

# WG5

## Smart Textiles in Sports and Wearables

Working Group Meeting  
20<sup>th</sup>-21<sup>st</sup> November 2019, Bursa / Turkey

### Topics of this meeting

- Improvement the state of the art report Smart Textiles in Sport and Wearables?
- What Actions should be initialized?
- **Discuss and develop project ideas**
  - o Quality and stability of the systems
  - o Energy harvesting
  - o Environment and sustainability
  - o Towards industry: from what happens in the school (research) to the industry
  - o Design
  - o Single topics that focus in different technological issues and functionalities

### State of art report 'Sports and Wearables':

- The report is in its final draft state. The purpose is to publish it on the Context website and to distribute to the Cost Action 17107 members. The report is a State of the Art report than a guideline.
  - o When contributing it is best to limit to own domains of expertise in Sports and Wearables.
- Distinguish between Wearables and Smart Textile, what is the unique selling point for Smart Textiles? Why have products not been accepted by users?
  - o Comfort
  - o Total Cost of Ownership
  - o Distinguish between professional and amateur sports (this is to be mentioned in introduction and conclusion)
  - o Support Systems for disabled people
  - o Exoskeleton
  - o Security & Performance
  - o RFID in Sportswear

- Sport specific problems in terms of washing will be added
  - o Sweat, undefined amateur washing, detergent, UV-Light drying,
- The need for adopting electronics components for Smart Textiles, and measuring socks/shoes to optimization of fit will be added
- Solutions for Energy supply (Storing, harvesting)

## Discussion on actual Projects:

- Matchmaking for research projects
  - o Speeddating (5 minutes introduction of individual topics)
- All possible Calls available (H2020, Eureka, Era-SME, ZIM (international))
  - o we will provide template for Project ideas which we will send as suggestion for Slovenia meeting to the chair of this action