

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



Profile

for the ClusterXchange pilot scheme

ClusterXchange



**SLOVENSKÝ PLASTIKÁRSKY KLASTER
(SPK)
Vašinova 61
949 01 Nitra, Slovakia**

Office:
Slovak University of Technology in Bratislava
Radlinskeho 9, 812 37 Bratislava, Slovakia

<https://portal.spklaster.sk/index.php/en/>

PROFILE:

Interest association of legal persons in field of plastics processing and related industries. It was established as an initiative of non-governmental entities in plastics production sector.

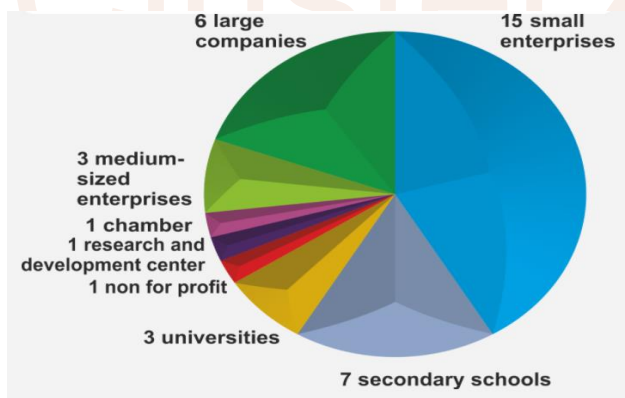
The associated companies are competitors on one hand, on the other hand they need to solve the same kind of problems and share the same resources.

Constitution: 23.03.2009

REASONS FOR SPK CREATION

- Insufficient system of education from the lowest level (operators, setapers)
- Insufficient system of further education and insufficient awareness of innovation in the respective field
- Non-existence of any strong organization – partner to represent plastics industry in relation to project activity on national or international level,
- insufficient communication and marketing between of companies within plastics industry
- Non-existence of any strong partner for foreign entities supporting of innovation transfer in field of research.

SPK has currently 37 members:



- COMMON APPROACH IN LEGISLATION
- GEOGRAFIC CONCENTRATION AS WELL AS potential GLOBAL REACH
- SPECIALISATION, COMMON TECHNOLOGIES, SKILLS AND PRODUCTS
- COOPERATION WITH SCHOOLS AND EDUCATIONAL ORGANIZATIONS
- COOPERATION WITH CENTRES OF TECHNOLOGY TRANSFER
- INTERNATIONAL NETWORKING

The main tasks are stimulation of employment and education quality in field of plastics production and processing and that way to reach increase of competitiveness of companies in field of plastics production.

COMPANY FOCUS:

The main task of the SPK in the period up to 2025 will be to complete the capacity of human resources, improving the quality of SPK management, defending the Bronze Label within the ESCA certification system, preparing to obtain a Silver Label. SPK's vision for internal development - Strengthen the grouping of strong partners, where "belong" will also social and professional prestige.

SPK focus on regions: Nitra, Trenčín, Prešov



SCIENCE AND RESEARCH, INNOVATION

SPK strengthened its position in applied research by partnership with Institute of Polymers Slovak Academy of Sciences and with Faculty of Chemical and Food Technology of Slovak University of Technology

Innovation in plastic industry - WE CREATE STRONG CONNECTIONS BETWEEN ORGANIZATIONS

IN SLOVAKIA https://portal.spklaster.sk/images/Inovacie_v_oblasti_spracovania_plastov.pdf



3 MAIN CHALLENGES OF SPK:

Supporting of applied research (the connecting between resolutions of basic research and practice). The SPK focus on promoting recycling, new materials, and new technologies soon. **CIRCULAR ECONOMY.**

Preparing of new Education and study branches for vocational school and their application for Dual Education. New branches must be prepared as multi specialization ones – chemistry, engineering, electro-technology. The new educational branches must be also experimentally verified (school year 2020/2021).

Preparing of **new study multi specialization program at universities** and supporting the students on working on research tasks in companies.

Attaching - pictures and links to the videos / presentations of the products etc.)

- **EUROPEAN CLUSTER EXCELLENCE INITIATIVE BRONZE LABEL CERTIFICATE**



At present approaching for EUROPEAN EXCELLENCE SILVER LABEL CERTIFICATE - ESCA

- **ANTI-CAMPAIGN AGAINST PLASTICS**

Nowadays, plastics do not have adequate compensation in many fields in terms of: Price, Density, Availability, Performance

Biodegradable polymers are part of the solution (Ecological potential NONOILEN). A new generation of progressive bio-degradable material based on renewable resources registered under the NONOILEN® trademark. Currently produced and sold products based on PANARAs small production of **NONOILEN.**

