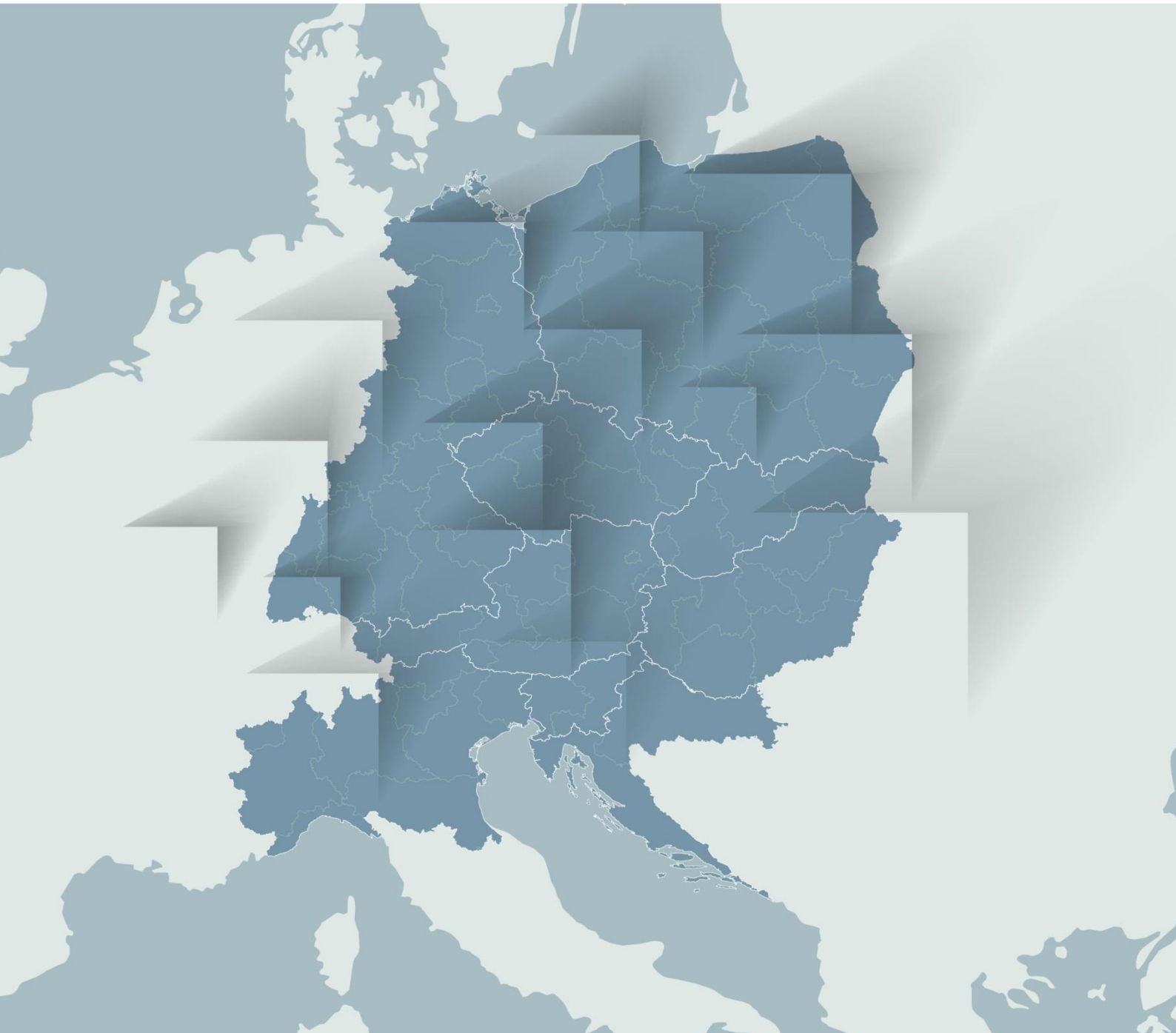
D.T. 3.4.2 KNOWLEDGE VOUCHERING CONSISTIN IN SPECIALISTIC TRAINING TO EXPORT THE OPEN INNOVATION ORGANIZATIVE MODEL

D.T3.4.2 2021



Two training days were hold in 2021 for DT.3.4.2:

1) IFM 2021 (Internationales Forum Mechatronik)

A smart farming workshop (title: Smart Farming – Innovationstransfer in die Landwirtschaft) was held by HBLFA Francisco Josephinum (PP3) and Linz Center of Mechatronics GmbH (PP8).
The Transfarm 4.0 project was introduced with a focus on the pilot actions.

