



BIO-BASED FIBRES

Organized by

The European Technology Platform for the future of Textiles and Clothing

THE SCOPE

The textile and clothing industry is under pressure to demonstrate that its products and production processes are sustainable. A significant role is played by the raw materials (feedstocks/fibres) used and how they are produced and sourced. Currently the **EU textile industry depends by over 90% on non-EU sources fibres and feedstocks**. Most synthetic fibres, if not directly sourced from outside the EU, are made from non-European fossil feedstocks and most cotton, wool and silk used by the EU textile industry is sourced from outside Europe.

For a shift from fossil-based to more renewable, bio-based fibres, the EU textile industry needs a sound long-term strategy **for a safe and cost-effective supply of local bio-based fibres and feedstocks**. Many opportunities exist both in the field of natural fibres through revival of traditional fibre crops (e.g. hemp) or establishment of new ones as well as in bio-processing of renewable feedstocks incl. waste from agri- or aquaculture, forestry, food or even CO2 capture and use.

- Assess the technical & industrial **state-of-the-art** of bio-based fibres/feedstocks in Europe;
- Assess **the most critical at-risk fibre supply chains** for which action is urgently needed;
- Select the highest potential opportunities for **growth in EU-origin bio-based fibres** and define the conditions and strategic actions needed to **accelerate their development**,
- Systematically map key players and their capacities at **all stages of the textile value chain** as well as all enabling feedstock supply, chemistry, technology and service providers,
 - Identify **critical knowledge** and **technology gaps**;
 - **Lobby public/private** funders and bring together **collaborative projects** with critical mass;
 - Develop a comprehensive and realistic **European technology roadmap for bio-based textile fibres**;
- Work closely with related **European initiatives and organisations** such as the **Bio-based Industry Consortium (BIC)**, **EuropaBio** etc.

HOW IT WORKS?

- **3-years programme** incl. a 6-months open **exploration phase** and 30-months exclusive **strategy phase**.
- **Exploration phase**: at least 2 workshops to **define scope** and identify/approach all crucial participants. At the end a common **programme** for the next 30 months with **clear milestones** and **deliverables** will be **approved** by all participants.
- **Strategy phase**: **25-50** fixed **members** from industry, technology & research with **exclusive access** to all **meetings**, **documents** and **contacts**.
- **Organisation**: The group work will be organised by the ETP and an internal or externally contracted process leader.
- **Governance**: The Strategic Programme will have a **Governing Board** (1 member per participating organisation) that decides on the strategic direction, the use of resources, the communication policy, the addition of new members in the process, etc.

WHAT IT DELIVERS TO PARTICIPANTS ?

- **Exclusive access** to a focussed **European network** of leading fibre, biomass, biochemistry and textile companies, brands, technology developers and researchers **working on bio-based textile fibre development and industry application**
 - European technology **state-of-the-art** and **foresight** intelligence
- Better understanding of **business opportunities in bio-based fibres** as well as business risks from **EU/global legislation** on material **sustainability/circularity**
 - Possibility to shape a **technology roadmap** with impact on EU research funding
 - Pole position in accessing EU funding opportunities for bio-based materials
 - **European visibility** for own technology competences or industrial capacities

HOW MUCH DOES PARTICIPATION COST?

The strategic programme will be financed based on a **crowd-funding** concept, which means that the work will only be launched if and when a **minimum collective** funding has been committed to cover the necessary coordination expenses. These special contributions are:

For the exploration phase (6 months): € 600.00

For the strategy phase (30 months):

Industry: € 4000.00

Research: € 2000.00

Directly or indirectly*affiliated **ETP members** can deduct their annual ETP membership subscriptions from these special contributions (half annual subscription for exploration phase, 2.5 annual subscriptions for the strategy phase)

**Indirectly members via EURATEX, Textranet, NETFAS and EU-TEXTILE2030*

HOW TO JOIN?

To join this strategic programme, complete the enclosed **subscription** form [here](#) before the **20th July 2020** at the latest. By **end of July 2020** you will be informed if the programme will be launched and in this case you will receive the contributions invoice, the propose schedule for the exploration phase and the list of participating organisations.



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The European Technology Platform for the Future of Textiles and Clothing (Textile ETP) is the largest European stakeholder network to support collaboration and technology transfer in Europe's textile and clothing sector. It brings together industrial companies incl. many SME's from the entire fibre, textile and clothing value chain, research and higher education institutions, associations and cluster organisations as well as technology providers and end of users of fibre and textile-based products. The Textile ETP was founded in 2004 and is based in Brussels