

874137 — EXTRATEX — COS-CLUSTER-2018-03-02

“European TEXTile-TRANsport-Sustainability paradigm for industrial clusters EXcellence in cross-sector innovation — EXTRATEX”

Purpose: Implement strategic partnership and join collaboration initiatives for mutual transfer of knowledge.

Duration: 02/2020-02/2022



INVITATION

to the EXTRATEX Virtual ClusterXchange

Slovakia has significant concentrated technologies linked to production of cars...and everything revolves around it...from development of new materials to recycling. But not only with the automotive industry, the plastics processing industry has a cross-cutting existence. There are many other applications...

Take part at Cluster eXchange program to better connect unique specifics Europe's industrial ecosystems through short-term virtual visits and B2B negotiations!

Focus area: new materials, advanced plastic processing, cross-sector exploitation

Host: Slovak Plastic Cluster

Visitors (invited participants):

- Cluster organizations
- SMEs representatives
- Scaling-up support organizations other than SME
- partner of EXTRATEX consortium

REGISTRATION

[REGISTRATION FORM \(click here\)](#)

Registration by 1st February 2021

Contacts: Jan Vaclav, +421-905 503 298, e-mail: sopkrktn@sopk.sk

Communication language: English

PLASTICS AND CIRCULAR ECONOMICS

Date: 2nd February 2021

Biodegradable plastics

Content of presentations: Introduction of biodegradable material developed in the Slovak Republic, overview of information from material testing through various plastics processing technologies, presentation of the concept of material production and recycling, experience from cooperation with creative industries, examples from pilot testing in primary school cafeteria, cooperation opportunities.

Moderated by Prof. Ing. Ivan Hudec, PhD.

09:00 – 09:30 am	Virtual welcome coffee – Introduction to the agenda for the day
09:30 – 10:10 am	Biodegradable plastics in the circular economy – technical and ecological aspects – prof. Ing. Pavol Alexy, PhD.
10:10 – 10:25 am	<i>Questions & Answers</i>
10:25 – 10:40 am	Biodegradable and biobased blends PLA/PHB/TPS for blown films Lucia Danišová
10:40 – 10:55 am	Biodegradable and biobased blends PLA/PHB/TPS for injection molding Elena Medlenová
10:55 – 11:05 am	<i>Questions & Answers</i>
11:05 – 11:35 am	<i>Break</i>
11:35 – 11:55 am	The effect of multiple processing on degradation of biodegradable polymer blends based on PLA and PHB Ing. Roderik Plavec, PhD., Slávka Hlaváčiková
11:55 – 12:05 pm	<i>Questions & Answers</i>
12:05 – 12:35 pm	Process of production and commercialization of Slovak bioplastic Nonoilen – PANARA, s.r.o.
12:35 – 12:45 pm	<i>Questions & Answers</i>
12:45 – 1:45 pm	<i>Lunch Break</i>
1:45 – 2:15 pm	Experience of using new material – CHEMOSVIT FOLIE s.r.o.

2:15 – 2:25 pm	<i>Questions & Answers</i>
2:25 – 2:55 pm	Practical experience with NONOILEN material and production of plastic parts by injection molding, injection-blow molding and thermoforming technology comparison with conventional plastics, KMS-PT, s.r.o.
2:55 – 3:05 pm	<i>Questions & Answers</i>
3:05 – 3:20 pm	<i>Coffee Break</i>
3:20 – 3:45 pm	Conclusion. Summary of possibilities of cooperation within the Slovak Republic and abroad in the field of biodegradable materials (NONOILEN) – Slovak Product.
3:45 – 4:00 pm	Enterprise Europe Network (EEN), Helping companies innovate and grow internationally, Ing. Ján Václav



ORGANIZATION'S PROFILES

- **STU** (Faculty of Chemical and Food Technology, Slovak University of Technology in Bratislava)
https://www.stuba.sk/english.html?page_id=132 **CEPOMA** (Center for Applied Research of Environmentally Suitable Polymer Materials CEPOMA - part of the Institute of Natural and Synthetic Polymers)
<http://www.cepoma.sk/>
- **CHEMOSVIT-FOLIE s.r.o** – leading packaging converter in Central & Eastern Europe with Head office in Svit, Slovakia and Sales Office in Germany and Ukraine
<https://www.chemosvitfolie.com> - company profile in the attachment
- **PANARA s.r.o.** - NONOILEN represents only realistic solution of full ecological utilization of plastics in whole life cycle from plastics production to waste management
<https://panaraplast.com/en/> - company profile in the attachment
- **KMS-PT, s.r.o.** (tool shop and mold production)
<https://kms-pt.sk/> - company profile in the attachment

INTER-SECTORAL COOPERATION 1 – VIRTUAL VISITS

Date: 3rd of March 2021 - MORNING

Moderated by Prof. Ing. Ivan Hudec, PhD.

