

# context

1st CONFERENCE

**CONTEXT:**  
**why, who and how**

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Barcelona  
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Cost Action  
CA17107



# European Network to connect research and innovation efforts on advanced Smart Textiles

*A smart (or intelligent) textile material is a “functional textile material, which interacts actively with its environment, i.e. it responds or adapts to changes in the environment”*

Technical workgroup CEN/TC 248 Textiles and textile products, WG 31 Smart Textiles, on standardisation of smart textiles.

## Technologies

Smart materials  
Fibretronics  
  
Sensors  
Actuators

FoF  
Connected industry  
Additive  
manufacturing  
Integration of  
electronic  
  
Production

Signal processing  
Database  
transfer  
  
Datan

Flexible material  
Production of  
electricity  
  
Energy

Societal challenges  
  
Use

## Business

Markets  
  
Blue ocean  
Customers  
Added value

Innovation  
  
breakthrough  
open

Supply chain  
  
Partnership  
suppliers

Business  
model  
  
Database  
legislation  
Digitalisation

Use  
  
Customers  
Personalisation



## CONTEXT: Why

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- **Textile industry is experiencing a growing demand for high-tech materials**
- **There is the need to focus research to the market**
- **An open innovation approach is essential**

## CONTEXT: Why

We aim to join efforts at European level **to facilitate the market uptake of new advanced textile materials, reducing the gap between research and industry.**

This goal can only be achieved involving all the major stakeholders of the process: universities, technological centers, industry and end-users under the coordination from one of the main tools which contributes to the improvement of competitiveness and productivity of the different economic sectors in the European environment: **THE**

**CLUSTERS**

# CONTEXT: Who

## FACTS



- Led by clusters
- Set in the framework of COST PROGRAMME (European Cooperation in Science and Technology)
- 4 years
- 33 EU Countries / 3 Near Neighbour Countries / 1 International Partner Country
- Open to all professionals and organizations aiming to contribute to achieve its goal

# CONTEXT: Who



**COST MEMBER COUNTRIES:** Albania, Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Latvia, Lithuania, Malta, Montenegro, Netherlands, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, United Kingdom, fYR Macedonia.

**INTERNATIONAL PARTNERS:** Morocco, Jordan, Tunisia, Japan

# CONTEXT: How



**Joint research  
roadmap for the  
smart textiles**



**Transfer of  
knowledge**



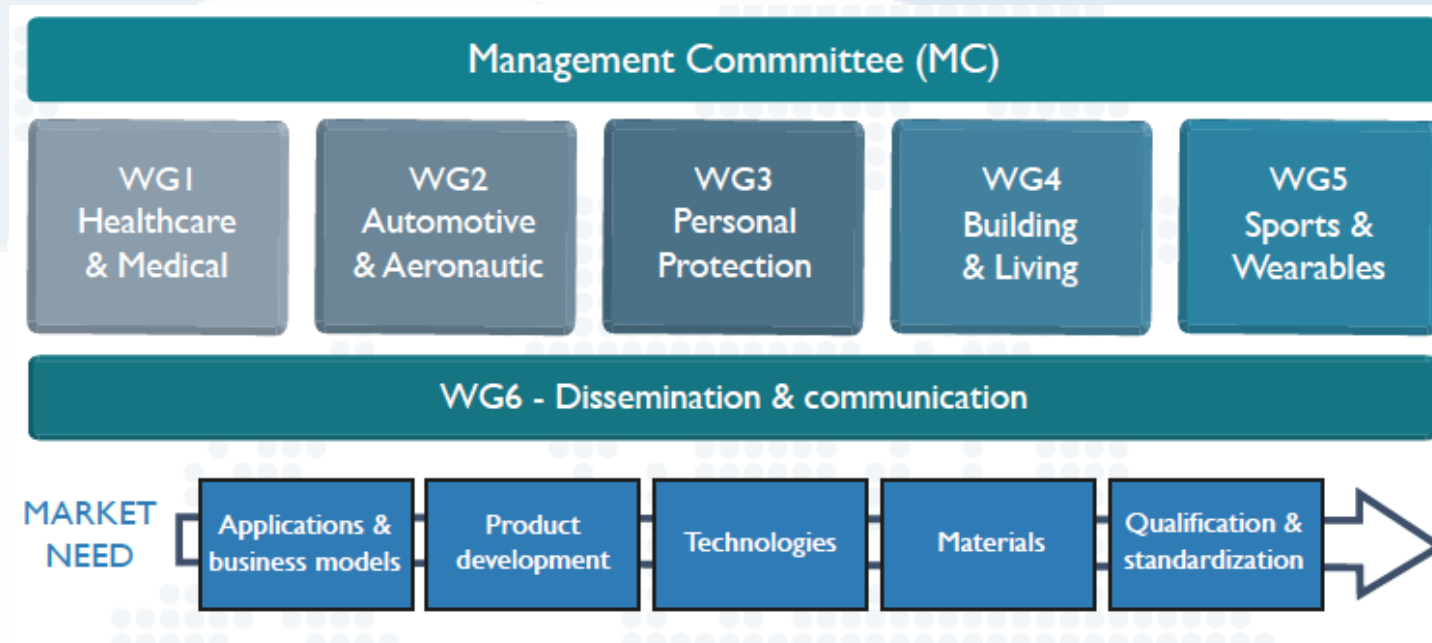
**Identify needs**



**Networking activities**



# CONTEXT: How – structuration of the project



## MARKET-PULL orientation

# CONTEXT: How

## HOW TO PARTICIPATE



Short Term  
Scientific Missions



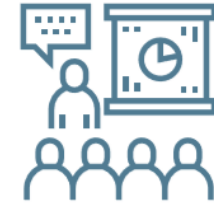
Training  
Schools



International  
Conferences



Working  
Groups



Thematic  
Workshops

<http://www.context-cost.eu/participate/>

# CONTEXT: *Short Term Scientific Missions*

- Support individual mobility or researchers
  - Foster collaborations
  - Foster transfer of knowledge
- Duration of the visit
  - 5 → 90 days
  - 91 → 180 days for early career investigators
- Applicants : researchers (PhD, postdoc,...)
  - Proposed topics based on thematics of working groups
- Next CONTEXT STSM call : May 2019 !

# CONTEXT: Training school

- Intensive training on emerging research topics
  - Dealing with a specific equipment,
  - Sharing expertise
- Duration of the program
  - 5 days → 3 weeks
- Applicants : all trainees from RTD organizations
- Next CONTEXT training school : *coming soon...*

# CONTEXT: International conferences

- Financial support for participation to conferences in COST countries
  - Transfer of knowledge
  - networking
- Applicants : Early career investigators with an oral/poster presentation accepted by the scientific committee of the conference
- Next CONTEXT Call for grants : May 2019

# CONTEXT: Thematic workshops

- Working group market-pull approach
  - Share knowledge between all stakeholders
  - Open meeting on a dedicated applicative sector
- Applicants : reseachers, industrials,...
- Next opportunity :
  - Associated to the iTechStyle Summit in Porto – April 2019
  - Dedicated to sport & wearables

# CONTEXT: Next event

## CONTEXT Thematic Workshop **Sport & Wearables**

Porto (Portugal)  
April 2019

iTechStyle Summit

<http://events.citeve.pt/event/itechstyle-summit-2019>

