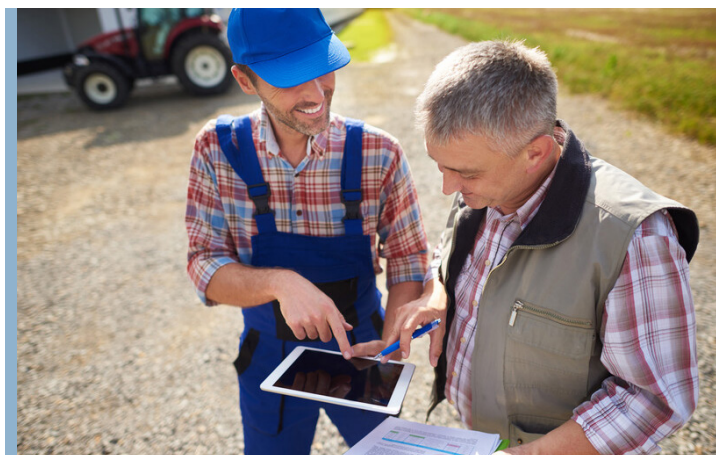




ERASMUS+ 2019-1-HU01-KA204-061083 PROJECT

01 September 2019 - 31 August 2021

Coordinator: GAK Nonprofit Ltd @ St Istvan University, Hungary



## NEWSLETTER 02 HIGHLIGHTS

- Design of the peer-to-peer learning process and learning content
- WiseFarmer Methodology
- Facilitator Trainings and Multiplier Events in Hungary and Serbia
- Use of digital tools in everyday management - Call for participation in the WiseFarmer Learning Programme
- Getting ready for the pilot

## Design of the peer-to-peer learning process and content (IO2)

The aim of IO2 was to develop the peer-to-peer learning program, the mentoring and facilitating process, setting the guidelines for the usage of the collaboration platform and other communication between participants, as well as the creation of learning content elements - in most of the cases, micro learning components - in digital format.

The requirements, templates, recommendations are contained in the Guide for Participants - both for farmer learners and advisory facilitators.

The Methodology document describes the main innovative learning approaches, the mentoring and facilitation roles, tasks, and related ethic concerns and rules. The highlighted cooperation methods include personal, online, and mobile chat-based channels.



Pair-mentoring  
 Peer-to-peer  
 Differentiated  
 Microlearning  
 Non-formal  
 Problem-Based  
 Intergenerational  
 E-learning  
 Blended

## Design and description of the learning methodology

As a first major task in the making of Intellectual Output 2, the project partnership carried out the design and description of the learning methodology which contains the process and the planning of the learning schedule with all the necessary elements for the successful implementation of the intergenerational peer-to-peer learning process: face-to-face workshops and online sessions, communication channels and tools to be used (interactive lessons, online platform, mobile apps), micro-exercises, templates. Accordingly, we have developed two different methodological documents, a WiseFarmer methodology, as well as a Guide for participants (farmers and facilitators).

