



# Innovation in Circular & Biobased Textiles

## European Masterclass

**Info Webinar – 10 Feb. 2022 – Speakers: Lutz Walter & Kamilla Drubina, Textile ETP**

Organized by the Textile ETP, with support of research & technology organizations: RISE, STFI, Centexbel, and Centrocot



# Webinar Procedures

The webinar is recorded and can be shared - in parts or entirely - publicly. By staying connected you agree to this. If you would not like to appear on the recording, please turn off your camera and send your questions via the chat function.

Mute your  
microphone

Disconnect  
video

Raise your  
hand when  
you wish to  
speak

When you are  
invited to speak,  
unmute mic and  
show video  
(if possible)

Type questions  
in the chat



# Agenda



## Lutz Walter, Textile ETP

Why a Masterclass on  
Circular & Biobased  
Textile Innovation?

The Curriculum:  
5 Learning Modules  
to Become a Circular  
Biobased Textiles  
Expert

16:00 – 16:30

## Kamilla Drubina, Textile ETP

The community,  
Collaboration  
activities & tools

How to get on board?

16:30 – 16:45

## Q&A

16:45 – 17:00

# 01

Lutz Walter, Textile ETP

## **Why a Masterclass on Circular & Biobased Textile Innovation?**

# Why circular biobased textile innovation?

The time is  
NOW

- The circular biobased transition is **the biggest transformation of the textile industry** since the rise of synthetics in the 1950-60s.
- It touches **all aspects** of textile design, production, distribution, consumption & end of life.
- **Rapid research & technology progress** in materials, processes, software, services & business models.
- **Fragmented & emerging knowledge** and (new) players across Europe.
- Massive opportunities from **public and private funding** of research & innovation programmes.
- ETP network excellent starting point to build a European circular biobased **innovation community**.

# The Masterclass Solution

## Knowledge

- Insights and latest developments from leading technology developers, industry innovators and end-market experts from across Europe.

## Community

- Building an interactive learning community at the interface of research & industry across Europe as a basis for future collaborations.

## 2 Pilot Programmes (Oct. 2020, end March 2021)

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54 subscribers



33 subscribers

# Key Figures of 6 months exploration phase

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**58**

organisations  
from 15 countries

**16**

webinars

**60+**

speakers  
from 10 countries

**210**

registered  
experts

**60+**

participants  
on average

**30+**

hours of  
presentations



# Joining the art - science

## European Masterclass

Organised by Textile ETP with support of Daniela ZAVEC, Titera



15-months learning and  
community building journey  
15 webinars + final conference  
**April 2021 – June 2022**

**52**

Subscriber organisations

55% industry,  
30% research,  
15% associations

**250**

Registered experts

**10**

Webinars so far

**16**

European Countries

**1200+**

Total attendees

- Gain knowledge, understanding and skills to realize the **innovation potential** in this growing field.
- Understand the **state-of-art of circular & biobased textiles, key technologies, promising target markets**, proven business models and value creation along the supply chain.
- **Position your company** as a European leader or changer in circular & biobased textiles innovation.

# What do you learn?

360° approach  
to Circular & Biobased  
Textiles

# How do you learn?

Unique Expertise

+

Engaged Community

- **20-month** programme of **15 webinars** covering circular and biobased textile innovation with 360° approach.
- Participate in **live sessions** and review the **course materials** anytime afterwards
- Discuss with the **key knowledge & innovation leaders** in circular and biobased textiles from across Europe.
- Network with your peers at **2 in-person workshops and the final conference in December 2023.**

# 02

Lutz Walter, Textile ETP

## **The Curriculum:**

**5 Learning Modules to Become a  
Circular Biobased Textiles Expert**

# Learning Journey

May - June 2022

Sept - Dec 2022

Jan - Apr 2023

May - Oct 2023

Nov - Dec 2023

**Module 1**  
Introduction  
& Basics

**Module 2**  
Biobased Fibres  
& Textiles

**Module 3**  
Textile Circularity

**Module 4**  
Policy Framework,  
Design &  
Management Tools

**Module 5**  
The Future Circular  
Biobased  
Textile Economy

Developed by



# Module 1

## Introduction and basics of Circular & Biobased Textiles

May – June 2022

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

- Objectives, programme, tools and procedures of the Masterclass.
- 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.
- Research & policy frameworks, methods, definitions.
- Major misconceptions and controversies.

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

- Key challenges for natural and bio-based textile fibres,
- Main objectives and challenges for realising true circularity
- Scale of the challenges and the related market needs/opportunities

## 2.1 Biobased and renewable feedstocks for fibres and textiles (1 webinar) •

*Mid-Sept-2022*

- Primary biobased and renewable feedstocks for textile fibres and their potential and limitations.
- technology state-of-the-art, demonstration & pilot plants, expected future trends and research/development needs.

