

# DIGITEX

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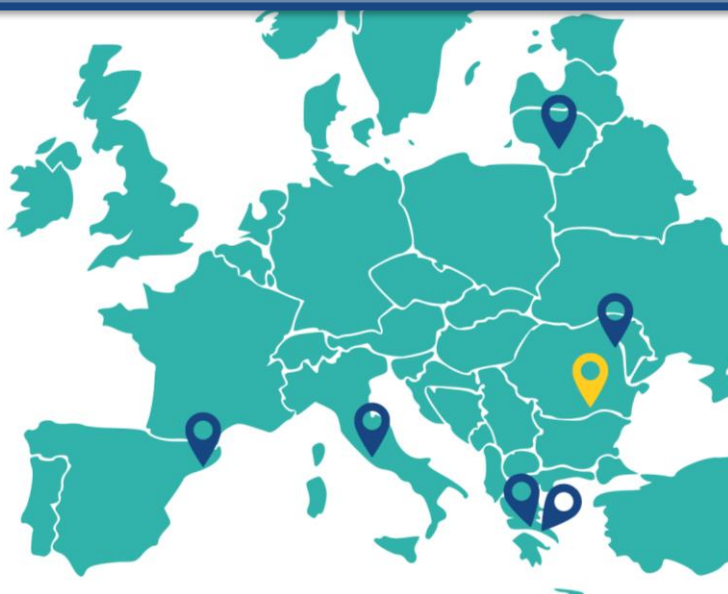
## BRIEF INTRODUCTION TO DIGITEX

The partnership is integrated by 7 institutions from 5 European countries (including a national research institute, universities, non-profit institutions, and clusters), who joined with the aim to implement the *“Textile digitalization based on digital education and innovative e-Tools”* project.

The **DigiTEX** project is a strategic partnership on the high education, co-funded by the European Commission by the Erasmus+ program.

The aim of the project is to **support innovative approaches and digital learning technologies to accelerate innovation, teaching and learning in the field of medical, protective, sensorial and smart textiles design testing and manufacturing of the innovative advanced products for healthcare** in the context of the digital economy.

## THE PARTNERSHIP



# EXPECTED RESULTS

**DIGITEX** project will generate the following transferable outputs:



An **e-learning platform** to host the project intellectual outputs and as a course management system (CMS) for interactive learning tools that will be developed for creating interactive learning activities.



A **Book** of 'Medical, sensorial and protective textiles development in the context of the European economy and digitalization'.



A **database** development - knowledge about medical, protective, sensorial and smart textiles.



A **book of best practices** 'Smart sensors based textiles from production management to end-user'.



A **virtual tools for training** - innovation boosting based on creative knowledge mapping.



A **toolkit** for accelerating innovation in medical, protective, sensorial and smart textiles based on creative methods.

## LAST NEWS

### Project Kick-off

The kick-off meeting of DigiTEX project was held virtually last May 12<sup>th</sup>. The meeting started with the introductions of the organizations in the consortium, highlighting their motivations and expectations for the project. Then, each Intellectual Output (IO) responsible presented the initial work plan and the main activities to be performed in the next months.



### DigiTEX website launch

DigiTEX Project website has been recently launched. Within its sections it is possible to identify key aspects and objectives of the project as well as some partnership details and the expected outputs to be generated by the project.



Textile digitalization based on digital education and innovative e-Tools

Digital learning technologies to accelerate innovation in the field of medical, protective, sensorial and smart textiles in the context of the digital economy.



DigiTEX project aims to support innovative approaches and digital learning technologies to accelerate innovation, teaching and learning in the field of medical, protective, sensorial and smart 3D-textiles design, testing and manufacturing of the innovative advanced products for healthcare protective equipment, wearable monitoring devices in the context of the digital economy.



Due to the fourth industrial revolution and internet of things (IoT) development, an attractive direction for textiles is the new concept of flexible wearable devices based textiles to be more comfortable and be easily worn.



DigiTEX partnership during the project kick-off virtual meeting



As part of the defined outputs of the project, the consortium will focus on specific objectives and educational actions, that will lead and enhance this innovation acceleration:

Virtual workshops and e-learning courses about electronics embedded into textiles.

Learn and teach about 3D prototyping for medical, protective, sensorial and smart textile for sensors and actuators

To study the context and the best practice for use, apply and recycle the materials used in medical textile devices, intelligent textile.

To study, learn and disseminate the aspects concerning the smart textile material performance, wearable devices



**More information:**

[www.e-digitex.eu](http://www.e-digitex.eu)

[twitter.com/DigiTEXProject](https://twitter.com/DigiTEXProject)

**#DIGITEXproject**



Erasmus+

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