



Research Project
Quantification and composition analysis of textiles
intended for re-use, recycling and disposal*

Project Lead - Circle Economy

Methodology Partner: Fashion for Good, Netherlands

Partners: INCIEN, Czech Republic

HUMANA, Italy



The Circular Economy a Model of Production and Consume

INCDTP, Romania

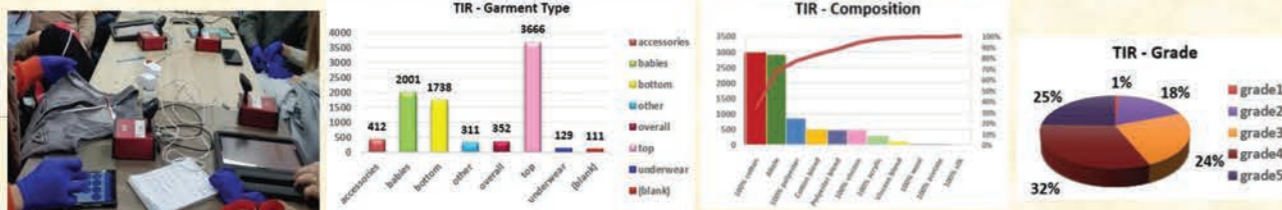
PROJECT OBJECTIVES

- Quantify the current management routes of textiles in 3 selected EU Member States (Czech Republic, Italy and Romania)
- Map potential future management routes of post-consumer textiles in 3 EU Member States
- Generate a common understanding of textile flows across Europe, and beyond
- Build local capacity to lead textile quantification and characterization studies
- Inform policy and investments to incentivize the transition to circular textiles



TASK I - Selection and characterization of TIR waste-2023 and 2024

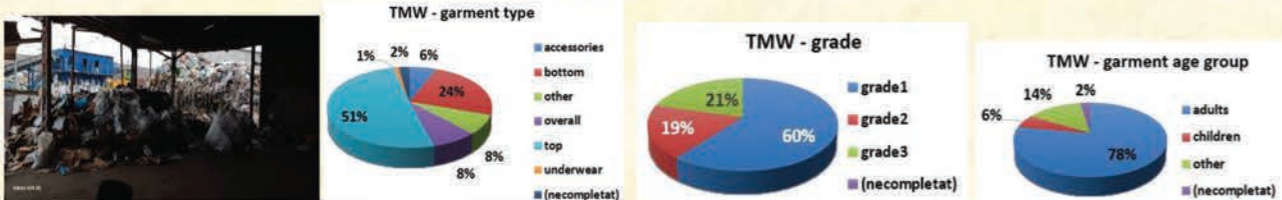
Romanian Partner TIR Waste: General Directorate for Social and Child Protection, Sect. 6, Bucharest, Romania



The largest share of the types of used clothing is represented by those intended for the top part of the body; the predominant fibrous composition is cotton and the predominant degree of wear is grade 4 (slightly used).

Task II - Selection and characterization of TMW waste-2023 and 2024

Romanian Partner TMW Waste - 3D Green SRL, Chitila, Romania



The largest share of the types of used clothing is represented by those intended for the top part of the body; the predominant degree of wear is grade 1 (very used) and the predominant age group type of textile waste collected from municipal waste is that for adults.

The second round of the TIR and TMW selection and characterization activity will be carried out in the months of April - May 2024. All the results will be compared between the 3 participating countries in the project to highlight the similarities and differences.

Duration of the project: 12 months

*This research has been produced under a contract with the European Union.

*The opinions expressed are those of the authors and do not represent the EU's official position.

Contact point Romania: Ph.D. Eng. Emilia Visileanu, e-mail: e.visileanu@incdtp.ro
 The National Research and Development Institute for Textiles and Leather
 16, Lucretiu Patrascanu street, 030508, Bucharest, Romania.



THE TECHNOLOGIC AND BUSINESS INCUBATOR ITA TEXCONF

ITA TEXCONF is an entity in the infrastructure of innovation and technological transfer without legal personality, established within INCDTP based on HG 406/2003, accredited for the textile – clothing field and re-accredited in 2020, Certificate no. 118/2020, issued by the Ministry of Education and Research



Insights from incubated company
 SC Xtreme Equipment SRL

ITA TEXCONF is part of the National Network for Innovation and Technology Transfer ReNITT and acts for the sustainable economic and social development of the textile sector, by ensuring access to technological performance, developing the innovative environment, introducing quality systems and developing human resources.

The incubator is involved in specific actions of collaboration with all 5 existing clusters in the textile field, of which it is part as an active member: Romanian Textile Concept Cluster – RTxC, ASTRICO NE, Traditions Manufacture Future, Transilvania Textile & Fashion Cluster and Fashion Future Cluster.

Services:

- ❖ Services of sustaining textile-clothing SME competitiveness within the competitional background of the market economy;
- ❖ Services aiming at creating partnerships and financing drawing in within the projects;
- ❖ Services aiming at the product, equipment, innovation technology promoting in the field of textile-clothing, as part of scientific events (fairs, symposiums, conferences, etc.);
- ❖ Mediating contracts of technology transfer/manufacturing of products, experimental models, prototypes and specific applications for technical textile, personal protective equipment, invasive and non-invasive medical devices, special-purpose items, etc .;
- ❖ Mediating contracts in the field of investigating the textile material and product properties, within the RENAR accredited INCDTP laboratories.

16, Lucretiu Patrascanu street, postal code 030508, Bucharest, ROMANIA

Phone: (0040)-21-340.49.28; 340.42.00; Fax: (0040)-21-340.55.15

E-mail: office@incdtp.ro

General manager: Dr. eng. Alexandra Gabriela Ene