09:00 – 09:30 am	Virtual welcome coffee – Introduction to the agenda for the day
09:30 – 10:00 am	Presentation of SPK and presentation of the main activities and goals of the EXTRATEX project
10:00 – 10:20 am	Historical cross-section of the plastics processing industry in the Slovak Republic and the present - a strong connection to the automotive industry
10:20 – 11:10 am	Virtual visit to the guest company PR Krajne, s.r.o. - concept combining the automotive, textile and plastics industries - the STERED® product
11:10 – 11:20 am	<i>Questions & Answers</i>
11:20 – 11:30 am	<i>Coffee Break</i>
11:30 – 12:10 pm	Virtual visit to the guest SME Research Institute of Chemical Fibers (Research Institute for Man-Made Fibers, JSC) - Progressive modifications of polymer-based products (fibers, films & plastics) and innovative technological solutions for a wide range of final applications
12:10 – 12:30 pm	<i>Questions & Answers & Wrap-up</i>

INTER-SECTORAL COOPERATION 1 – BROKERAGE

Date: 3rd of March 2021 - AFTERNOON

B2Match platform link to be communicated

14:00 – 17:00 am	B2B meetings, C2C meetings <i>This sessions will allow SMEs and scaling up organisations to meet face to face the Slovak companies and institutes. Organisations from European regions, other than Slovak, can meet as well.</i>
17:00	<i>End of the day</i>

INTERSECTORAL COOPERATION 2 – VIRTUAL VISITS

Date: 10th of March 2021 - MORNING

Moderated by Prof. Ing. Ivan Hudec, PhD.

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|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 09:00 – 09:30 am | Virtual welcome coffee – Introduction to the agenda for the day |
| 09:30 – 09:40 am | Presentation of SPK and presentation of the main activities and goals of the EXTRATEX project |
| 09:40 – 10:30 am | The concept of appropriate recycling - Virtual visit to the guest company Chemosvit Fibrochem, s.r.o. where polypropylene products for different applications represent the core business. |
| 10:30 – 10:40 am | <i>Questions & Answers</i> |
| 10:40 – 10:50 am | <i>Coffee Break</i> |
| 10:50 – 11:30 am | Virtual visit to the guest company SK TEX, s.r.o. - fibers with special modifications for the automotive and furniture industry (non-flammable, antifungal and water-repellent modifications). Since 2010, it has been producing insulation for buildings and vehicles from recycled textile fibers.
<i>Questions & Answers</i> |
| 11:30 – 12:00 am | Nanocomposites - a new antibacterial polymeric material - Polymer Institute of Slovak Academy of Sciences |
| 12:00 – 12:30 pm | <i>Questions & Answers & Wrap-up</i> |

INTER-SECTORAL COOPERATION 2 – BROKERAGE

Date: 10th of March 2021 - AFTERNOON

B2Match platform link to be communicated

- | | |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 14:00 – 17:00 am | B2B meetings, C2C meetings
<i>This sessions will allow SMEs and scaling up organisations to meet face to face the Slovak companies and institutes. Organisations from European regions, other than Slovak, can meet as well.</i> |
| 17:00 | <i>End of the day</i> |

Negotiations B2B meetings, C2C meetings

Date: 3rd of March, afternoon, 10th of March 2021, afternoon

Technical support: Jan Vaclav, +421-905 503 298, e-mail: sopkrktn@sopk.sk, projects@spklaster.sk

Maximum duration of each meeting 40 min.

Already fixed companies registered in negotiations from the Slovak Republic (more detailed profiles are in separate file):

- Chemosvit Fibrochem, s.r.o.
- SK-TEX, s.r.o.
- Polymer Institute of Slovak Academy of Sciences
- PR Krajne, s.r.o.
- Výskumný ústav chemických vlákien / Research Institute For Man-Made Fibers, JSC

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