



## Edito

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### Heading into 2023! Best Wishes from the President – Philippe SANIAL!

On behalf of the whole Techtera team, we wish you a Wonderful and Happy New Year - as well as full personal, family and professional development.

We hope that 2023 brings new visions – as well as many opportunities at all levels.

We are going through a turbulent period with challenges to overcome, from which solutions will emerge that will help us all to grow.

With the environmental, energy and digital transition, this year 2023 will be marked by major challenges for our economic fabric and our textile companies. All these topics are part of Techtera's new strategic roadmap.

Techtera will continue its strategy, full of energy and fine projects, at the service of your companies and our industry.

## FOCUS

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### Techtera, partner european AlpTextyles project

The objective of **AlpTextyles** is to develop collaborative solutions for a heritage & consumer sensitive relocalization of sustainable, circular, and innovative Alpine textile value chains.

Textile value chains are amongst the most polluting industries, with a massive potential for CO2 reduction. When we approach the **rich textile heritage of the Alps**, we see it brimming with specific aesthetics and know-how based on values of circularity and sensitivity to local resources.

So, as consumers grow increasingly critical of globalized value chains and turn to more sustainable lifestyles, the Alpine heritage could contribute to re-territorialize the local textile value chains disrupted by global sourcing and offshore production while boosting natural local resources and projecting an attractive image that justifies the price point of Alpine products.

With its 12 partner organizations from 5 Alpine countries, AlpTextyles gathers precious textile ecosystems to create a common ground of expertise in research and innovation, foster regional development and job creation, and safeguard cultural heritage and circularity.

During its 3-years implementation, the project will:

- **Map** the Alpine textile heritage and circularity
- **Test and evaluate** heritage-sensitive circular solutions
- **Transfer** solutions into the textile ecosystem

AlpTextyles is co-funded by the European Union, within the frame of the [Interreg Alpine Space](#) 2021-2027 programme. The official kick-off will take place in Ljubljana, in January 2023.



Co-funded by  
the European Union

**Project website:** <https://www.alpine-space.eu/project/alptextyles/>

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## They are new members

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### CLIM8

Founded in Lyon in 2016, clim8 provides **high-end, made-to-measure thermoregulation technology, dedicated to smart clothing.**

Benefiting from solid expertise in **thermo-physiology, IoT and electronic textiles**, the clim8 team pushes design and test conditions to the extreme – to provide **durable and high-quality heated clothing.**

Designed in close collaboration with premium brands, and leader in their market, products incorporating **the clim8® technology detect and react to the human body in real time.** So, there are different glove models designed for different uses.

Automatically activated when they detect your body, clim8® products include numerous sensors, whose results are analysed in real time by a processor integrated into the garment. A thermal response, 100% adapted to your needs, is then immediately provided. This information is in line with your profile (age, gender, sensitivity to cold, etc), your activity (motorcycling, skiing, etc) and the temperature.

All these products can be calibrated, controlled and personalised in the clim8® application. If you forget your smartphone at home, the clim8® heating system is 100% autonomous and will work with the last settings saved.

**Website:** <https://myclim8.com/fr/>



## AKTID

AKTID is a French small/medium enterprise **specialising in the design and construction of turnkey solid waste sorting and recovery facilities**. For all types of solid waste: household waste, industrial waste, building waste; also, recycling plastic.

It is also an **expert in the manufacture of units for the creation of solid recovered fuels**.

The turnkey systems developed by AKTID come in all sizes, from the simplest to the most complex. They are aimed at independent operators as well as large groups and local authorities.

AKTID constantly invests in innovation; to provide the most suitable systems for the specific challenges of each of its clients.

With approximately **150 installations set up over almost 30 years**, the AKTID company has gradually become the French benchmark for sorting centres.

**Website:** <https://www.aktid.fr/>

## Your appointments with the cluster

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### January 23, 2023: Launching the AlpTextyles project

The launch of the **AlpTextyles** project will be preceded by an event open to the public and the press. This is in order to present the context and challenges of the project over the next 3 years.

This morning event will include a round table to discuss the project; with the participation of the partners responsible for the main strategies of AlpTextyles.

Participation is open and free of charge, either on site in Ljubljana or remotely via a live broadcast on YouTube.

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### January 28- February 2, 2023: Security and Defence trade mission in Indonésia - EU-ALLIANCE - JARKARTA - INDONESIA

As part of the **EU-ALLIANCE** European project, Techtera supports its members in a **Defence and Security mission to Indonesia**.

**Replay of the webinar :** [here](#)

**On the mission's programme:**

- Official reception
- Meeting with market experts
- Matchmaking events, B2B meetings
- Pitch in front of contractors

The aim of this **European mission** is to open as many doors as possible with institutions, contractors and manufacturers, in order to make relevant contacts and understand the organisation of the Indonesian security and defence market.

**The objective of the [EU-ALLIANCE](#)** project is to support the internationalisation of European SMEs in technical textiles, connectivity, advanced technologies and advanced materials. The project targets in particular the dual-use (civil and military) security and defence markets in four countries: the United States, Canada, Japan and Indonesia.

