

**Interreg  
Danube Region**



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**DRWO4.0**

# **DRWO4.0 Danube Region Wood Industry Transformation Model towards Industry 4.0**

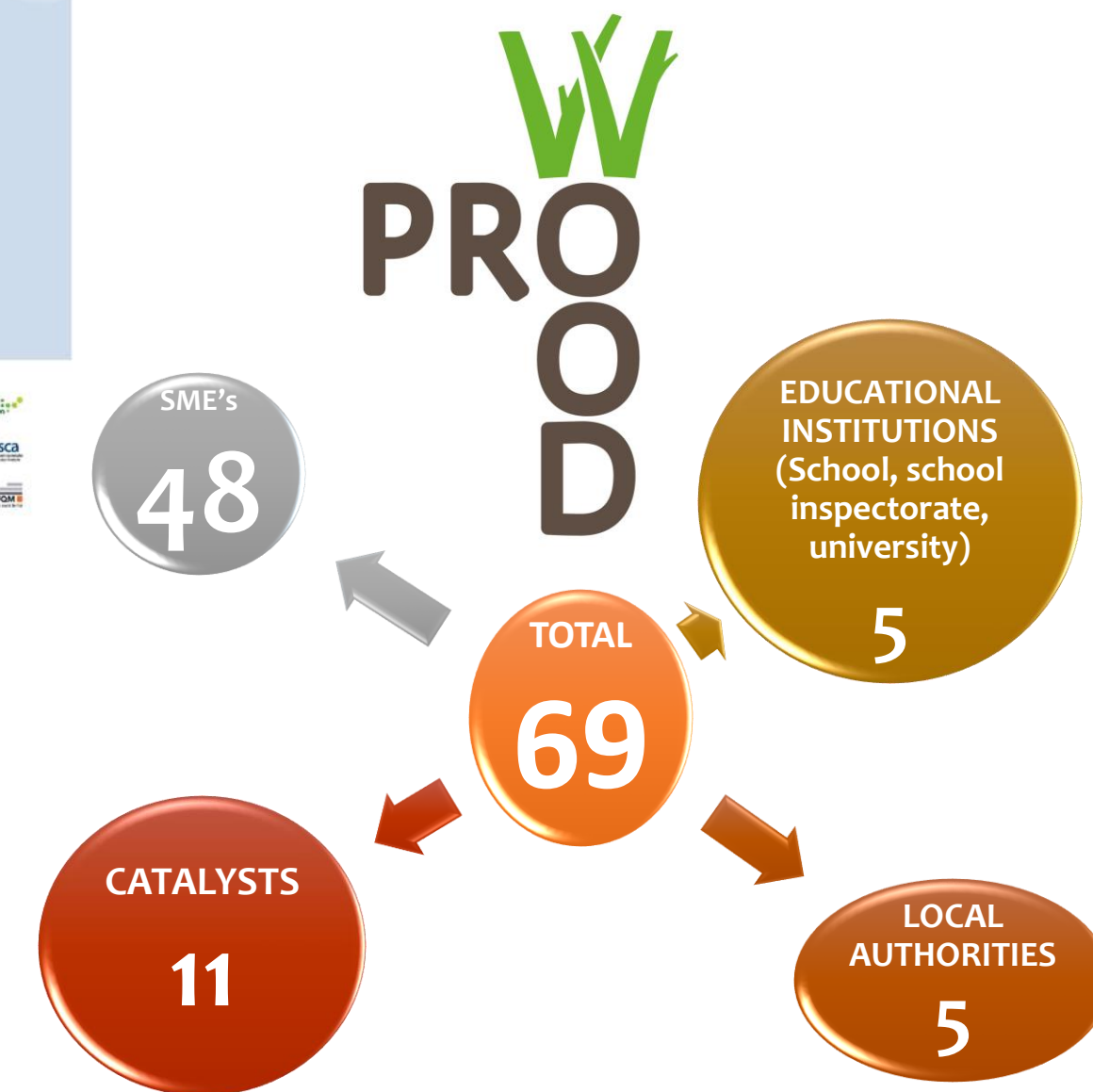
Clusters meet Regions Chişinău

Chişinău, 10<sup>th</sup> of October 2024    Andrea SULYOK-PÁL

# PRO WOOD

## Regional Wood Cluster

- Established in 2010
- Located in Sfântu Gheorghe, CENTRU Region of Romania
- Members covering almost the whole value chain (from forest owner to the last wooden accessory producer and seller)



