



RESET

Interreg Europe



European Union
European Regional
Development Fund

Bucuresti Ilfov Action Plan

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INCDTP, the Romanian project partner, located in Bucharest-Ilfov region, implemented the RESET in Romania

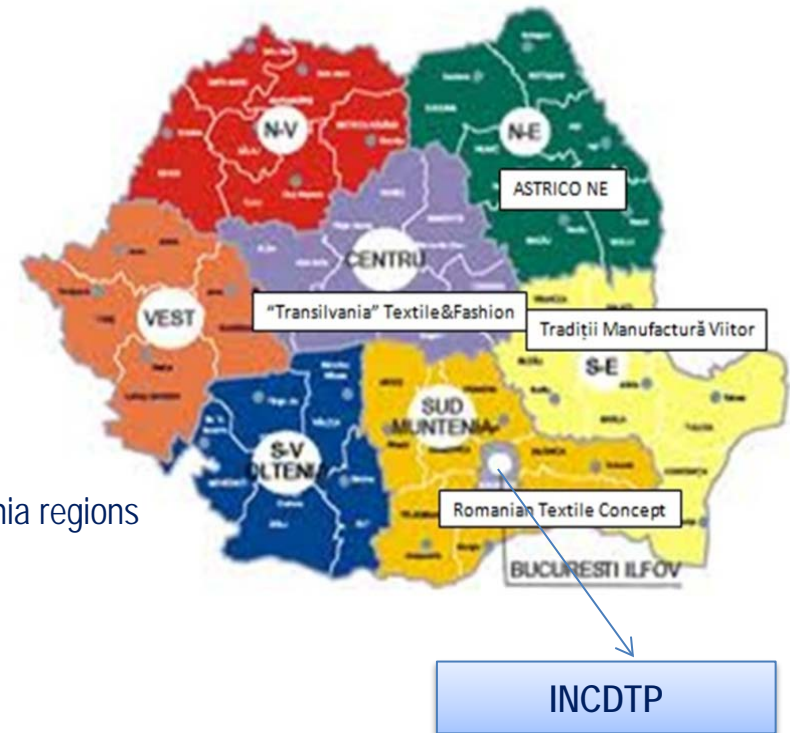
Textile & Clothing sector in Romania

In 2018: 1,87 % of GDP; 6 % of exports; 11 % of employees in the industry

- core economic sector nationwide, country-wide, with elements of concentration in 4 regions: NV; NE; Centru, Bucuresti–Ilfov;
- employing an important share of labour force, mainly women (currently about 165.000 employees)
- has in its structure a **high level of SMEs**;
- it has **significant share in the national export economy**
- is **dependent on imports** of raw materials;
- has a **low volume of production of the primary sector**;
- is registering a **low share of high technology investments**.

4 clusters

- Romanian Textile Concept Cluster (Bucharest– Ilfov and South Muntenia regions)
- ASTRICO NE (North-Est region)
- Traditions Manufacturing Future (South-Est region)
- Transylvania Textiles & Fashion (Centru region)



Needs and challenges

Textile & Clothing (T&C) in Romania: is a traditional “**low-skilled - low-tech**” branch based on outsourcing production system, whose main engine for value-added is innovation by use of eco-nanotechnologies and advanced materials (highlighted in National Strategy for RDI 2014 -2020)

The main weaknesses of innovation and technology transfer in Romania are: **little cooperation between companies and R&D Institutions**, low level of SMEs participating in knowledge transfer activities and low technology transfer rates

Enhanced **SMEs competitiveness** should be supported by investments in address highly innovative technologies and their transfer

Sustainability is a crucial aspect of research and innovation processes in the T&C industry

Networking between regional and local authorities, T&C clusters, R&D centres and other stakeholders is an essential part of the transition to a more sustainable future

These are great challenges for Romanian textile industry and opportunities are related to the access to European and national funds and to the exchanging with good practices developed by EU countries.