*Programme co-financed by the European Union's COSME programme.*



Co-funded by the COSME programme  
of the European Union

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## **February 15, 2023: Business culture in Japan – Webinar (10h-11h30)**

As part of the [EU-ALLIANCE](#) and [REC-N-COMP](#) European projects, Techtera members are invited to a webinar devoted to the **cultural specificities of the Japanese business community**. It will be presented in English, by an expert from the “EU-Japan Center for Industrial Cooperation”, a centre for industrial cooperation between Europe and Japan.

### **On the programme:**

- Decision-making process in Japan – resulting time and effort
- Long-term orientation and building trust
- Good communication practices
- Selection of products and services needed in Japan
- “What to do and What not to do” in Japan.

Registration is free but essential. It is reserved for members of Techtera, and members of partner clusters – Also, clusters of EU-ALLIANCE and REC-N-COMP projects.

**Registration:** [here](#)

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## **March 7-9, 2023 : Clusters meet Regions (In partnership with CIMES and Polymeris) – LYON – FRANCE**

As part of the “**Clusters meet Regions**” initiative, Techtera, with the CIMES and Polymeris clusters, is co-organising a 3-day European networking and conference event. It will mainly concern clusters, innovation clusters, regions and other public bodies; plus, representatives of European industrial networks. Among other things, *pitch & networking sessions* and conferences will be held concerning European collaboration between clusters and regions. More details to come.

This event will be held on the sidelines of the “Global Industries” show, the largest French showcase for industrial innovation. This year, the show will take place in Lyon.

The aim of the “Clusters meet Regions” initiative is to facilitate the implementation of good practices by innovation clusters and clusters playing an active role in regional economies as drivers of economic transition. These events also make it possible to create and promote collaboration between clusters and regional bodies working for the industrial development of the regions.

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## **March 14 -17, 2023: Security and Defence trade mission in JAPAN – EU-ALLIANCE - TOKYO - JAPAN**

As part of the [EU-ALLIANCE](#) European project, Techtera supports its members during a **Defence and Security mission to Japan during the DSEI JAPAN exhibition. It is the only fully-integrated defence event taking place in Japan; offering market access opportunities into Japan and Asia-Pacific.**

This exploratory mission will also be an opportunity to meet many groups, including institutions such as [METI](#) (Ministry of Economy, Trade and Industry) as well as [JCFA](#) (Japan Chemical Fiber Association) and their networks of partners and companies; during **B2B meetings, time dedicated to networking, and site visits.**



Co-funded by the COSME programme  
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## **March 15-16, 2023: PERFORMANCE DAYS exhibition (Textile for sport) - MUNICH – GERMANY**

Performance Days is the trade fair dedicated to textiles for applications in the sports sector. With its particular focus on sustainability, it has established itself as the major event in the sector.

Present alongside six French companies in November, Techtera is once again supporting its members during the spring edition.

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## **March 22-23, 2023: Congress - Polymer materials in sports and leisure - VILLENEUVE D’ASQ**

[SFIP](#) – French Company of Plastics Engineers, [CNEP](#) (National Photoprotection Evaluation Centre), [DECATHLON](#), [TECHTERA](#) and [OSV](#) (Outdoor Sports Valley), with the support of [PLASTICS EUROPE](#) & [POLYMERIS](#), are organising a congress in March 2023; dedicated to the application of polymer materials for sport and leisure activities.

### **Four themes on the programme:**

- **Trends:** Mass customisation, Sport & Disability, E-sport
- **Regulations:** Extended producer responsibility (EPR) and environmental issues
- **Innovation in Materials and Processes:** Raw materials, Connected materials, Advanced manufacturing, 3D printing, Performance

- **Sustainable development:** Sustainability, Recycling, Lighter weight, Life Cycle Analysis (LCA), Eco-design, Relocation

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## **March 20-24, 2023: Closing conference of the CONTEXT network - FLORENCE – ITALY**

The “CONTEXT” European network concerning smart textiles brings together experts from 35 different countries, all associated with the world of **smart textiles, connected wearables and other applications**.

Supported by Europe for five years, the network has generated “States-of-the-Art”, exchanges, partnerships and projects - both academically and industrially.

The closing conference will be an opportunity to take stock of this action; to present demonstrators and continue to fuel discussions on the subject of smart textiles, in order to prepare future European projects.

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## **April 25-27, 2023: JEC WORD exhibition (Composites) - Parc des expositions PARIS NORD VILLEPINTE - FRANCE**

JEC WORLD is the international exhibition that brings together the **worldwide composites industry, offering users a complete overview of processes, new materials and dedicated systems**.

In 2019, this unique event drew more than 1,300 exhibitors and 43,500 visitors over the three days of the show; thus, giving exhibitors the opportunity to develop their network by showcasing their know-how to clients. Despite the pandemic, the event was able to be held in a hybrid format in 2022, and drew 32,000 visitors from 115 countries and 1,200 exhibitors including 26 international pavilions.

