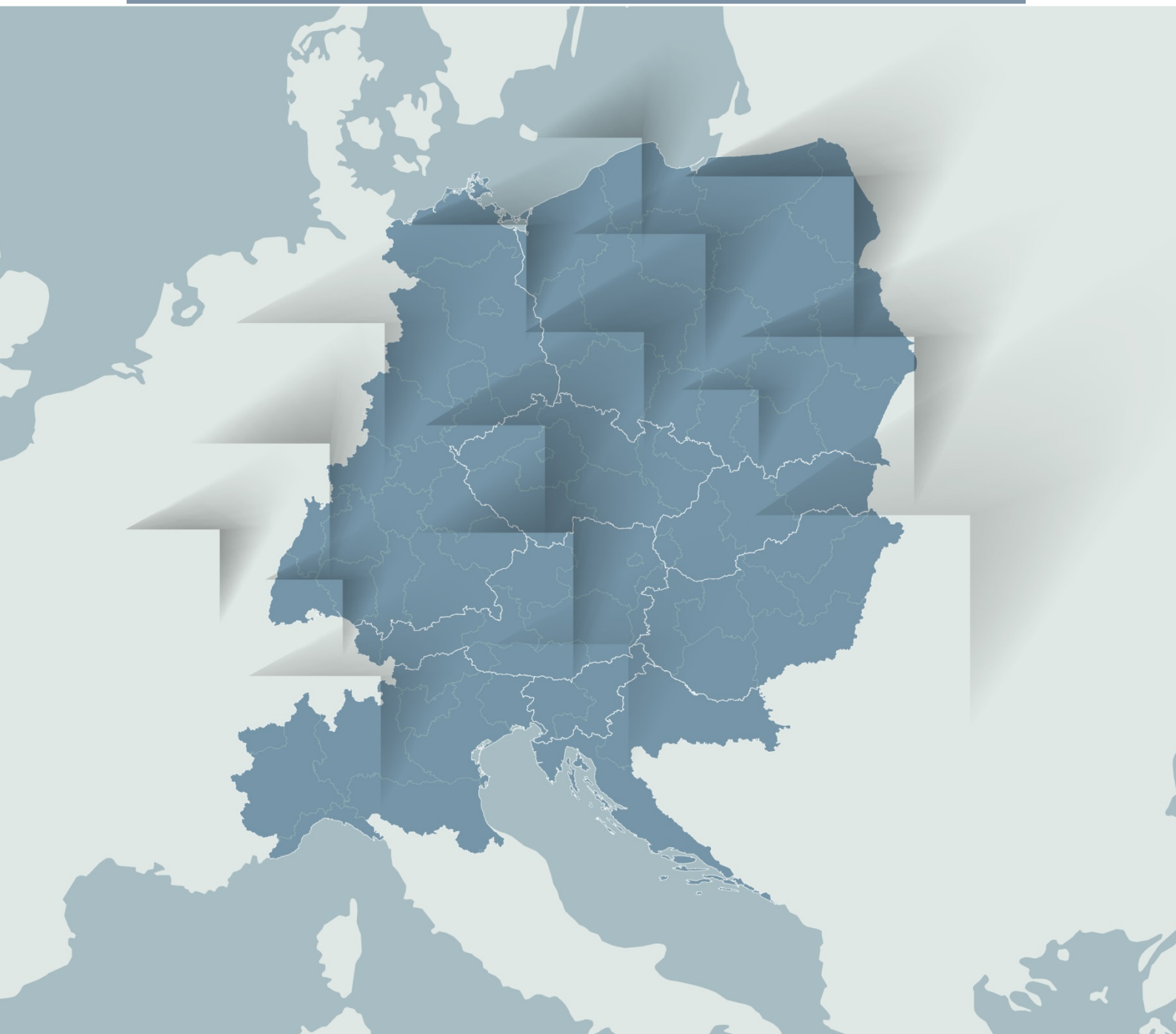


KNOWLEDGE VOUCHERING CONSISTING IN SPECIALISTIC TRAINING TO EXPERT OPEN INNOVATION ORGANIZATIVE MODEL

D.T3.4.2. Jurij Rakun, Erik Rihter, Damijan Kelc, Version 1
Peter Vindiš, Miran Lakota, Denis Stajnkó 09 | 2020



