



techtera

Tissé en Auvergne-Rhône-Alpes



PARTICIPATION à la MASTERCLASS *Circular Biobased Textiles*

Techtera, en association avec la *European Textile Platform* (ETP), propose, aux PME membres du pôle, une offre spéciale de participation à la MASTERCLASS *Circular Biobased Textiles*, dont le programme détaillé se trouve ci-après :

Module 1: Introduction & Basics

1.1 Intro sessions (2 webinars on consecutive days) • Early May 2022

Introduction of the objectives, programme, tools, and procedures of the Masterclass. Short introduction of all subscribers, their competences, and expectations.

1.2 Basic concepts, methods & definitions (1 webinar) • Late May 2022

The key dimensions of sustainability for fibre/textile-based products, underlying research & policy frameworks, main methods for assessing sustainability and circularity, definitions of key terms, concepts, identification of major misconceptions and controversies.

1.3 Key challenges & market drivers (1 webinar) • Mid-June 2022

Key challenges for growing/developing/producing/commercialising natural and biobased man-made textile fibres, main objectives and challenges for realising true circularity of fibres & textiles, the scale of the challenges, and the related market needs/opportunities (volumes, segments, trends in Europe and globally), key drivers for large scale adoption of circular/biobased fibres and textiles.

Module 2: Biobased Fibres & Textiles

2.1 Biobased and renewable feedstocks for fibres and textiles (1 webinar) • Mid-Sept2022

Primary biobased and renewable feedstocks for textile fibres (agriculture, forestry, aquaculture, organic waste, CO2) and their potential and limitations for textile fibre production incl. technology state-of-the-art, demonstration & pilot plants, expected future trends and research/development needs.

2.2 biobased fibres innovations (1 webinar) • Early-Oct 2022

New approaches, functionalities, processes, and pilot manufacturing of biobased fibres and textiles from cellulose, PLA, bPET, bPA, and compounds thereof.

2.3 Biobased textile chemistry (1 webinar) • Late Oct 2022

New renewable/biobased solutions to replace fossil-based or hazardous conventional textile chemistry such as dyestuffs, auxiliaries, performance chemistry, including coatings and technical finishings.

2.4 New biobased textile applications in major end markets • In-person workshop • Late Nov 2022

Innovative biobased fibre/textile solutions in major end markets (1) clothing & fashion, (2) home & medical textiles + nonwovens, (3) technical textiles and composites.

Techtera bénéficie du soutien de :



Module 3: Textile Circularity

3.1 Textile waste management: collection, sorting & recycling (1 webinar) • Mid-Jan 2023

Textile waste volumes, business, and regulatory trends and challenges, approaches to textile waste collection, sorting, and separation for major textile waste streams (industrial, consumer, post-use professional).

3.2 Textile recycling processes and technologies (2 webinars) • Early + Late Feb 2023

State-of-the-art and upcoming processes and technologies for recycling (mechanical, thermo-mechanical, chemical, biochemical) of the most common fibre types and textile waste streams.

3.3 National/regional textile waste management initiatives (1 webinar) • March 2023

National/regional policies, initiatives, networks, pilot facilities for innovative textile waste management solutions.

3.4 EU and national research and innovation projects for textile circularity • In-person workshop • April 2023

Activities and results of major research, innovation, and demonstration projects at EU and national level to develop and implement new practices, processes, and business models for textile circularity.

Module 4: Policy Framework & Management Tools to Adopt Circular & Biobased Textiles

4.1 Regulatory drivers of circular & biobased textiles (1 webinar) • May 2023

Major EU legislation and upcoming policies driving adoption of circular and biobased textiles, creating new challenges and possibilities of addressing them by innovative solutions.

4.2 Standardisation and certification to enable circular biobased textiles (1 webinar) • June 2023

Overview of main standards, standardisation initiatives, common certification schemes, and their applications and limitations, needs to facilitate market adoption and regulatory compliance through new standards and certifications.

4.3 Design concepts and practical approaches towards textile sustainability • (1 webinar) • Mid-Sept 2023

Methodological overview and practical implementation examples of various design approaches enabling sustainability such as eco-design, design for recycling/circularity, design for durability and reparability, management tools for designers/product developers.

4.4 Managing sustainable and circular business operations in textile businesses and supply chains (1 webinar) • Early Oct. 2023

Introduction of innovative management concepts, tools, technologies and platforms to manage data generation, exchange, and communication along the production-consumption-re-use/recycling value chain.

Module 5: Towards a future Circular Bio-based Textile Economy

5.1 Strategies and business models to drive systemic change (1 webinar) • Early Nov. 2023

Success stories and promising new approaches to drive systemic adoption of sustainable and circular business operations in both conventional and technical textile value chains at regional, national, European, and global level.

5.2 Outlook: major strategic innovation and research directions & funding opportunities • Final conference • Late Nov/Early Dec. 2023

A glimpse into the future: major new pathways, strategies, and technologies towards a CO2-neutral positive impact global fibre, textile and clothing industry. Major research and innovation needs for the 2025-2030 period and related funding opportunities.

Lancement le 10 mai 2022.

Cette offre est réservée aux PME françaises, à jour de leur cotisation au pôle de compétitivité Techtera.

 **Nombre de places limitées.**

Pour plus d'informations, contacter Marine PERRAUD : mperraud@techtera.org

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