

Information on our organisation

PILI – French SME

Short Presentation

Pili uses **hybrid processes** combining **industrial fermentation and organic chemistry** to manufacture **sustainable, high-performance aromatic intermediates** for the industry, **dyes and pigments** for all color ranges for the textile industry, inks, polymers, paints and coatings.

Actual participation to European projects

Waste2bioComp – biobased dyes and pigments for textile printing
Colour4CRAFTS – indigo as an innovative biobased dye
WoodVALOR – valorization of 2G sugars from waste wood feedstock, production of pigments for the paint and coating industry



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Description of Pili's possible contribution to EU calls

Horizon Europe or CBE-JU EU calls

Implication	<input type="checkbox"/> Coordinator <input checked="" type="checkbox"/> Partner
Type of WP	<input checked="" type="checkbox"/> Technology development <input type="checkbox"/> Product characterisation <input type="checkbox"/> Technology validation <input type="checkbox"/> Other <input type="checkbox"/>
Description of our expertise related to the call for proposals	<ul style="list-style-type: none"> • Expertise in the production of bio-based aromatic intermediates through fermentation • Expertise in the synthesis of bio-based dyes and pigments using green chemistry • Fermentation using second-generation syrups • Qualification of second-generation raw materials for fermentations • Supply of ton-scale batches of bio-based indigo and kilogram-scale samples of bio-based pigments • Supply of kilogram-scale samples of aromatic intermediates

Pili as a Partner for EU consortia (Horizon Europe, CBE-JU)

A French biotech innovative SME to decarbonize the chemical industry

Field of expertise

Chemical synthesis, purification, bioprocess, metabolic engineering, fermentation, downstream process

Chemical Targets : dyes, pigments, biobased substrates, anthranilic acid, PABA, aromatics, aniline derivatives, salicylic acid, monomers ... *All biobased.*

Production capacity

From lab scale (g-scale) to industrial scale (multiton-scale) of various biobased chemicals

What Pili can bring to collaborative project

- Qualification, use and valorization of biomass derived C6-sugars for fermentation
- Production of new biobased chemicals for the chemical industry (textile, cosmetic, paint, coating, polymers...)
- POC of biotech projects (strain design, fermentation, DSP, chemical valorization) from lab to demonstrator
- Development of new synthetic routes to chemicals of interest combining fermentation and/or sustainable organic synthesis

From Lab to pilot scale and industrialisation



Pili Bio-based indigo: a way to decarbonize the textile industry

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