3.4.2 Knowledge vouchering consisting in specialistic training to expert open innovation organizational model – UM, Report on completed training Digitization in agriculture in Ormož on 21.9.2020

1. Name of the event, implementing date and place

Digitization in agriculture. Lectures were held in four days (assemblies) of 3 hours. A total of 12 hours. They were carried out between 14. 9. 2020 and 17. 9. 2020 in Ormož.

2. Number and type of participants/target groups

The target audience (listeners) were technology users (farmers) and agricultural consultants, who transfer their knowledge into practice through their field activities.

3. Topics tackled and link to deliverable, outputs and expected effects and follow up

- First training - Precision Agriculture (3 hours):

The lecturers were Erik Rihter and dr. Peter Vindiš. The basics of the operation of digital systems in precision agriculture, their wide scope and systems that are accessible to users (farmers) on the market (automatic steering systems, ...) were presented. To the listeners were introduced the benefits of precision agriculture (advantages of the steering system (comfort, economy) and increase of work efficiency with greater precision of work). The savings in the use of the presented technology were demonstrated on the practical example of an agricultural plant. Throughout all the lectures, practical examples were presented on how to reduce costs in commercial establishments through precision farming systems and consequently increase revenues. The whole lecture was related to Transform 4.0 project.

- Second training - Conservation tillage (3 hours):

The lecturers were dr. Peter Berk and dr. Denis Stajniko. To the listeners were introduced the conservation tillage as an integral part of a system called conservation agriculture, which aims at long-term soil fertility and profitability of crop production in fields, orchards and vineyards. The system of conservation tillage in Slovenia enables savings of up to 50% of machine hours and energy and at the same time reduces the consumption of operator's working time, which increases added value in agricultural plants whose future is increasingly integrated into business waters. The listeners were presented with concrete instructions on how to introduce conservation tillage on their own farms, thus saving up to 50% of working hours, which represents savings in energy and time, especially when using precision technology. On the examples of good practice, to the listeners were introduced how closely modern methods of soil cultivation are connected with precision agriculture and digitalization in agriculture.

- Third training - Use of drones in agriculture (3 hours):

The lecturers were dr. Damijan Kelc and dr. Jurij Rakun. To the participants were introduced practical demonstrations of drones and cameras suitable for use in agriculture. The regulations that must be observed when used on agricultural land were presented. The software for calculating vegetation indices was presented, and the connections between multispectral digital maps and the physiological state of plants on arable land were presented. To the listeners were introduced the possibilities of using digital maps as input for the targeted implementation of precision agriculture measures in terms of fertilization

and application of plant protection products for disease and pest control. All lectures contained their own examples from practice, including from Transform 4.0 project.

- Fourth training - Good practices (3 hours):

The fourth assembly was carried out together with representatives of Jeruzalem SAT d.o.o. (Nikola Vajda and Mr. Puklavec). The participants of the lectures saw all the presented technologies and measures on examples of good practice on arable land in the immediate vicinity of Ormož on the property of the company Jeruzalem SAT d.o.o. In viewing the good practice, the participants watched live and gained contact with the link between agriculture and entrepreneurship. By looking at examples of good practice, they were able to consolidate their knowledge gained in lectures and see the effectiveness of the implementation of measures and technologies.

4. Expected effects and follow up

These presentations are an excellent opportunity to present the current results of the project and to showcase new developments. Bringing activities closer together can help further cooperation and the development of precision agriculture, as well as highlighting the importance of implementing new technologies in agriculture.