## WISEFARMER METHODOLOGY

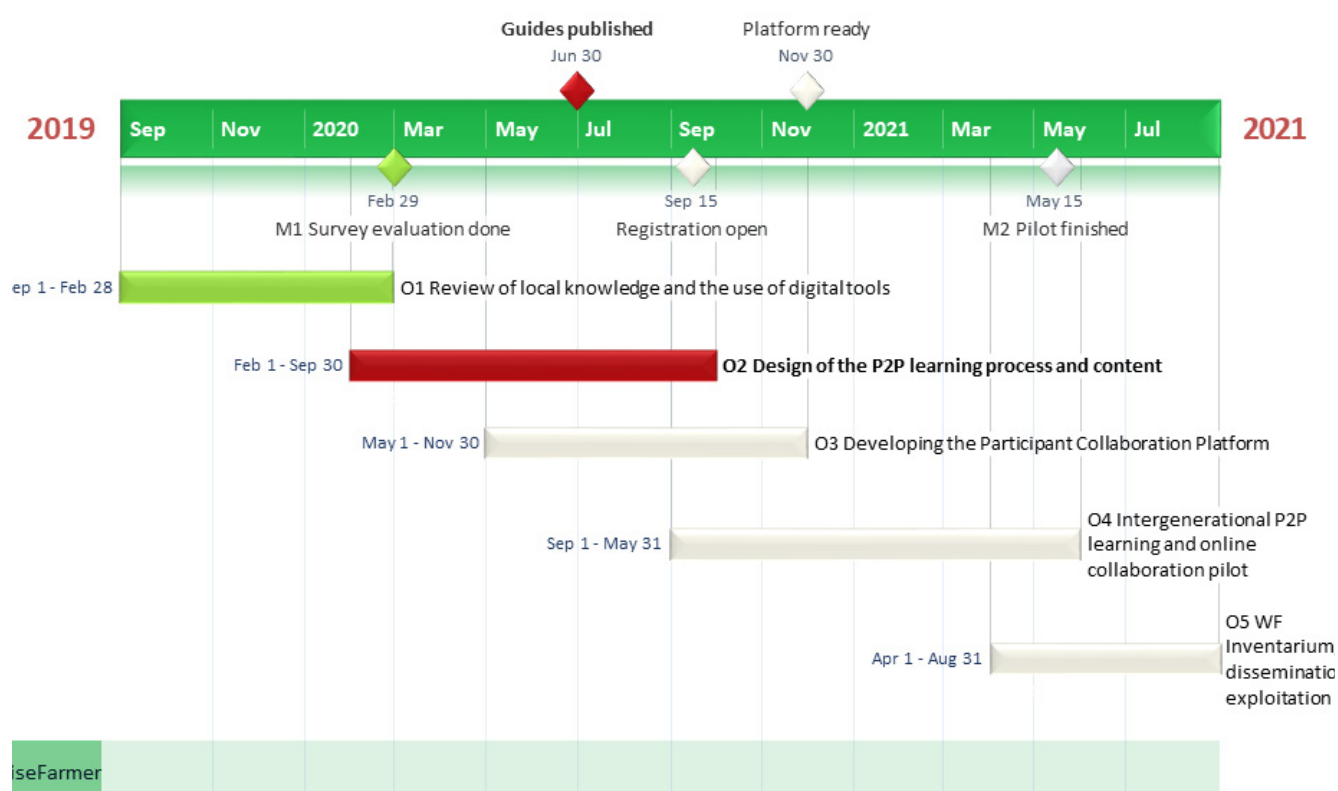
During the development of the methodology all partners collaborated by providing their experience, proven techniques, lessons learned and reviewing the development process and the result. The foundations and the basic principles of the learning program were laid down by GAK (Coordinator) in the project proposal document.

Based on the concept, the Methodology document describes the mentoring and facilitation roles, tasks, and related ethic concerns and rules in detail, providing a strong methodological background to the following core activities of the project.

The WiseFarmer Methodology is a targeted selection of innovative learning methods and state-of-the-art technology, discussed in the document with relevant examples and references, which allows other stakeholders in different countries, regions and locations to exploit project results.

The Methodology is shared on the project website ([www.wisefarmer.eu/results](http://www.wisefarmer.eu/results)) and after validation during the pilot learning activities it will be published as open asset in the WiseFarmer Handbook as well, to support the implementation of similar learning programmes.

## Output 2 in the project process flow



## Five of our own good practices



To support the learning of smart ICTs in farming, the coordinator has its own proven practices as well:

1. Observing agricultural data at the field level using mobile app and device;
2. Tracking the motion of farm machinery by GPS logger and automation apps, displaying on real time online map, connected to farm management software;
3. Pest forecast insect pheromone trap combined with android device for remote monitoring;
4. IoT solution for tracking the position of grazing animal (beef cattle), monitoring temperature and other data with visualization in a web browser;
5. Using NDVI satellite data on parcel map to follow the status of vegetation of plantations and crops, connected to farm management software.

## INTELLECTUAL OUTPUT 02 - RESULTS

### Wisefarmer Guide for Participants (farmers and facilitators)

The guide provides useful, practical information about the learning programme for farmers and advisors (facilitators) participating in the programme, and to serve as a guideline in the learning process.

