

# European Technology Platform *for the future of* textiles *and* clothing



## European Technology Platform FUTURE EU PROGRAMMES OPPORTUNITIES

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Chairman of the Governing Council



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Platform  
*for the future of*  
textiles  
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clothing



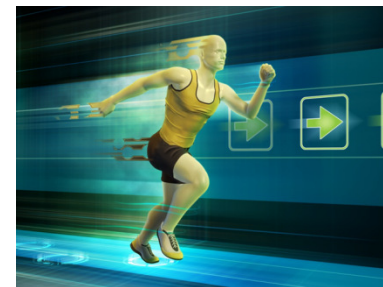
**1. HORIZON 2020 + COSME = Textile  
Research & Innovation Opportunities**



**2. How to make these programmes work  
for industrial textile research &  
innovation?**



**3. Making the European Textile  
Technology Platform fit for the Future**



# ETP - vision

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**The future of Europe's textile and clothing industry will be built on its existing strengths**

**(1)creativity in design and product development**

**(2)innovation in materials and processes**

**(3)flexibility in production and supply chain management**

**(4)quality of products and services.**

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# ETP - vision

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**The Technology Platform is based on three pillars, which at the same time represent the three crucial elements of a long-term VISION**

- **from commodities towards specialties**
  - **establishment and expansion of textiles in many sectors and application fields**
  - **customisation, personalisation, as well as flexible, on-demand production coupled with intelligent logistics, distribution and services.**
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# ETP – innovation elements

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Crucial industrial innovation elements:

(1) materials, processes and technology,

(2) products and markets

(3) organisation and management.

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# ETP - mission

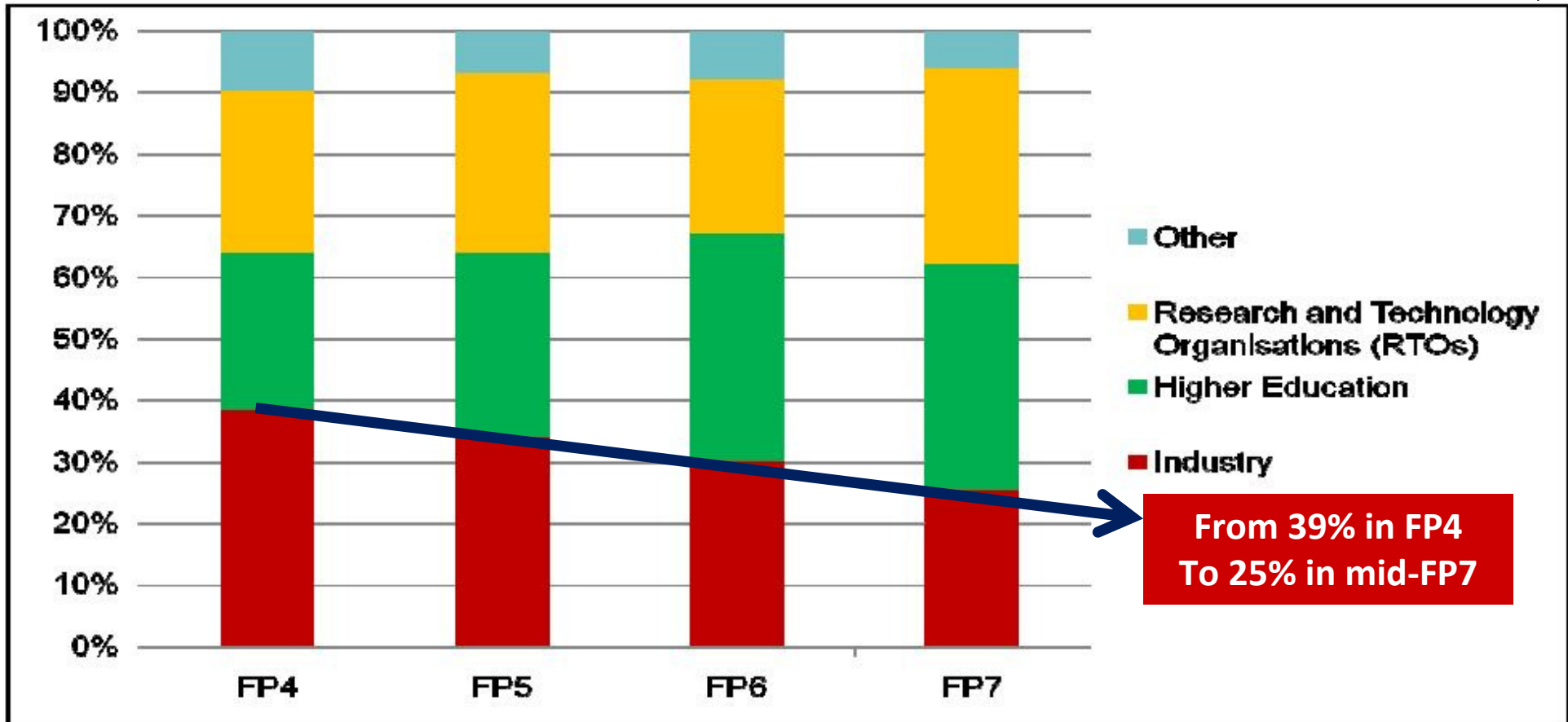
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- **Organization of an effective European-wide expert network**
  - **Definition of a common industrial strategies and implementation of a Strategic Research Agenda (SRA) within the textile sector and in cooperation with related industries.**
  - **Development of structures and measures to improve the overall research, development and innovation framework conditions of this industrial sector**
-