## 2.2 Biobased fibre innovations (1 webinar) • *Mid-Sept 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/bio-based solutions to replace fossil-based or hazardous conventional textile chemistry.
- 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 bio-based fibre/textile solutions in major end markets (1) clothing & fashion, (2) home & medical textiles + nonwovens, (3) technical textiles and composites.



# Module 2

## Biobased fibres & textiles

**Sept – Dec 2022**

# Module 3

## Textile Circularity

Jan – April 2023

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

- Textile waste volumes, business/regulatory trends and challenges.
- Textile waste collection, sorting and separation for major textile waste streams.

### 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, bio-chemical) 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.



# Module 4

## Policy Framework, Design & Management tools for circular & biobased textiles

May – Oct 2023

### 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

- Main standards, standardisation initiatives,
- common certification schemes and their applications and limitations

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

- Overview and practical implementation of various design approaches 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

- 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

## The Future Circular Biobased Textile Economy

Nov – Dec 2023

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

- Success stories and promising new approaches
- Systemic value chain solutions 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 CO<sub>2</sub>-neutral, positive impact global fibre, textile and clothing industry.
- Major research and innovation needs for the 2025-2030 period and related funding opportunities

# 03

Kamilla Drubina, Textile ETP

**The community,  
Collaboration activities & tools**

# Learning Community

- Dedicated **platform** to access all Masterclass-content (webinar recordings, PPT slides, surveys, etc.) building on best practices.
- Directory of all participating companies and individual experts to connect and network with your peers.
- Live Q&A during the webinars + chat during and after webinars.
- At least 3 in-person events to meet and connect in real life as well.



# 04

Kamilla Drubina, Textile ETP

**How to get onboard?**

# How to subscribe

- **Early Bird** subscription rates are available until **21 March**.
- One **single subscription per organisation** that allows enrolling multiple experts (under Team and Corporate packages).
- **Full information & subscription link** at [www.textile-platform.eu](http://www.textile-platform.eu)

# Subscription packages

EXPERT	TEAM	CORPORATE
<ul style="list-style-type: none"><li>✓ <b>1 Registered Expert</b></li><li>✓ 1 Intro Presentation</li><li>✓ 1 Expert Profile on Platform</li><li>✓ 1 Free Attendant at Workshops</li><li>✓ 1 Discounted Attendant at Final Conference</li></ul>	<ul style="list-style-type: none"><li>✓ <b>5 Registered Experts</b> (same company)</li><li>✓ 1 Intro Presentation + 1 Webinar Presentation</li><li>✓ 5 Expert Profiles on Platform</li><li>✓ 1 Organisation Profile on Platform</li><li>✓ 2 Free Attendants at Workshops</li><li>✓ 2 Discounted Attendants at Final Conference</li></ul>	<ul style="list-style-type: none"><li>✓ <b>12 Registered Experts</b> (same company)</li><li>✓ 1 Intro Presentation + 1 Webinar or Physical Event Presentation</li><li>✓ 12 Expert Profiles on Platform</li><li>✓ 1 Organisation Profile on Platform</li><li>✓ 3 Free Attendants at Workshops</li><li>✓ 3 Discounted Attendants at Final Conference</li></ul>

# Subscription fees

	EXPERT	TEAM	CORPORATE
FULL PRICE	1,500€	2,000€	2,500€
EARLY BIRD*	<b>1,350€</b>	<b>1,800€</b>	<b>2,250€</b>
FULL PRICE - TEXTILE ETP MEMBER**	1,200€	1,700€	2,200€
EARLY BIRD* - TEXTILE ETP MEMBER**	<b>1,050€</b>	<b>1,500€</b>	<b>1,950€</b>

*\* early bird discounts apply for subscriptions submitted by 21 March 2022*

*\*\* the Textile ETP Member discount of 300€ applies to Associate members. For Networking members, the discount is 100€.*



# Invoicing

- Will start as of late March
- Relevant discount will be calculated upon invoicing
- Split payment possible\*: 2 x 50 % (March 2022, Jan. 2023)
- Package upgrade possible\*:
  - Expert ↔ Team
  - Team ↔ Corporate
  - Above Corporate: Custom offer

*\* an additional 50 EUR administration fee applies for the second invoice*



# Onboarding & Kick-off

- Subscription of companies.
- Subscription invoices issued: as of late March.
- Invoice payment received.
- Onboarding of individual experts: April.
- Introductory webinars: first week of May.

# The Organisers, Textile ETP



**Lutz Walter**

Programme  
Coordinator



**Kamilla Drubina**

Community  
Manager



**Astrid Begenyeza**

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**Ask your  
Questions!**

# Let's keep talking



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