



Focus

Project Development Workshop

On June 28, TECHTERA will reinforce the R & D work on the four joint projects with a Development Workshop, which will address the issues of the circular economy and the functions of textiles and flexible materials.

This is a unique opportunity to learn about the success of these projects, which will serve the needs of many applications.

- CIRCULAR ECONOMY

- The TECHNIMAT project: "Development of new technical materials by recycling textiles at the end of their service life"
- The ECO-CHARGES project: "Exploitation of used textiles made from cotton and cotton/polyester fabrics as reinforcement fillers in the formulation of innovative plastics"

- GIVING FUNCTIONS TO TEXTILES AND FLEXIBLE MATERIALS

- The FOMOTEX project: "Provide coatings, textile sub-layers and foams with improved barrier properties, through an innovative process of dry impregnation"
- The BATIR project: "Technologies and Industrial Atmospheric Plasma Reactors"

They are members

VirHealth



VirHealth, a young innovative firm in Lyon, develops and manufactures pioneering tests for evaluating the micro-biocidal activities of technological disinfection/decontamination solutions including chemical disinfectants. They also test functionalised surfaces and textiles, air-borne surface decontamination systems, decontamination technology for indoor air and depollution of water and effluents.

The firm has a range of standardised experimental procedures (ISO 18184, ISO 20743, ISO 13629-2 and ISO 20645) to determine micro-biocidal activities (virucidal, bactericidal and fungicidal); including the bacteriostatic activities of surfaces and functionalised textiles.

It also develops special innovative tests by creating multi-microorganism and multi-pollutant complex deposits. These are designed to mimic the dirt/clean properties of specific contaminated environments in line with real and actual conditions.

Website: <http://www.virhealth.fr>

Life of the cluster

➤ **Projects financed through the 21st FUI (French government fund)**

Three research and development projects approved by the TECHTERA cluster were selected in the 21st call for projects by the FUI:

- Development of safety structures to combat natural hazards (rock and soil)
- Development of multi-filaments based on new polymers with photo-luminescent, retro-reflective and chrome functions
- Development of VOC treatment solutions (Volatile Organic Compounds) to counteract smells and microorganisms and improve the quality of air inside cars

➤ **June 23: TECHTERA General Meeting, Campus ITECH - Ecully - 16:00 - 18:00**

The "Factory of the Future", or Industry 4.0 as it is called by Germany, is a recognised issue for all European states.

How should we tackle this aspect within firms: investment in equipment? How will skills be affected?

Or, as says M. Jourdain, is this merely a discussion without facts, in the textile sector, which is known for its resilience?

We invite you to discover the models predicted for the "Factory of the Future in 2040", at the **Techtera General Meeting**, to be held on **June 23, 2016** from 16:00 to 18:00 on the campus of ITECH (87 Chemin des Mouilles, Ecully).

➤ **June 28/29: FLAGSHIPS Brussels**

TECHTERA is taking part in the flagships of the European textile platform.

Six technological topics of interest, retained by the textile profession, to bring innovation to the textile industry and create future markets: smart & high performance materials, advanced manufacturing, high valued textile solutions, circular economy, smart textiles and digital printing.

Techtera

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