# Industry Participation

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Source: Interim Evaluation of the Seventh Framework Programme, Nov. 2010

# Industry Participation

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- Too much bureaucracy & too low success rates drive away industry
- Lack of participation by mid-cap companies (majority of FP7 industry participation comes from large companies, which fund their internal research departments and SME's, with often too little benefit)
- Too much top down (PPP/JTI) reduces SME & mid-cap industry participation

**Attract & fund excellent projects – not excellent proposals**





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# Textile Research & Innovation Opportunities

# HORIZON 2020 Structure

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## 3 Priorities (EC budget proposal €80 bn)

### Societal Challenges

- Health, demographics, well-being
- Food security & bio-resources
- Secure, clean & efficient energy
- Smart, green & integrated transport
- Resource-efficiency, climate, raw mat.
- Inclusive, innovative & secure society

€ 32 billion

### Leadership in enabling and industrial technologies

- (ICT, nanotechnologies, materials, biotechnology, manufacturing, space)
- Innovation in SMEs (incl. eco-innovation)
- Access to risk finance

€ 18 billion

### Excellence in the Science Base

- Frontier research (ERC & FET)
- Skills & career development (Marie Curie)
- Priority research infrastructures

€ 25 billion



# COSME Structure

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## 4 Key Actions (EC budget proposal €2.4 bn)

### Improving competitiveness of Enterprises

Incl. market replication projects  
for new business models  
in consumer goods industries