# PRO WOOD Regional Wood Cluster



Nr. of enterprises 48

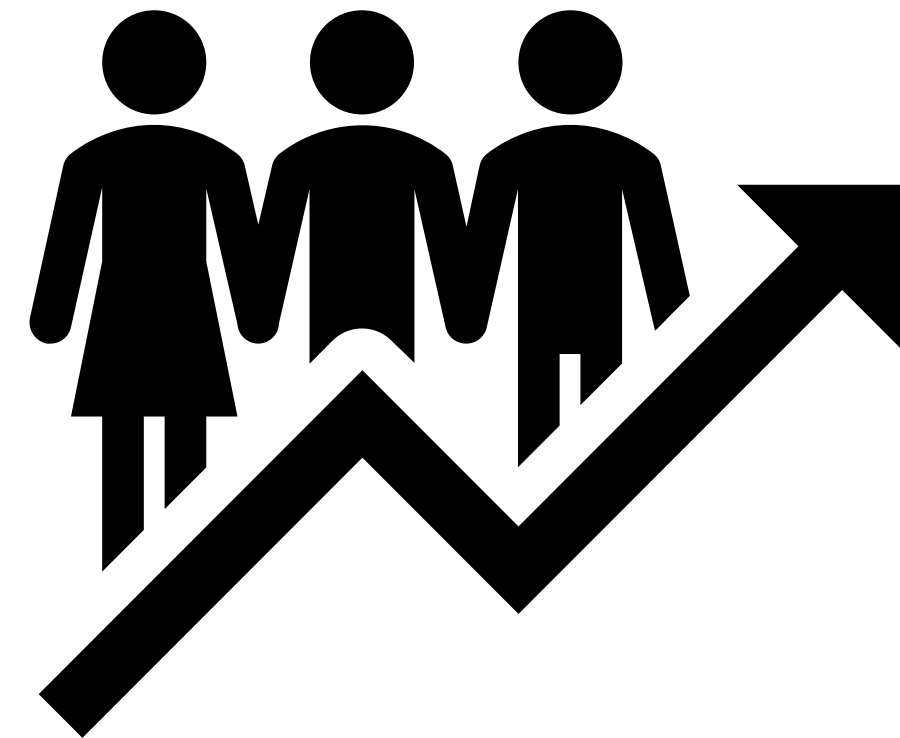
Nr. of universities, RDI organizations: 2

Nr. of employees: 2169

Turnover (EUR): 378 mil.

Export (EUR): 223 mil.

Foreign markets: Hungary, Austria, Germany, Netherlands, France, Asia, etc.



# Introduction

DRWO4.0 objective is the **improvement of Danube Region forest-based industry through the I4.0 transformation – transnational development of the applicable, modifiable and replicable forest-based I4.0 transformation model**

- **Programme:** Interreg Danube Transnational Programme
- **Programme priority 1:** A more competitive and smarter Danube Region
- **Specific objective 1.2:** Development of skills for advancing smart specialisation strategies, industrial transformation and transition towards industry 4.0, including cross sectorial collaborations
- **Project budget:** 1.946.560 EUR
- **Project duration:** 24 months

DRWO4.0 supports cross-border cooperation and institution capacity building of the DR countries involved in DRWO4.0.

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# Introduction

DRWO4.0 challenge:

Although it has a **sustainable development perspective**, the common transnational challenge in its developing pathway indicate the **presence of gaps** (lack in digitalisation, cross-border cooperation, interdisciplinary approach, etc.) in the implementation of I4.0 objectives, especially in less developed DR countries.

By providing nearly 3.5 million jobs across over 400 thousand companies, helping to maintain employment and wealth generation in rural areas and contributing to the low-carbon bio-economy, the EU forest-based industry represents about 7% of EU manufacturing GDP.