The project results were discussed with external experts and policy makers. Furthermore, current topics such as the possibilities and limits of digitalization in agriculture were discussed.

1. Name of the event, implementing date and place

Name of event: Internationales Forum Mechatronik

Implementation date: 20.-21. Oktober 2021

Implementation place: Linz / Austria

2. Number and types of participants/target groups

22 persons registered for the workshop “Smart Farming – Innovationstransfer in die

Landwirtschaft”, held by PP3 and PP8 (11 persons on signature list)

3. Topics tackled and links to deliverables, outputs

D.C.4.2 – Participation in thematic events:

Presentation of pilot action 1 by PP3 and of pilot action 3 by PP8

D.T3.4.2 – Knowledge vouchering consisting in specialistic training to export the open

innovation organizative model:

Workshop “Smart Farming – Innovationstransfer in die Landwirtschaft“

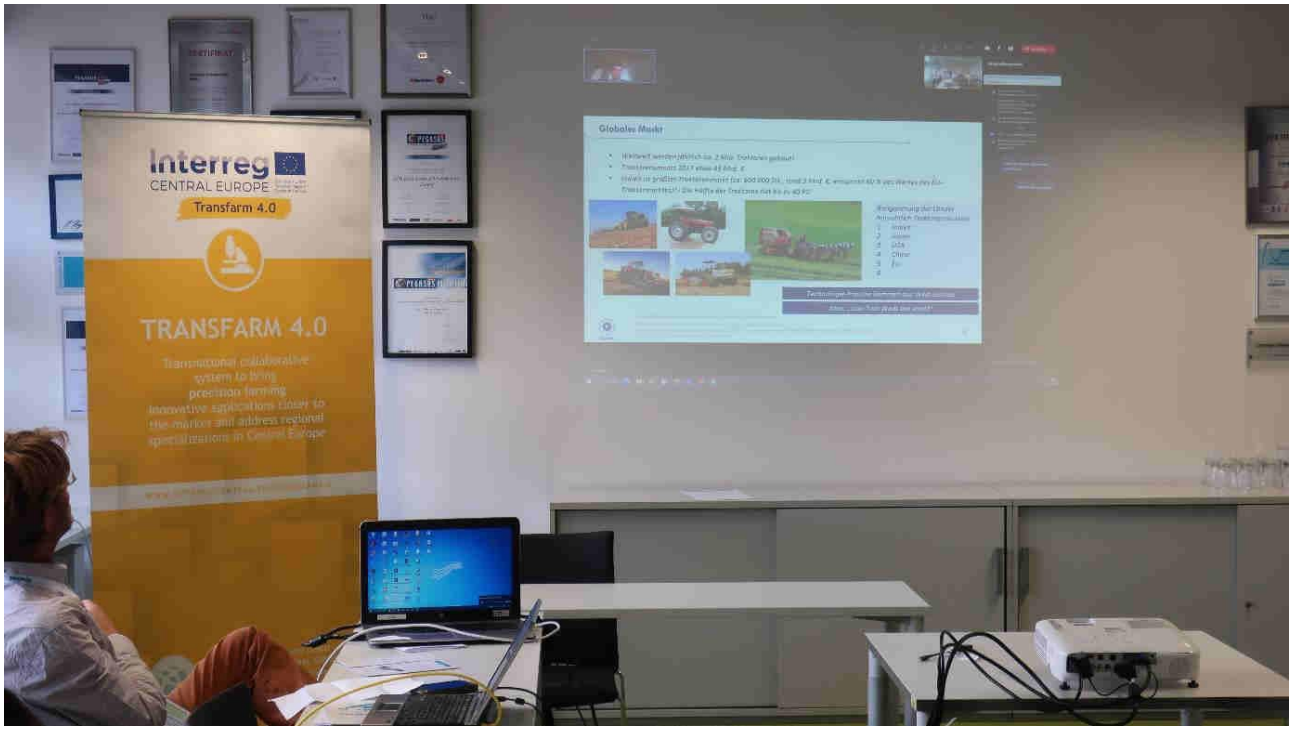
4. Expected effects and follow up

- Dissemination of relevant findings from the project

- Discussion of the results with external experts and stakeholders

5. Annexes: e.g. agenda of the event, pictures, media coverage web- links etc

Link: https://www.mechatronikforum.net/internationales-forummechatronik/news/detail/news/internationales-forum-mechatronik-20-21-oktober-2021



Agenda:

Programm für den Workshop

„Smart Farming - Innovationstransfer in die Landwirtschaft“

am **Do 21. Okt. 2021** im Rahmen des **int. Forum Mechatronik (IFM)** in Linz
https://www.mechatronikforum.net/internationales-forum-mechatronik
Beteiligte:
- FJ Francisco Josephinum https://www.josephinum.at/
- FHWN Fachhochschule Wiener Neustadt https://wieselburg.fhwn.ac.at/
- Land schaft Leben www.landschafftleben.at
- BWSB Boden Wasserschutz Beratung https://www.bwsb.at/
- LCM Linz Center of Mechatronics https://www.lcm.at/

Stand 26. August 2021

Uhrzeit	Vortragender	Institution	Titel
13.30	Pötsch, A.	LCM	Begrüßung, Vorstellung Ablauf, Moderation
13.40	Streimelweger, R.	FJ	Vorstellung Institutionen am Standort Wieselburg (FJ, BLT, JR, Studiengang Agrartechnologie)
13.50	Karner, J.	FHWN, FJ	Moderne Technologien in der Landwirtschaft

14.10	Royer, H. Land schaft Leben	Land schaft Leben	Workshop „Mindset: Zukunftsfähige Landwirtschaft“ • Selbstverständnis Landwirtschaft • Innovation – notwendiges Übel/Chance • Zukunft Landwirtschaft im Spannungsfeld gesellschaftlicher Erwartungen
15.00	**PAUSE**		
15.20	Streimelweger, R Pötsch, A.	FJ, LCM	Vorstellung Transfarm4.0 Wieselburg Vorstellung Transfarm4.0 LCM https://www.interreg-central.eu/Content.Node/Transfarm4.0.html
15.30	Gansberger, M.	FJ	Innovation Farm – Innovative Technologien für die Landwirtschaft erlebbar machen
15.40	Riegler-Nurscher, P.	FJ	Computer Vision in der LW
16.00	Lehner, G.	BWSB	Möglichkeiten und Grenzen der Digitalisierung im Boden- und Wasserschutz
16.20	**PAUSE**		
16.40	Kastenhofer, P.	FJ	FH Bachelorarbeit: Detektion von Minderertragsstellen und Schätzung von Bodenparametern in Winterweizen anhand von Machine Learning Methoden
17.00	Krippl, F.	FJ	FH Bachelorarbeit: Bewertung des wirtschaftlichen und ökologischen Nutzens verschiedener Grenzstreusysteme von Zentrifugaldüngerstreuern in Abhängigkeit der Betriebsstruktur
17.20	Eder, E.	FJ	FH Bachelorarbeit: Vorhersage von Vegetationsindizes von Grünland und Feldfutter anhand von Satelliten-, Wetter und Boden-Daten mithilfe von Neuralen Netzwerken in Österreich
17.40	Royer, H.	Land schaft Leben	Abschlussdiskussion Q&A
Pötsch, A.	LCM	Verabschiedung + ENDE (ca. 18.00 Uhr)	

2) Workshop Innovative Technologien

Innovative technologies are changing the way agriculture works. New sensor systems, information technologies and especially robotics offer a variety of possibilities. For a successful application, extensive agricultural knowledge in the application, but also technological know-how is equally required. Based on different examples, application examples of robotics in agriculture as well as precision farming technologies were presented.

The workshop described agricultural requirements and present technical solutions. The aim of the event was to gain an insight into the complex issues and to develop interest in cooperation. The target audience was technical experts from small and medium-sized farms and institutions interested in technological development in agriculture.

The event took place on site at Josephinum Research / BLT in Wieselburg. Registration is required.

Programm

14.45 Uhr	**Eintreffen der Gäste und Registrierung**
15.00 Uhr	**Begrüßung** Heinrich Prankl, Francisco Josephinum
15.05 Uhr	**Vorstellung** • **Technopol Wieselburg** – Klaus Nagelhofer, Technopolmanager • **DIH-InnovATE –** Anna Beyer, TECHHOUSE • **Transfarm4.0** – Reinhard Streimelweger • **GMAR** – Alexander Numrich, GMAR
15.25 Uhr	**Keynote I – Die Innovation Farm**

	Franz Handler, Francisco Josephinum
15.45 Uhr	**Keynote II – Robotik in der Landwirtschaft** Moritz Jungwirth, Francisco Josephinum
16.05 Uhr	**Diskussion und Fragen**
16.15 Uhr	**Rundgang und Besichtigung der Innovation Farm**
Ab 17.30 Uhr	**Netzwerken** mit Imbiss


FARMDROID
POTTINGER


PÖTTINGER