€ 384 million

### Promoting Entrepreneurship

Studies, campaigns, events

€ 87 million

### Improving SMEs access to Finance

Loans, loan guarantees,  
venture capital

€ 1.46 billion

### Improving access to markets

Enterprise Europe Network  
SME support on international markets

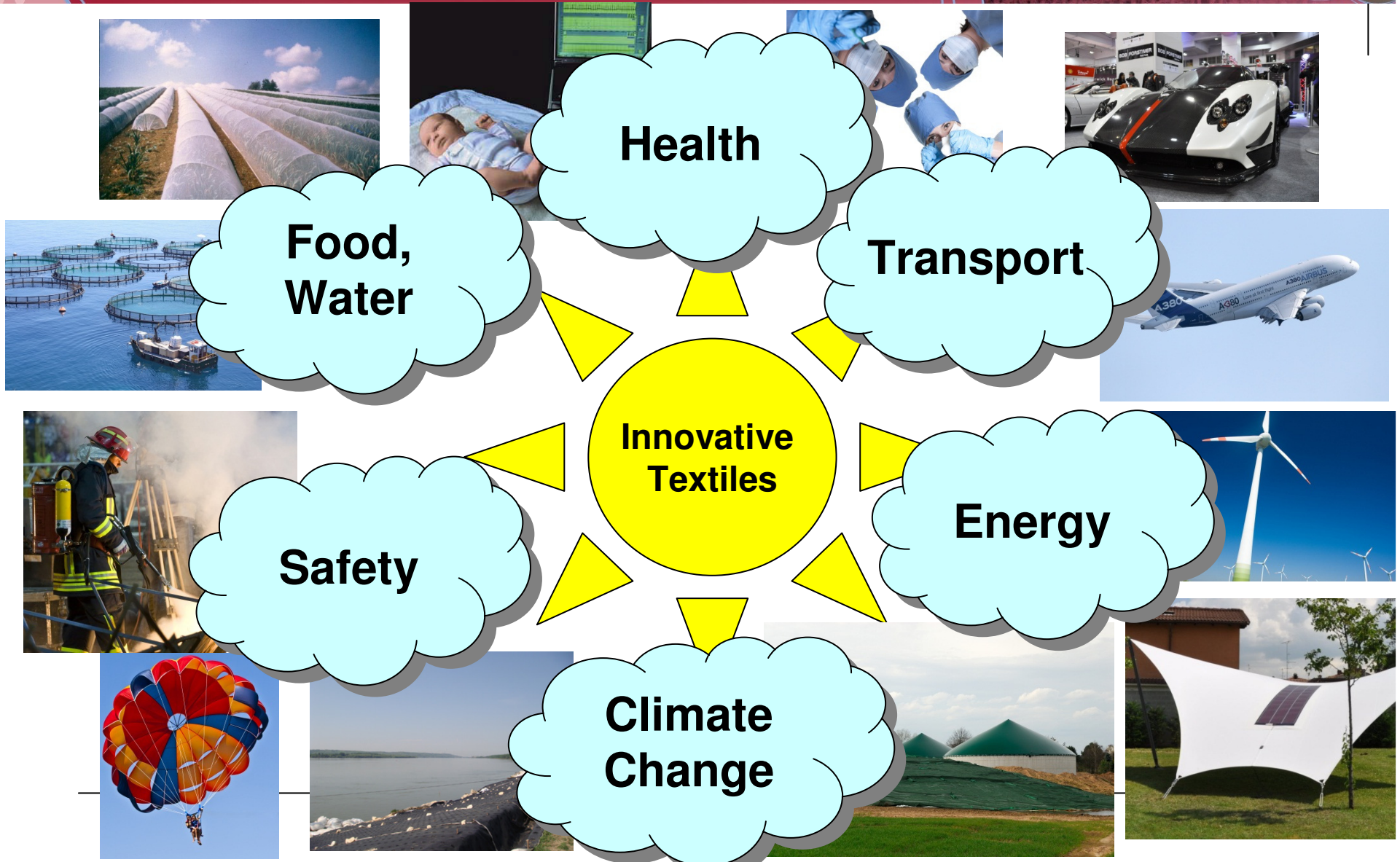
€ 535 million

**COSME**

Programme for the  
Competitiveness of  
Enterprises and SMEs  
2014-2020

# Societal Challenges – Textile Solutions

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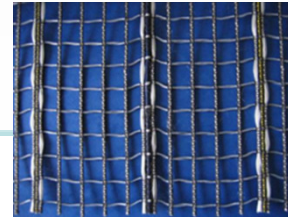
# Textile Materials & Technologies as Innovation Enablers in other Industries

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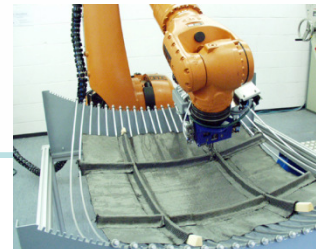
## Alternative Materials

- Light-weight, flexible, soft, (multi)functional, durable, energy-efficient in production, transport & use



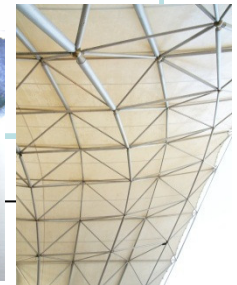
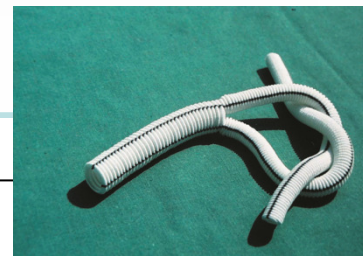
## New Technologies

- Flexible, continuous, versatile, energy & material efficient manufacturing processes



## Functional Components

- Reliable, multi-functional, cost-effective, user-friendly parts of larger technology systems & solutions



# Textile Materials & Technologies as Innovation Enablers in other Industries

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**Innovative Textile Materials & Technologies are at the origin of many, many innovations in virtually every sector and large end**

**market.**

**But we are usually at the early stages of value chains with limited control of end market developments.**

**Collaboration with value chain partners & end users is therefore the key for success.**

# Continuous Innovation in Textiles and Fashion

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## Technology Transfer

- Eco-innovation & resource efficiency, recycling
- Customer & market driven cross-sectoral innovation



