

**TRANSNATIONAL COLLABORATIVE SYSTEM TO BRING PRECISION FARMING INNOVATIVE APPLICATIONS CLOSER TO THE MARKET AND ADDRESS REGIONAL SPECIALIZATIONS IN CENTRAL EUROPE**



## WHAT WE DO

The project Transform 4.0 aims at increasing the direct participation of farmers in the precision farming sector and boosting the competitiveness of the European precision farming advanced manufacturing supply chains. Transform 4.0 will scout new demand-driven precision farming solutions to meet the needs of the farmers. Within the project, companies, clusters, research institutions and farmers will interact to bring new technological solutions to the market.



**TAKING COOPERATION FORWARD**

## WHO WE ARE

Transform 4.0's family is made up of 10 partners from 5 central European countries, joining their forces to boost precision agriculture in Europe.

### Austria

- HBLFA Francisco Josephinum
- Linz Center of Mechatronics GmbH

### Hungary

- Szent István University
- Agro ICT Cluster

### Slovenia

- University of Maribor
- AE-ROBO-NET, Agricultural and Environment Robotic Networking

### Poland

- ARRS - Regional Development Agency Bielsko-Biala

### Italy

- CREA - Council for Agricultural Research and Economics
- t<sup>2</sup>i - technology transfer and innovation
- FEDERUNACOMA - Italian Agricultural Machinery Manufacturers Federation

### Who funds us

Our project is funded by the Interreg CENTRAL EUROPE Programme that encourages cooperation on shared challenges in central Europe. With 246 million Euro of funding from the European Regional Development Fund, the programme supports institutions to work together beyond borders to improve cities and regions in Austria, Croatia, Czech Republic, Germany, Hungary, Italy, Poland, Slovakia and Slovenia.

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## TRANSFARM4.0

Transnational collaborative system to bring precision farming innovative applications closer to the market AND address regional specializations in Central Europe

[www.interreg-central.eu/Transform4.0](http://www.interreg-central.eu/Transform4.0)



## FACTS AND FIGURES

**10** Project partners

**23** Outputs planned until December 2021

**4.000.000** Amount of funds leveraged based on project achievements

### Outputs

Transform4.0 develops a series of activities to consistently boost precision farming in the European market.



## STRATEGIES AND ACTION PLANS

Regional Action Plan to turn the industrial specialization in precision farming in the Smart Specialisation Strategy driving force

The project delivers a Regional Action Plan containing steps, indicators and hints to create a favorable industrial policy background for the transformation of the regional industrial specializations in precision agriculture. Corporate investment schemes will be developed for the stabilization and empowerment of innovation networks in precision farming based on co-creation approaches (industrial clusters - agricultural R&D centers - farmers).

**7** Strategies and action plans developed for strengthening linkages within the innovation systems



## TRAINING

Transnational seminars and thematic focus groups with innovation players and S3 managers

Transform4.0 organises transnational seminars, and sets up thematic focus groups with innovation players and Smart Specialisation Strategy managers for framing a common vision on the future of technological applications in agriculture.

Transform4.0 training sessions in Central Europe countries aim to explain new innovation trajectories of the agriculture of the future and offer options to increase transnational linkages among innovation actors.

**7** Trainings implemented for improving innovation capacity and mind-sets



## TOOLS

Update catalogue of advanced manufacturing pools of excellence and management services

An updated transnational catalogue of industrial pools of excellence (i.e. manufacture of machinery/precision farming equipment, motor, sensors and devices) is one of the main outputs of the project to highlight regional specializations.

The project also creates a Central Europe innovator network of precision farming innovators and perform technology tryouts in transnational collaborative environment to bring smart agriculture applications closer to market.

**5** Tools and services developed and implemented



## PILOT ACTIONS

Technology tryouts in transnational collaborative environment to bring precision farming closer to market

The pilot actions of Transform4.0 are linked to results of the 3 joint industrial undertaking in new ISOBUS application, remote/proximal sensing, and big data management with tests in model farms.

A pool of clusters' companies and R&D agricultural engineers share LAB facilities, knowledge and research infrastructures to test in relevant environment new applications for precision farming in specific sectors and crops that characterize Central Europe (i.e. extensive and site-specific agriculture, livestock).

**3** Pilot actions implemented for strengthening linkages within the innovation systems