU Policies

Contributing to the EU Bioeconomy Strategy, the EU Industrial Strategy, the EU Textile Strategy, and Fit for 55.

Team



Project details

PROJECT NUMBER: 101129911
PROJECT TITLE: Sustainable, Biobased and Bio-Inspired Materials for Smart Technical Textiles
TOPIC: HORIZON-CL4-2023-RESILIENCE-01-32
START DATE: 1 September 2024
DURATION: 48 Months
GRANTING AUTHORITY: HADEA
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Contacts

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subbimatt.eu



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