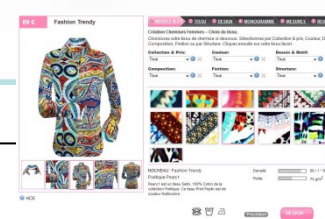
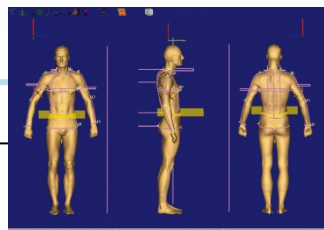
## Design & Creativity

- Non-technological innovation / user-driven and social innovation



## New Business Models

- Customisation & personalisation (for individuals, specific customer groups & new markets)
- Value chain management, logistics, value-added services, IT adoption



# Continuous Innovation in Textiles and Fashion

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**SME's in the textile and fashion business constantly invest in innovative products, processes, services and business models to always stay one step ahead of competition.**

**In this process they apply new technologies, knowledge & creativity.**

**This can be as risky and rewarding as technical R&D and merits public support.**

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# Realising Opportunities for Textile Research & Innovation

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- Collaboration with related ETP's & industrial sectors to develop joint roadmaps for Societal Challenges & Enabling Technologies
  - Make maximum use of SME research, innovation and competitiveness funding instruments, including pre-commercial public procurement
  - Develop our own strategic research & innovation activities (Textile Flagships) & pursue their implementation
  - Leverage EU, national & regional funds (ERA-Nets, Structural Funds ...)
-

# ETP Collaborations in Societal Challenges & Enabling Technologies

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Manufacturing technologies - Factories of the Future  
PPP



Advanced Materials – Alliance4Materials Initiative



Resource-efficiency & biotechnologies – SPIRE PPP  
(under preparation)



Construction - Energy-efficient buildings PPP



Nanotechnology – NanoFutures Initiative



Water – European Innovation Partnership on Water  
(under preparation)



European Consumer Goods Research Initiative



# HORIZON 2020/COSME

## How to make it work for textile research & innovation



# Key issues

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- **Raise industry & SME participation & benefit**
  - **Smaller projects, simpler administration**
  - **Not too much top down (PPP, EIP etc.) - more bottom up (thematic & open programmes)**
  - **Clear commitment to innovation support (not as by-product of research), incl. non-technological innovation**
  - **Combine EU/nat./reg. resources without complication**
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# SME Research

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- An EU-level SME Research Programme is needed
- Current EC proposal lacks clarity & ambition
- Projects with less academic leadership and more end user/customer involvement needed
- The **focus** should shift from research-intensive SME's to innovative (=research-absorbing) SME's. They are much higher in number & have a bigger economic impact.



**A new customer is more important than a research grant!  
But why not combine both!!!**

# The ideal SME Project

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- **3-6 partners: 1-2 knowledge/technology providers, 2-3 SME innovators (technology absorbers), 1-2 end users (private or public)**
- **Duration 18 months to 2 years, max. 6 months from submission to contract**
- **50% co-funding for innovators & commercial technology providers, 75% for non-profit R&D (<25% of project budget), small funding for end users**
- **Possibility of pre-project feasibility study & post-project demonstration/dissemination work**

**Small – Quick – Industry-like**



# Making the European Textile Technology Platform fit for the Future



# Key Objectives

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Continue effective **political lobby** work for EU research & innovation support programmes



Provide T/C industry & research community with **operational support** to make most of existing EU funding & networking opportunities



Initiate, drive & **implement major European-scale** research & innovation **actions**



Ensure optimal **results transfer to industry**



Carry out **image-improving actions**



# Action Plan 2012

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- **Agree on new ETP set-up with founder organisations (Euratex, Textranet, AUTEX) & start implementation**
  - **Support participation in last FP7 calls with TEPPIES & brokerage event(s)**
  - **Closely monitor & positively impact future EU R&D and Innovation Policy**
  - **Continue to develop cross-sector/platform collaborations**
  - **Initiate expert work on Textile Flagships**
  - **Organise ETTMa calls 2 & 3**
  - **Organise 1 large-scale thematic event (Innovation for resource efficiency in the T/C industry – late 2012)**
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# Key Messages

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- **HORIZON 2020 & COSME are full of opportunities for textile research & innovation, but we need to be smart to realise them – **cross-sector collaboration** is key!**
  - **EU SME Research must remain, but be improved to attract SMEs & fund the **right projects****
  - **The ETP is the tool to help the textile & clothing industry & research community succeed in EU Programmes **beyond 2013****
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**Thank you for your attention!**

**And this will not change...**

***The Future is...***

***... Textiles!***

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