

4. European industry and research exchange on

Biobased fibres and recycling materials for Technical Textile processes and applications.

11 and 12 March 2021, online event

09:00 to 15:00	Day One – 11 March 2021
09:00	Login and technical checkup
	Opening and welcome by the organizer Markus Regenstein , Chairman Technical Textiles department and board member at IVGT e.V., CEO Penn Textiles Solutions, Germany
09:15	Keynote: Research for Recycling and biobased materials in the EU. Lutz Walter , The European Technology Platform for the Future of Textiles and Clothing (ETP), Belgium

You can enter questions in the chat that will be put to the speakers in the Q&A at the end of each session. Video and Microphone will be switched off during the presentations.

Session 1	Update on EU Research and Projects Chair: Lutz Walter The European Technology Platform for the Future of Textiles and Clothing (ETP), EU
09:30	TexPlus – a regional full ecosystem for circular textiles. Jan Mahy , Saxion University of Applied Science, The Netherlands
09:45	The H2020 project DECOAT focusses on removal of coatings/pains from textiles and plastics substrates, enabling circular use. Ine De Vilder , CENTEXBEL, Belgium
10:00	The HEREWEAR project aim to develop a holistic, systemic approach towards the creation of an EU market for locally produced circular textiles and clothing made from bio-based waste. Laetitia Forst , University of the Arts London, United Kingdom

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10:15	Aspects regarding designing of woven structures for new footwear product based on 100% recycled fibers the LIFE - REWEART project. Angela Dorogan , The National R&D Institute for Textile and Leather, Romania
10:30	Session 1: Questions – Answers – Chair: Lutz Walter Jan Mahy, Ine De Vilder, Laetitia Forst, Angela Dorogan

Session 2	Biobased materials, fibres and solution for composites Chair: Kris Vermoesen , Fedustria – Belgische federatie van de textiel, haut- en meubelindustrie, Belgium
11:00	Measuring environmental performance of both recyclates and bio-based materials is a key driver of sustainability. Marco De Silvestri , Radici Group, Italy
11:15	Bio-based fibre reinforced plastics. Frederik Goethals , Centexbel, Belgium
11:30	The development of Raytent through the application of the Ecotec® process. Giovanni Marchi, Annalisa Garizio , Marchi & Fildi S.p.a - Filidea S.r.l, Italy
11:45	Development of a bio-based and recyclable polyester fiber made from PEF. Martin Dauner , DITF Denkendorf, Germany
12:00	Production of eco-friendly banana bast fiber / PLA consolidated composite from hybrid nonwoven for automotive applications. Anne Hennig , Institut für Textiltechnik der RWTH Aachen University (ITA), Germany

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12:15	Session 2: Questions – Answers – Chair: Kris Vermoesen Mteresa Betti, Frederik Goethals, Giovanni Marchi, Annalisa Garizio, Martin Dauner, Anne Hennig
Session 3	Future Techniques and challenges for recycling Chair: Enrico Venturini , context – European Network to connect research and innovation efforts on advanced Smart Textiles, EU
13:00	Closed loop workwear recycling. Jens Oelerich , Saxion University of Applied Science, The Netherlands
13:15	Machine parameters for packaging nets made of biodegradable film tapes. Lisa Marie Bahr , Hochschule Niederrhein - Forschungsinstitut für Textil und Bekleidung, Germany
13:30	Novel tape structure based on recycle carbon and polyamide fibers for high performance fiber reinforced plastics. Muhammad Furqan Khurshid , Institute of Textile Machinery and High Performance Material Technology, TU Dresden, Germany
13:45	Smart Textiles - Challenges and Possibilities for Recycling. Johannes Leis , Sächsisches Textilforschungsinstitut e. V., Germany
14:00	Session 3: Questions – Answers – Chair: Enrico Venturini Jens Oelerich, Lisa Marie Bahr, Muhammad Furqan Khurshid, Johannes Leis
14:30	Summary and reviews - End of Day One Stefan Schmidt , IVGT e.V. - Germany

