

# Partner Search Form Horizon Europe

Date 03 13 2023

Deadline tbc ...

## CONTACT

Organisation	NOOSA	Department	
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Country	Belgium		

## Organisation type

<b>Research organisation type</b>	<input type="checkbox"/> Research Organisation	<b>Is your company a Small and Medium Sized Enterprise (SME*)?</b>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	<input type="checkbox"/> University		
	<input checked="" type="checkbox"/> Company	<b>Number of employees:</b>	
	<input type="checkbox"/> Other	7	

### Short introduction of key areas of research:

We commercialize a bio-based textile fiber that we recycle at 100% at the end-of-life thanks to our patented technology, to ensure circularity at system level.

Made out of polylactic acid (PLA), our fiber is bio-based and constitutes a lower environmental footprint alternative to traditional materials. We have established a substantial expertise in this field and have a good overview of the PLA-related technologies.

NOOSA fibre shows great intrinsic properties relevant to textile applications such as: increased breathability, low odour retention, low-flammability and UV stability. This does not only warrant a longer lifetime to the products made out of NOOSA but also replace or reduce the number of additives needed to texture and finish textiles.

**Former participation in an FP European project?**

YES  NO

**Project title / Acronym:** Bio-based and 100% recyclable textile

**Activities performed:** Signature of letters of intent

## FOR CONSORTIUM SEARCH

**Description of your expertise:**

To further improve the environmental performance and ensure circularity, we have developed a textile recycling technology with a strong systemic potential (including collecting and sorting) which we would like to demonstrate in a collaborative project with partners from the value chain.



Thanks to our patented technology, we are able to recycle our fiber at 100% into a virgin quality fiber without deterioration.

We are continuously working the detection of our material to improve the traceability along the supply chain and ensure the effective recovering of material streams at the end-of-life.

We are looking to scale up and demonstrate a closed loop application at European level. We have already partnered with more than 10 European actors involved in the textile industry (research centers, yarn and knit manufacturers, sorters, recyclers ...). We are looking for apparel/workwear/upholstery brands interested in joining the current consortium and market innovative circular products.

**Keywords specifying your expertise:**

polylactic acid, bio-based fibre, collecting, sorting, recycling, chemical recycling

**Commitment offered:**

Research     Demonstration     Training  
 Technology     Dissemination     Other:

**Interested in participation in project types:**

<input checked="" type="checkbox"/> Research & Innovation Action	<input checked="" type="checkbox"/> Innovation Action	<input type="checkbox"/> EIC Pathfinder
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**Work Programme research areas: indicate your interest**

Horizon Europe Cluster 6

**Call topic(s):**

- HORIZON-CL6-2023-CircBio-02-2-two-stage: Novel, sustainable and circular bio-based textiles**

**Do you have other partners for this topic (which partners/country)?**

Partners with French, Belgian, Dutch, Czech, Spanish, Italian, Turkish and German actors.

**Profile of partner sought**

**Role**

<input type="checkbox"/> technology development	<input type="checkbox"/> research	<input type="checkbox"/> training
<input type="checkbox"/> dissemination	<input checked="" type="checkbox"/> demonstration	<input checked="" type="checkbox"/> other : Raw material, Manufacturers (spinners, knitters, dye...), Sorters, /Recyclers

**Country /region**

**Expertise required**

Looking for apparel/workwear/upholstery brand to join an existing consortium

**I agree with the publication of my contact data:**

YES

NO