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

V SKLOPU PROJEKTA ZNANJE IN DOBRE PRAKSE
MPI ORMOŽ ORGANIZIRA
IZOBRAŽEVANJE

DIGITALIZACIJA V KMETIJSTVU

Nove tehnologije vztrajno prodirajo v sodobno kmetijstvo. Njihov namen je razbremeniti kmeta fizičnega dela, povečati produktivnost in zmanjšati stroške. Udeleženci se boste v sklopu izobraževanja seznanili z novimi pristopi k kmetovanju ter kako vpeljati nove tehnologije v svoja kmetijska gospodarstva in tako optimalno konkurirati na trgu. Izobraževanje je namenjeno vsem kmetovalcem, ki si želijo pridobiti znanja s področja preciznega kmetijstva, ohranitvene obdelave tal in uporabe najnovejših tehnologij v kmetijstvu. Vsebine bodo prilagojene tudi začetnikom.

Predavali bodo strokovnjaki s Katedre za biosistemsko inženirstvo, Fakulteta za kmetijstvo in biosistemske vede Univerze v Mariboru.

**KDAJ: OD 14.9. 2020 DO 17.9.2020, MED 9.00 IN 12.00
URO**

**KJE: MREŽNI PODJETNIŠKI INKUBATOR ORMOŽ,
VRAZOVA ULICA 9,**

PRIJAVE NA: INFO@MPI-ORMOZ.SI ALI 040 353 528





Miešni podjetniški inkubator Ormož d.o.o.



PROGRAM IZOBRAŽEVANJA

DIGITALIZACIJA V KMETIJSTVU

1. Prvi sklop izobraževanja z nazivom »Precizno kmetijstvo«. Na predavanjih bodo predstavljene osnove delovanja digitalnih sistemov v preciznem kmetijstvu, njihovo široko področje uporabe in sistemi, ki so dostopni za uporabnika (kmeta) na trgu (avtomatski krmilni sistem,...). Predvsem pa koristi preciznega kmetijstva ter povečanje učinkovitosti dela z večjo natančnostjo dela in prihranki pri uporabi nekega sistema.
2. Drugi sklop izobraževanja z nazivom "Ohranitvena obdelava tal" Sistem ohranitvene obdelave tal omogoča tudi v slovenskih razmerah prihraniti do 50 % strojnih ur in energije ter sočasno zmanjšati porabo delovnega časa strojnika, kar poveča dodano vrednost na kmetijskih obratih, katerih prihodnost je vedno večja vpetost v podjetniške vode. Udeleženci se bodo naučili kako na lastnih kmetijskih gospodarstvih vpeljati ohranitveno obdelavo tal, ter s tem prihraniti do 50% strojnih ur energijo in prihraniti čas.
3. Tretji sklop izobraževanje z nazivom »Uporaba dronov v kmetijstvu« Praktični prikaz kateri droni so primerni za uporabo v kmetijstvu in s kakšnimi kamerami morajo biti opremljeni. Razlaga zakonskih predpisov, ki jih je potrebno upoštevati pri uporabi na kmetijskih površinah. Predstavitev možnosti uporabe dobljenih digitalnih kart kot vhodni podatek za ciljno izvajanje ukrepov preciznega kmetijstva v smislu dognojevanja in/ali aplikacije fitofarmaceutskih sredstev za zatiranje bolezni in/ali škodljivcev. Predstavitev uporabe dronov v kmetijstvu prikazuje inovativen pristop do opravljanja kmetijske dejavnosti. Vsa predavanja bodo vsebovala lastne primere iz prakse.
4. Četrty sklop ogled »Dobre prakse« Pri ogledu dobre prakse se bodo udeleženci seznanili s povezavo med kmetijstvom in podjetništvom. Pri ogledu primerov dobre prakse bodo lahko utrdili svoje znanje pridobljeno na predavanjih in se prepričali o učinkovitosti izvajanja prikazanih ukrepov in tehnologij.

IZOBRAŽEVANJE JE ZA UDELEŽENCE BREZPLAČNO





