



#Building The Future

be@t - Bioeconomy at Textiles

PROMOTING ENTITY:

TECHNOLOGICAL CENTRE FOR TEXTILE AND CLOTHING OF PORTUGAL – CITEVE

OBJETIVES:

The be@t project has as its overall objective the generation and consolidation of a truly innovative, sustainable and circular National Textile and Clothing Industry.

Specifically, it aims to:

- Develop new textile products and materials that are traceable, of biological origin, renewable (including forest-derived materials, agro-industrial waste and alternative natural fibers) and with improved environmental credentials, without affecting their performance levels.
- Develop advanced and sustainable production and finishing technologies and processes. Explore innovative eco-design and eco-engineering approaches to ensure the circularity of all textile products generated in this structuring project.
- Promote the use/reuse, collection and recycling of textiles, economic business models and strategic partnerships, as well as effective regional policies, to implement circular, sustainable textile value chains.
- Contribute to a culture of sustainability and responsible consumption by informing and involving and involving consumers, textile chain actors, brands and other relevant stakeholders.
- Contribute to the generation and consolidation of a truly innovative, sustainable and circular National Textile and Clothing Industry.

PROJECT'S STRUCTURE:

4 Pillars:

biomaterial	circularidade	sustentabilidade	sociedade
<ul style="list-style-type: none"> → Lenhina & Celulose Florestal → Fibras → Tecido não Tecido (TNT) → Matrizes para compósitos de base biológica → Biomassa fibrosa agrícola → Fibras naturais alternativas (processadas mecânica e bioquimicamente) → Banana de madeira → Ananás dos Açores → Cânhamo do Centro → Linho do Norte → Palha de Arroz do Alentejo → ... 	<ul style="list-style-type: none"> → Processos (bio) circulares → Reciclagem (bioquímica e mecânica) → Simbioses industriais → Valorização de resíduos de outras indústrias → Colagénio → Hidroxiapatite → Quitosano → Extratos de plantas → Cortiça → Couro → Madeira → ... 	<ul style="list-style-type: none"> → Eco design e Eco Engenharia em ciclo fechado (zero waste) → Validação e Métricas → Percentagem de Bio, Reciclado & Reciclável → Negócios e equidade verde → Pegada de carbono → Rastreio Digital → Cadeia de Fornecimento Transparente e Confiável 	<ul style="list-style-type: none"> → Consumo Responsável → Informação ao consumidor e promoção de bons comportamentos de consume → Compra consciente → Reutilização/reparação → Sensibilização para a rotularem → ID de produto têxtil uniformizado, simples, objetivo e claro → Envolvimento dos Stakeholders de Cadeia de Valor & Marcas → Mercados internacionais → Promoção da marca "Responsible Textiles from Portugal" (iTechStyle GreenCircle)

CONSORTIUM:





















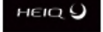








55 partners with complementary skills:

14 Non-SME companies (corresponding to 26% of the consortium)

17 SME companies (corresponding to 30% of the consortium).

21 ENESII (corresponding to 39% of the consortium)

3 Others (6%)

Leader	ENESII
 citeve TECNOLOGIA TÊXTEL	      
Other Entities	SME's
  	     
Non SME's	
     	     

TOTAL PROJECT INVESTMENT:

137.931.727,66 €

TOTAL PROJECT FUNDING:

70.982.562,78 €

START DATE: 1st of July 2022

END DATE: 31st of December 2025

For more information, please consult our website:

<https://bioeconomy-at-textiles.com/>

www.recuperarportugal.gov.pt