



# SMART TEXTILES

Organized by

The European Technology Platform for the future of Textiles and Clothing

## THE SCOPE

Over the last 10 years great **technological progress** has been made in materials, processes, components and technologies enabling smart or e-textiles. At the same time **electronics and battery miniaturisation, wireless data transmission, software applications and online platforms** introduced wearable and integrated devices to many consumer and professional markets such as health, sport, entertainment, fashion, personal protection, defence and many industrial applications. Still most of such products having reached large market scale are not textile based or truly textile integrated. To fully **unlock the potential of e-textiles** issues around functionality and cost of materials, reliability and efficiency of manufacturing, connecting, integration and assembly technologies, sustainability and recycling as well as standardisation and certification issues need to be solved, ideally across the value chain.

To drive industrial scale Smart Textiles innovation and large-scale market adoption, **players from different fields** (chemistry, electronics, textiles, clothing, IoT, software, end users...) across Europe need to work together in **strategic partnerships**. EU textile and clothing producers can **establish a European manufacturing value chain for smart textiles** based on their unique material, processing, quality assurance and niche end market know-how, **creating a long-term growth market** similar to the technical textile success story in the last 20 years.

To make this possible, innovation leaders from **established companies, research and technology leaders and start-ups from across Europe** need to collaborate in a common initiative.

The objective of this strategic programme is to bring key players from industry, technology, and research around a common table to:

- Assess the technical & industrial **state-of-the-art** of Smart Textiles in Europe;
- Systematically **map key players** and promising start-ups and their capacities at all stages of the textile value chain as well as all enabling material, chemistry, technology, IOT, electronics and service providers,
  - Identify **critical gaps** in the European manufacturing value chain;
  - Select the highest **potential opportunities** to accelerate the production of the EU smart textiles.
- **Lobby public/private funders** and bring together collaborative **research and innovation projects**.
  - Develop a **technology roadmap** for a European Smart Textiles Manufacturing Value Chain.
- Work closely with the **EU Commission's DG Connect**, and related research and industry initiatives such as **EPOSS**

## 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, textile, IOT, electronics and chemical companies, brands, technology developers and researchers working on **smart textiles**.
- European technology **state-of-the-art and foresight** intelligence
- Better understanding of **business opportunities** in smart textiles value chain
- Possibility to shape a **technology roadmap** with impact on EU research funding
- Pole position in **accessing EU funding** opportunities for smart textiles projects
- **European visibility** for own technology competences or industrial capacities

## HOW MUCH DOES PARTICIPATION COSTS?

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.



[www.textile-platform.eu](http://www.textile-platform.eu)

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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.