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09:00 to 15:00	Day Two – 12 March 2021
09:00	Login and technical checkup
	Opening and welcome by the organizer Michael Pöhlig , Managing Director IVGT e.V. - Germany
09:15	Keynote: Research for Recycling and biobased materials as driver for new developments in Germany and in Europe. Johannes Diebel , Forschungskuratorium Textil e.V. (FKT), Germany

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Session 4	Natural Fibres in Technical Textiles for the circular economy Chair: Johannes Diebel , Forschungskuratorium Textil e.V., Germany
09:30	Hemp as a driver of circularity in technical textiles. Alexandra De Raeve , FTILab+ (HOOGENT University of applied sciences), Belgium
09:45	Influence of the time of alkaline delignification on moisture uptake behaviour of hemp. Gabriela Mijas , Terrassa Institute of Textile Research and Industrial Cooperation (INTEXTER), Universitat Politècnica de Catalunya (UPC), Spain
10:00	Creation of Robust Circular economy; utilization of banana pseudostem as textile fibre and innovative products. P. Suresh Kumar , Indian Council of Agricultural Research - National Research Centre for Banana, India

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10:15	Natural fibrous reinforcement based on sisal and flax fibers for composite materials. Francois Boussu , ENSAIT/GEMTEX, France
10:30	Session 4: Questions – Answers – Chair: Johannes Diebel Alexandra De Raeve, Gabriela Mijas, P. Suresh Kumar, Francois Boussu

Session 5	Advanced biobased fibres and finishes Chair: Aldo Tempesti , TexClubTec and Sistema Moda Italia – Federazione Tessile e Moda (SMI), Italy
11:00	Melt Spinning of Bacterial Polyesters. Aybige Akdag , Bursa Uludag University & KORTEKS, Turkey
11:15	Latest developments based on PLA (Polylactic acid) for textile applications. Laurent B�elard , NaturePlast, France
11:30	Recycled PVB - An Alternative Coating for Textiles. Rike Brendgen , Forschungsinstitut f�ur Textil und Bekleidung (FTB), Germany
11:45	TPU Evolution and our green choice: the solvent free, water-free technology polyurethane yarn and our commitment towards the environment. Mazzoleni Gianluigi, Cristina Parimbelli , COATYARN srl, Italy
12:00	Biopolymer Fibers derived by HighPerCell® Technology. Marc Philip Vocht , DITF Denkendorf, Germany

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12:15	Session 5: Questions – Answers – Chair: Aldo Tempesti Aybige Akdag, Laurent Bélard, Rike Brendgen, Mazzoleni Gianluigi, Marc Philip Vocht
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Session 6	Biobased materials and recycling of Technical Textiles Chair: Karine Wallois, Clubtex, France
13:00	From agricultural waste to textiles: A research project to transform peach residues to sustainable textiles. Sofia Plakantonaki (Faye), Georgios Priniotakis , Department of Industrial Design and Production Engineering - School of Engineering - University of West Attica, Greece
13:15	Mechanical recycling of surgical facemasks into bio-based composites for automotive applications. Philippe Vroman , GEMTEX laboratory, ENSAIT, France
13:30	Geotextiles made of textile waste - regional value chains creation. Edyta Sulak, Anetta Walawska , Łukasiewicz Research Network - Textile Research Institute, Poland
13:45	Toward Bio-based Filter Media: Assessment of the Durability of Polylactide Fibers under Application Conditions. Christina Schippers , DTNW gGmbH, Germany
14:00	Session 6: Questions – Answers – Chair: Karine Wallois Sofia Plakantonaki (Faye), Georgios Prinuotakis, Philippe Vroman, Edyta Sulak, Anetta Walawska, Christina Schippers
14:30	Summary and End of Day Two and End of the Event 2021

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For registration and additional information for the login to the digital conference room, as well as access to the download of the presentation after the event visit:

Registration:

<https://www.eutt.net>



The Associations involved in the 2021 event on Technical Textiles are:

www.clubtex.com
www.context-cost.eu
www.eu-textile2030.eu
www.fedustria.be
www.ivgt.de
www.sistemamodaitalia.com
www.texclubtec.com
www.textile-platform.eu
www.textilforschung.de

Contact Information of the speaker will be made available after the event on EUTT.net

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