The facilitators in the WiseFarmer project are experienced agricultural advisors, who coordinate the learning process and support the participating learners (preferably a learner pair, potentially consisting of one young and one elder farmer) through face-to-face events and online collaboration during the whole learning process. Facilitators are experts who are already in the field, working for many years supporting farmers, experienced, competent and neutral from business interests.



O2-A1 A tanulási módszertan létrehozása

WISEFARMER ÚTMUTATÓ  
RÉSZTVEVŐK SZÁMÁRA

► GAZDÁLKODÓK

SZERKESZETTE: SZÉCHENYI ISTVÁN EGYETEM (SZE)



O2-A1 Дизајн и опис методологије учења

ВОДИЧ ЗА УЧЕСНИКЕ  
ВИСЕФАРМЕР

► ПОЉОПРИВРЕДНИЦИ

ОДГОВОРНО: УНИВЕРЗИТЕТ СЕЉСКИХ ИСТВАНА (СЗЕ)



After the methodological preparations and documentations, the WiseFarmer consortium partners turned their attention and working efforts to the development of learning content, including its main structural building blocks, serving as categories, also titled as the **MAIN WISEFARMER THEMES**

which were based on the results achieved in the previous work phase by the analysis of the WiseFarmer project's survey among farmers, taking into consideration the specific properties of the two piloting countries, Serbia and Hungary.

The identified main themes are:

- Innovative production technologies;
- Applications for grants and e-government;
- Sales and purchases;
- Risk management;
- Farm administration and management.





***Farm advisors can play a crucial role as facilitators in intergenerational, peer-to-peer learning programmes organized for family farmers.***

## Learning content preparation for digital skills

In order to support the learning process during the so called Pilot phase with learning materials at hand, the consortium prepared the main possible modules, according to the developed methodology, the original project proposal, as well as the foreseen impact of the pandemic.

In the first half of the learning programme we plan to start with the introduction of the used channels and tools (mobile device, video chat and the e-learning platforms) followed by the content for basic internet usage (searching, down/uploading, file types, etc.) and the government gateway; while in the second half, emphasis is to be put on the documented good practices, allowing even more flexibility for the learners and the facilitators, to select the offered learning content like from a 'menu' of themes, practices and elements (and they are also invited to bring in their own good practices). The exercises usually contain a short introduction, a document attachment (ppt, pdf, word), video, interactive content (H5P), questions (quiz) and the problem-solving oriented exercise tailored separately for the learners (according to real farming context), and with separate remarks concerning the potential role of the facilitator. For the support of the learning documentation, we prepared guides for the video chat and e-learning modules as well. Parallel with the learning module, the partners designed a Knowledge Base, which will contain useful information about the technologies used during the learning process and collaboration phases. The form for online enrolment of learning participants was also prepared.

As the last major step of this busy work package, the project planned and prepared the learning materials for the **FACILITATOR TRAINING** which is to be offered for those farm advisors who will assist the farmer pairs during the learning Pilot. Because the online proportion of the blended programme is expected to increase due to the situation of the pandemic, causing restrictions in travel and reduction or elimination of face-to-face group meetings during the fall 2020, an additional emphasis was put on the topic of digital facilitation, beside the planned elements of communication, customer relations, conflict handling, as well as the technical information related to the Pilot implementation (platforms, channels, tools, tasks, etc.).



## Facilitator Trainings held in Hungary

29. SEPTEMBER 2020. KECSKEMÉT - 20. OCTOBER. 2020 MOSONMAGYARÓVÁR

The Hungarian partners implemented the training of facilitators in two steps and locations.

The first event was organized on 29 September 2020 in Kecskemét, at the demonstration and educational farm of the College of Horticulture.

In October it was followed in the West Hungary with the communication and digital facilitation training.



## Facilitator Training organized in Serbia

21. OCTOBER 2020. BELGRADE

The training of facilitators took place in Belgrade in the autumn of 2020 organized and led by WiseFarmer's Serbian partner, Institut za primenu nauke u poljoprivredi (IPN). During the all-day event, participants learned about the background of the project, and the Guide for Facilitators developed within the project. The topics of the second section were: Basics of conscious communication, conflict handling, customer relations and Facilitation of online events and the farminar approach. After the lunch break the WF e-learning and communication platform was presented and tested by the participants.



