

## Presentation of the ECWRTI project results at TEXCHEM 2017



The conference “Textiles for future – future for textiles” was held in Hradec Králové, Czech Republic, from 8<sup>th</sup> to 9<sup>th</sup> November 2017. The 49<sup>th</sup> national textile conference TEXCHEM 2017 was part of it.

The company INOTEX presented there the results of a survey on wastewater handling in textile industry which was provided within the **ECWRTI** project. After introducing the aim of the project and the interim results achieved, the participants were informed about the conclusions of the study which was mainly aimed at evaluating of the implementation potential of the EColoRO concept of the wastewater treatment in selected EU countries.

The data collection for the survey was provided in the form of a subcontract through a questionnaire survey conducted by national textile associations or technology centers. The study was focused on certain EU countries with the significant position of textile industry: Belgium, Italy, Germany, Poland and Romania. Companies addressed to participate in a survey were selected to be a representative sample of the local textile industry.

In the framework of the survey, information on company’s production profile, fresh water consumption (sources, volume, treatment, costs), wastewater treatment and disposal (volume, pollution, treatment technologies, costs and levies), sludge management and reuse of wastewater. The implementation potential of the EColoRO technological concept in each country was than assessed from a variety of perspectives – from the availability of fresh water sources point of view, technical or economical point of view. The key factors influencing the implementation of wastewater reuse in textile industry in general are also the availability of the fresh water sources, the possibility to construct the treatment units from a spatial point of view, the qualitative requirements on water quality for production processes or possibility to reuse the wastewater treatment byproducts.



### ***ECWRTI, Electro Coagulation for Water Recycling in Textile Industry***

*The EcoloRO concept, which consist of electrocoagulation followed by membrane filtration, enables treatment of wastewater without using chemicals and it's reuse. Using this concept, the textile mills can reduce their water consumption by up to 90 percent.*

*Aim of the ECWRTI project is to demonstrate this technology on site at full industrial scale, first at a textile mill in Belgium and later at a textile mill in Italy.*

More about the project on the web [www.ecwrti.eu](http://www.ecwrti.eu)