RESET project provided a great opportunity for INCDTP to transfer to Romanian T&C companies, the new knowledge, the methods and technologies learnt during the Interregional Learning Process and to influence the Policy Instrument addressed through the implementation of new projects oriented towards the sustainability of the production processes and product development

Action Plan:

- **Policy Instrument addressed:** Regional Operational Programme 2014-2020, specifically Axis 1 “Promotion of technology transfer”
- With the background collected from de lessons learnt during the RESET implementation and from the cooperation with other partners and regions as also, with the involvement of stakeholders, INCDTP defined an **Action Plan** that aims to influence the Policy Instrument addressed through the implementation of new projects oriented towards the sustainability of the production processes and product development.
- The **Action Plan** included **2 actions**:
- **Action 1: Sustainable T&C production & innovative textile:** to develop and implement new projects inspired by Good Practices (GPs) coming from RESET with ERDF/national funds for promoting of new methods which lead to the increase of the added value of the products made by companies, to the efficient use of the resources, both material and energetic.
- **Action 2: Reinforced domestic T&C value chains based on innovative clusters:** to develop and implement new projects inspired from RESET GPs with ERDF/national/international funds for promoting sustainable T&C value chains.

Implementation of the Action plan

Action 1 / Initialisation of joint research projects between industry & research centres

3 collaborative research projects were developed by INCDTP and 3 SMEs from T&C sector

CareKnits project aims to developing new processes & products for the company (production of functional knitted textile and introduction of a new ecological finishing technology) (Datsa Textil SRL)

- influenced and based on GP presented by AITEX (ES) "*Sustainable Textile Finishing Using Ozone and Nanobubble*" under key theme **New sustainable chemistry, including reduction of chemical substances**

The project proposal was submitted for funding through the ERDF COP/ Axis 1. Project was accepted as eligible for funding.

As a result of COVID 19, some of the funds allocated to the COP program were directed for the purchase of medical products / equipment. Under these conditions, the number of contracted projects, within the call "innovative technological project" was greatly reduced.

Therefore, DATSA, which is very interested in purchasing the equipment from Jeanologia (ES) and implementing this GP, is preparing to resubmit the project for financing from the structural funds through the ROP/IP.1.2 program, with a deadline in February 2021.

ITECHIP project: – focused an innovative IT technology for design and the personalization of PPE (MENTOR SRL) and
CINEP project - focused an Innovative concept for personalized pattern design of PPE. (MATEI CONF GRUP SRL)

- inspired and influenced by GPs presented by: CITEVE (PT) "*Seab2-Clothing system with integrated inflation*" and Lodz Region (PL) "*SmartArmour-new idea of the smart personal protection*". under key theme **Smart textile and new ways of production**

The R&D activities of the projects were funded from national funds through the NRDI Programme III. **For the acquisition of the equipment and installations necessary to transfer the research results obtained during the projects, the SMEs submitted 2 projects funded through ERDF ROP/Axis 2** Improving the competitiveness of SMEs/I.P.2.2. Supporting the creation & the extension of advanced capacities for product & service development.

The first project implemented by MENTOR SRL have a total budget of 472.520 Euro of which 188.925 Euro funded by ERDF ROP.

The second project under implementation by MATEI CONF GRUP SRL, has a total budget of 2.832.169 Euro of which, 852.654 Euro funded by ERDF ROP.



Implementation of the Action plan

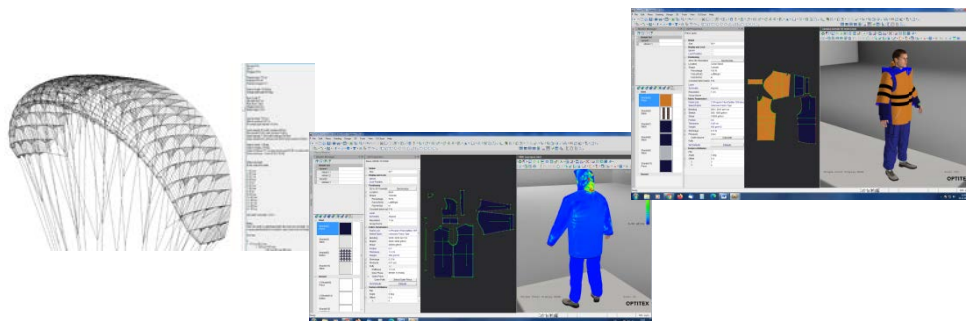
Action 1 / Introduction of research topics on sustainable T&C and innovative textiles into national research programmes

2 R&D projects were developed by INCDTP and it is funding through the National "Nucleus" Research Programme.

SiMaLogPro project: focused on Advanced multifunctional logistics, communications and protection systems to improve the safety, operability and efficiency of emergency workers.

