

Circular Biobased Textiles

European Masterclass



What do you learn?

- Gain knowledge, understanding and practical insights from Europe's leading innovators in circular & biobased textiles.
- Learn about the technology state-of-art of circular and biobased textiles, market and regulatory trends, major European and national programmes and initiatives, future trends, enabling design and business model innovation.
- Position yourself and your company as a European innovation leader or status-quo challenger in circular and biobased textiles.
- Build yourself a European network of like-minded innovators and thought leaders.

How do you learn?

- 20-months programme of 15 webinars and 3 in-person events covering circular and biobased textile innovation with a 360° approach
- Participate in live sessions and review the course materials anytime afterwards via our online platform.
- Discuss with key knowledge & innovation leaders in circular and biobased textiles from across Europe.
- Network with your peers at two in-person workshops and the final conference.

Learning Journey

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-Sept 2022

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 cellulotics, 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 (1 webinar) • 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.

Module 3: Textile Circularity

3.1 Textile waste management: collection, sorting & recycling (1 webinar) • 12 January 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)

• 2 February 2023 and 23 February 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) • 16 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 (1 webinar) • 13 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.

In-person workshops:

1. Frankfurt, Germany • 5 May 2023

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

4.1 Regulatory drivers of circular & biobased textiles

(1 webinar) • 27 April 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) • 25 May 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.

Additional in-person workshops: date and place to be defined

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.

Subscription Levels & Pricing

2023
PRICES



EXPERT



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Benefits	<ul style="list-style-type: none"> • 1 Registered Expert • 1 Intro Presentation • 1 Expert Profile on Platform • 1 Free Attendant at Workshops • 1 Discounted Attendant at Final Conference 	<ul style="list-style-type: none"> • 5 Registered Experts • 1 Intro Presentation + 1 Webinar Presentation • 5 Experts Profiles on Platform • 1 Organisation Profile on Platform • 2 Free Attendants at Workshops • 2 Discounted Attendants at Final Conference 	<ul style="list-style-type: none"> • 12 Registered Experts • 1 Intro Presentation + 1 Webinar or Physical Event Presentation • 12 Experts Profiles on Platform • 1 Organisation Profile on Platform • 3 Free Attendants at Workshops • 3 Discounted Attendants at Final Conference
Price	1.500 € 1.125 €	2.000 € 1.500 €	2.500 € 1.875 €
Associate Members Discount	875 € 1.200 €	1.250 € 1.700 €	1.625 € 2.200 €
Networking Members Discount	1.400 € 1.025 €	1.900 € 1.400 €	2.400 € 1.775 €

All prices are Net prices without VAT.

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The European Masterclass: Innovation in Circular and Biobased Textiles

The masterclass is organised by the European Technology Platform for the Future of Textiles and Clothing, with the support of research & technology organisations: RISE, STFI, Centexbel, and Centrocot. To learn more about Innovation in Circular and Biobased Textiles Masterclass visit www.textile-platform.eu or send an email to info@textile-platform.eu.

The Organisers

The European Technology Platform for the Future of Textiles and Clothing, Textile ETP in short, is the largest network for textile research and innovation in Europe. It acts as a think tank, strategic connector and EU funding access facilitator for textile industry, research, education and cluster organisations.

Co-organisers



Centexbel, Belgium

www.centexbel.be



Research Institutes of Sweden (RISE), Sweden

www.rise.se



Sächsische Textilforschungsinstitut e.V. (STFI), Germany

www.stfi.de



Centro Tessile Cotoniero e Abbigliamento S.p.A. (Centrocot), Italy

www.centrocot.it

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