The Forest-based industry of Europe is unequally developed, which is especially evident in less developed regions and non-EU countries.

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DRWO4.0

# Consortium

**Lead Partner:** Competence Centre Ltd. for research and development (HR)

**Partners:** Salzburg University of Applied Sciences (AT),  
KO-FA Association (RO),  
Wood Industry Cluster (SI),  
Cultural Innovation Competence Centre Association (HU),  
Bulgarian Furniture Cluster (BG),  
Cluster of Czech Furniture Manufacturers (CZ),  
University of Belgrade - Faculty of Forestry (RS),  
Development Agency of City of Prijedor "PREDA" (BA),  
Cahul Business Centre (MD),  
Culmena Ltd. (HR),  
Faculty of Engineering and Information Technology (HU),  
Agency for sustainable development of the Carpathian region (UA),  
Faculty of Design (SI);

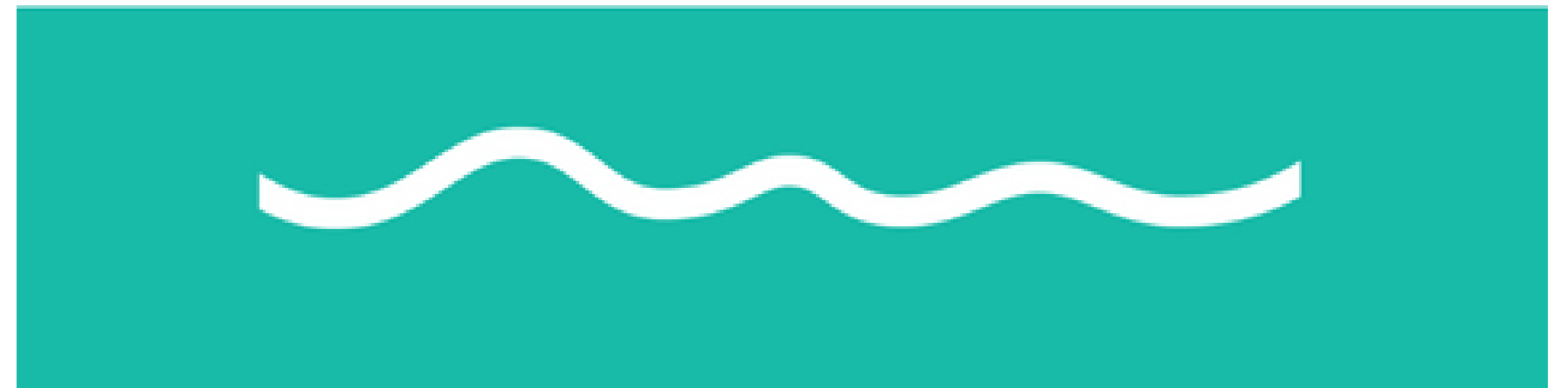




# Project work plan

- SO1 Fostering forest-based industry transformation by establishing pilot environments
- SO2 Transnational Capacity building for forest based I4.0
- SO3 Contribution to the DR forest-based industry transformation by developing I4.0 transformation model

## A smarter Danube Region



<https://www.interreg-danube.eu/dtp-archive/about-dtp/priorities-objectives-2021-2027>

# Expected results

- At least 40 organisations cooperating across borders,
- One action plan jointly developed,
- One transnational strategy jointly developed,
- 3 pilot environments jointly established, and
- DR forest-based industry 4.0 transformation model jointly developed

## Priority 1 OBJECTIVE 1.2

### Developing skills for smart specialisation, industrial transition and entrepreneurship

The Programme supports actions advancing **smart specialisation** strategies, **industrial transformation** and transition towards **industry 4.0** in the Danube Region. The Programme also encourages actions increasing **cross-sectoral collaborations** and **smart networking** in business, science and infrastructure sectors.



**THANK YOU FOR  
YOUR ATTENTION!**

**DRWO4.0**

**Danube Region Wood Industry Transformation  
Model towards Industry 4.0**

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