➤ inspired and influenced by GP presented by CITEVE (PT) *"ACCLITEXSYS - ACCLImatisation TEXTile SYStem: New Materials and New Applications for Defence"* under key theme **New materials and new applications**

Currently the project SiMaLogPro is in phase of the development the prototypes of the new logistics, communications and protection systems (Unmanned Aerial System and Personal Protective Equipment) for intervention in emergency situation.



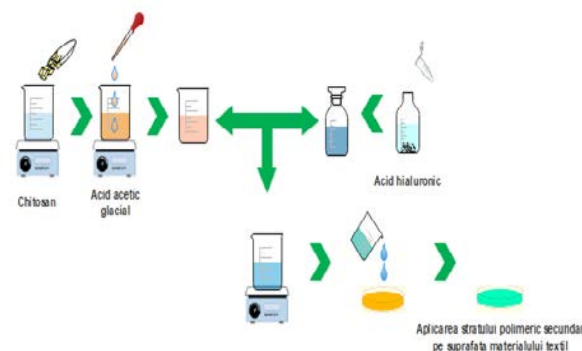
The projects are in its implementation phase; the schedule final date of the projects is November 2022.

The results of these R&D projects will give input to next ERDF calls dedicated of the investments in infrastructure of T&C companies

BIOPANTEX project: focused on Integrated multifunctional systems based on nanocomposites and pharmacodynamics therapeutic agents for various skin conditions.

➤ inspired and influenced by GP presented by AITEX (ES) *"Nanostructured textiles to promote cell growth in severe burn injuries"* under key theme **Smart textile and new ways of production**

The project BIOPANTEX is in phase of the development of the biomaterials for the treatment of inflammatory skin diseases by including a therapeutic agent on the textile support through an appropriate "carrier" system.



Implementation of the Action plan

Action 2/ Support to T&C SMEs for their integration in existing or new value chains

FairTex project - un collaborative research project was developed by INCDTP with a large textile company (Tanex SRL), a SME manufacturing plastics and polymers (Monofil SRL – coordinator of the consortium) and 3 partners from Korea.

➤ inspired and influenced by GP presented by CLUTEX (CZ) *"Hospital Services Textiles- New tools employing Bio and Smart Aiming at Dematerialisation an circular Economy"* under key theme **New materials and new applications**

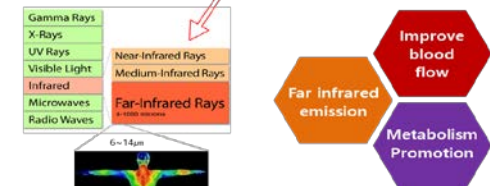
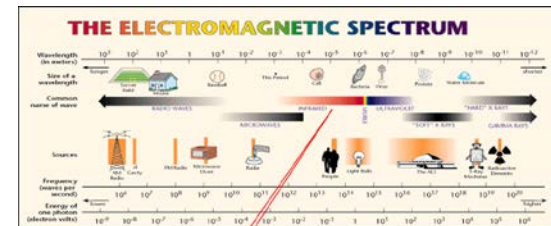
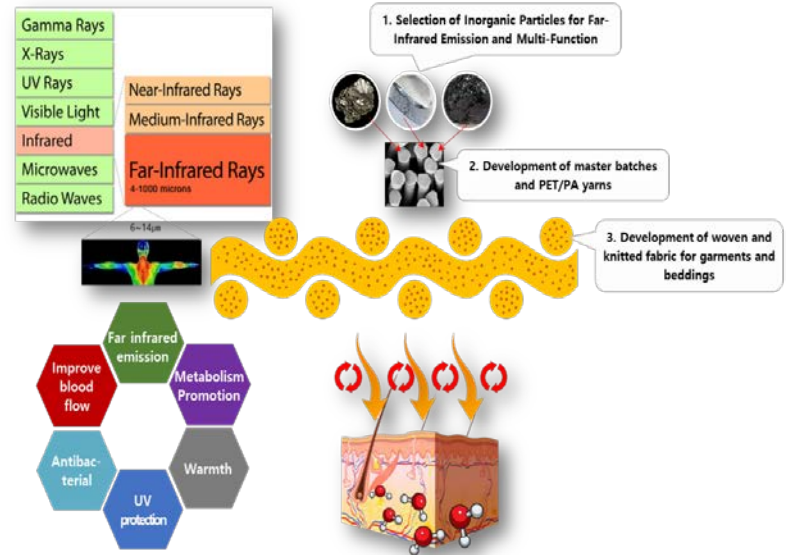
The project aims to develop and validate new textiles providing health and well-being to the users based on tailored multi-functional nano-composites generating negative ions and far infrared rays and, protecting humans against UV-rays and bacterial infection.