As part of the 2023 edition, the [Techtera](#), [Axelera](#), [Polyméris](#) and [CIMES](#) innovation clusters will support French companies **on a joint regional stand, under the “Auvergne-Rhône-Alpes Composites” banner**.

*This action benefits from the help of Rhône-Alpes Region.*

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## **Mai 9-12, 2023: Techtexil North America & Technical textiles mission in United States - TEXGLOBAL – NORTH CAROLINA / GEORGIA – UNITED-STATES**

As part of the European **TEXGLOBAL** project, Techtera invites you to participate in a dedicated textile mission to the United States – from May 8 to 12, 2023.

It will take place between Raleigh (North Carolina) and Atlanta (Georgia) in order to offer you a wide panorama of a very dynamic region for the industry, both in terms of technology and market.

You will thus join a delegation of European textile companies and be able to discover, or deepen your knowledge of, the American market for technical textiles.

### **On the programme (being finalised):**

- Visit to **Techtextil North America** and B2B meetings on site: major event for the technical textiles and nonwovens industry. The show brings together all those involved in the value chain (R&D, production of raw materials and production process – right up to recycling).
- Site visits in Georgia and North Carolina: **Georgia Institute of Technology, NC Wilson College of Textiles, Clemson University** ...

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### **Mai 15-19, 2023: Exploratory mission dedicated to composites based on recycled materials in Japan – REC-N-COMP – TOKYO / OSAKA - JAPAN**

As part of the European **REC-N-COMP** project, Techtera is organising an exploratory mission to Japan for companies active in the **sector of composites based on recycled materials, in particular textiles and sustainable composites** in general.

The programme will consist of **visits to partners and Japanese companies, over one week, between Tokyo and Osaka.**

The delegation will also visit the “Highly-functional Material Week” in Osaka. This meeting brings together several exhibitions, including the “Sustainable Materials Expo” devoted in particular to advanced recycled and biosourced materials, and “Plastic Japan” focused on plastics and composites.

The mission is open to member companies that are REC-N-COMP project partners, including Techtera.

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### **June 8-14, 2023: ITMA 2023 - Textile Technology Event - MILAN - ITALY**

For the second time, Techtera will be a partner of ITMA, an event held every four years, dedicated to **machines and technologies for textiles and clothing.**

With a global audience welcoming key decision makers from the **world's largest textile and clothing producers and owners of major brands**, ITMA is the place to meet suppliers of textile technology systems and equipment. It is also the place to gather market intelligence and forge partnerships.

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# Life of the members

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## Business convention for the climate: Boldoduc in the starting blocks for 2023

The objective over the last 10 years, which the three management generations of the Boldoduc Group have set themselves, is to implement an ambitious low-carbon and reconnection-to-life strategy; in order to become a “regenerative” company in 2030.

In 2023, the 350 employees of the French and Tunisian units are committed to actively participating in the Business Convention for the Climate, alongside twelve other firms in the Lyon area.

The stated ambitions of Boldoduc and its subsidiaries are to continue reducing, recycling and recovering 100% of their waste, to reduce their carbon energy consumption by 70% and to reduce their need for oil chemical resources by 50%. Thereby eliminating the potential impact of their activities on the natural environment.

**Website:** <https://www.boldoduc.fr/>



## ITA launches a new call for proposals for “BIOTEXFUTURE” projects

ITA, the Institute for Technical Textiles, based in Aachen, Germany, is launching a new call for project proposals “BIOTEXFUTURE” to fund projects that would **convert the textile value chain from petroleum-based to bio-based**.

**BIOTEXFUTURE addresses four application fields:** Technical textiles, automotive, clothing, and house and home.

**This call is open to projects that address the following research areas:**

- Substrate/material development
- Technical product and process development
- Textile finishing
- Societal transition towards bioeconomy
- Textile circular economy

**Several deadlines for project submission:**

- A 2-page draft project: between 15 January and 15 October 2023.
- A full proposal: between 31 January and 30 October 2023. More information on the different deadlines and expected proposals can be found on the website. For any questions, please contact Melina Sachtleben ([melina.sachtleben@ita.rwth-aachen.de](mailto:melina.sachtleben@ita.rwth-aachen.de)) or Anna Bruder ([anna.bruder@adidas.com](mailto:anna.bruder@adidas.com)).

**Website:** [here](#)



# Calls for projects

## EUROPEAN AND INTERNATIONAL CALLS FOR PROJECTS

LIFE Programm - *More information:* [here](#)

Horizon Europe - *More information:* [here](#)

European Defence Fund - *More information:* [here](#)

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## CART'TEX

### Call for applications for the CART'TEX chart (reserved for TECHTERA members)

Textile companies wishing to join "CART'TEX", the chart of textile skills created by TECHTERA, can make themselves known to Bruno MOUGIN.

**The CART'TEX database is the daily tool of the cluster for managing the search for partners for all projects, and for the response to business opportunities.**

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