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"The European Union is made up of 27 Member States who have decided to gradually link together their knowhow, resources and destinies. Together, during a period of enlargement of 50 years, they have built a zone of stability, democracy and sustainable development whilst maintaining cultural diversity, tolerance and individual freedoms. The European Union is committed to sharing its achievements and its values with countries and peoples beyond its borders".

Joint Operational Programme
Romania-Republic of Moldova 2014-2020

www.ro-md.net
<https://intelwastes.utm.md>

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Intelligent valorisation of agro- food industrial wastes (IntelWastes) 2SOFT/1.2/83



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Romania-Republic of Moldova
ENI-CROSS BORDER COOPERATION



TECHNICAL UNIVERSITY
OF MOLDOVA

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The concept

The cross-border impact of the Project consists in the formation of joint research-innovation teams with complementary competences in solving common problems - agro-food industrial wastes management, by supplying the existing laboratories with specific equipment:

🌐 TUM - elaboration of methods for preserving the functionality of waste for its subsequent processing, analysis and extraction of active biological liposoluble compounds, exploitation of bioactive components in the food industry;

🌐 UASVM - analysis and extraction of active biological hydrosoluble compounds, elaboration of the technology for obtaining natural sorbents from solid fractions of agro-food industrial wastes.

The joint issues approach to the intelligent valorisation of agro-food industrial wastes will contribute, on a long-term basis, to the correct management approach of environmental problems in the Republic of Moldova and the cross-border area of Romania, which is an important aspect in the context of the Republic of Moldova's association with the EU.

The objectives

Strengthening the research and innovation capacities of universities through sustainable cross-border cooperation for the efficient use of industrial processing wastes of grapes, fruits and vegetables.

Promoting research and innovation in the Republic of Moldova and the cross-border area of Romania in the field of intelligent valorisation of the industrial processing wastes of grapes, fruits and vegetables.

Reducing the impact of agro-food industrial wastes on the environment, improving the quality of life and economic development in the Republic of Moldova and the cross-border area of Romania.

Programme Components

Supplying the laboratories at TUM and UASVM with the necessary specialized equipment.

Publication of scientific articles in specialized journals.

Common application of patent of inventions.

Creation of mixed research groups with the involvement of young researchers and submission of funding proposals for doctoral grants on the topic of the project.

Elaboration of a database of the primary processing enterprises of grapes, fruits and vegetables from the Republic of Moldova and the cross-border area of Romania, which will be displayed on the project website.

Elaboration of the Good Practice Guide for intelligent use of agro-food industrial wastes that will be displayed on the project website.