Total buget: 325000 EUR

Starting: 01.01.2020

End: 01.01.2022

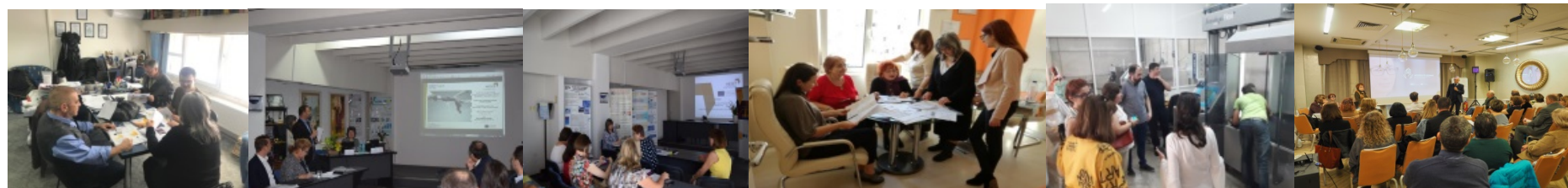
Funding: NRD I Programme III/ Subprogram 3.5: Other European and international initiatives and programs - Eureka Traditional projects, Eureka Cluster



Implementation of the Action plan

. The main territorial impact is:

- The increased number of SMEs from T&C sector participating at the National/Regional calls for research and development projects, published by the ERDF ROP 2014-2020, ERDF COP 2014-2020, National CDI Programme III 2015-2020.
- Inspired by GPs exchanged and lessons learnt during the exchange of experience, new R&D projects were developed for Romanian textile and clothing companies. 8 SMEs have been cooperating with INCDTP in this regard.
- Also, the impact is coming through the networking of regional stakeholders from public authorities, T&C industry, R&D and Clusters in T&C domain.
- Thanks to structural investments for modernization and extension of advanced capacities for production of the two SMEs, the territorial impact will be: the promoting of innovative textiles resulting from R&D&I projects developed by R&D centers in collaboration with SMEs; the revitalization of the traditional sector through higher added value activities; increase the competitiveness of SMEs.



Lessons learned from RESET

- Due to the participation in the RESET project, INCDTP has been able to increase its knowledge on six topics which are key pillars of innovation in the European textile and clothing industry.
- This network has given us the opportunity to learn from the good practices of our more experienced partners from consortium, to share knowledge and transfer it to the stakeholders and companies to strength the textile sector and to build up new relationships for future European collaboration.
- Learning through the mirror approach has enabled a better understanding of how the T&C sector sustainability issues could be better tackled in our own region/ country.
- All activities performed in RESET project have been important. INCDTP considers extremely useful the mixture of methods and the combination of activities for the exchange of experience (thematic seminars, policy brokerage, staff exchange, study visit).
- Through these activities and lessons learned, INCDTP found the inspiration for new projects ideas for Romanian T&C companies.





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Thank you for your attention



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