## Multiplier event “starting pilot” at 2 locations in Serbia

Multiplier events were focused on the preparation for O4-A1 - Recruitment of participants, mentor pairs and facilitators. During the Multiplier events in Serbia - starting pilot, participants who will be mentored in pairs were informed on WiseFarmer project tasks and goals, together with planned methodology and collaborative activities. The locations were the Farm Advisory Service in Jagodina (central Serbia) on 20. 11. 2020 and the Farm Advisory Service in Smederevo (near Belgrade) on 27. 11. 2020. therefore we anticipate good acceptance for the digital technologies as well.



## MULTIPLIER EVENT 1 IN HUNGARY

### The programme aroused great interest among farm advisors

The online event was organized on November 3 2020 by Széchenyi István University

The meeting was attended by **78 farm advisors** as well as other type of participants. The following topics were presented during the event:

- Background and overview of the WiseFarmer project - Dr. Gábor László Papócsi, GAK
- Results of the farmer survey - Mihály Csótó, WAN / GAK
- Consultants as facilitator - Dr. András Vér, SZE



## Getting ready for the pilot

Besides the methodological preparation and content development, the piloting countries also started the make steps to ensure the technical environment of the implementation of the learning test program (pilot).

In Hungary, the procurement of 30 android tablets was decided by the special opportunity of budget reallocation under the pandemic. The selected device became the Lenovo M10 LTE (with SIM card slot). This model seems as an optimal choice, based on its screen size, communication capabilities and mid-range quality and durability.

GAK has purchased (separately from the project) a drone (UAV), which is very much suitable for agricultural usage, and we are planning exercises when the face-to-face will be possible, and the weather favourable (April-May 2021).

The developer of one of the main farm logbook system (EU-Info) has made an offer to support the WiseFarmer learners by providing free accounts and on demand software development linked to the exercises.

We also set up the BigBlueButton platform for communication, especially for online events.



## LEARNING CONTENT AND PROCESS DEVELOPMENT

### Call for learner participants (farmers)

The following information was formulated for the open call:

#### Key information for learner participants (as of October 2020)

- Duration: October 2020 - 2021 April.
- Participation is free for farmers with approved registration.
- Venue: online (virtual), face-to-face meetings are planned for December 2020 and 2021 March.
- Because of the pandemic, the first planned face-to-face meeting will take place virtually in 2020 October.
- Technical platforms used: Web browser and android mobile applications.
- Farmers in lack of mobile device can apply for an android tablet from the project coordinator.
- Participants who successfully complete the learning programme will receive the certificate connected to the Erasmus + program and GAK / Szent István University.
- The farm advisors as “facilitators” assist in the accomplishment of tasks, practices, support the learning process .
- The participants will be provided free and open source tools and applications, in relation to the course exercises.



#### Stages of the learning programme:

##### I. Getting to know the learning environment and each other - November - December 2020

- General mobile device (android / tablet) usage, setting up the Google account, finding the WiseFarmer folder, running the apps and trying to install new ones.
- Getting familiar with the communication tool and learning platform.
- Meet each other, share our good experiences of mobile and web applications, favourites, best practices, needs, ideas up to now.
- Basic internet skills, emails, online communication, search techniques, tips and tricks, etc.
- Getting familiar with the learning platform, the WiseFarmer Knowledge Base.

##### II. Wise farming practices - January-April 2021

- Based on the learner participant (farmer) registration form, the profile of learners is identified.
- According to this profile, they will be provided with practical (farming related), problem solving oriented exercises, which require the use of digital tools, applications.
- Several of the practice assignments will come from the experiences of the first phase, according to the characteristics and needs of participating farmers.
- The practical exercises are formulated in a way that farmers can use their own farm data, and therefore realize their benefits right away.
- The piloting project partners collected and/or developed a number of practical tools based on ICTs in advance, by good farm advisory experience, according to frequently encountered problems and needs, and the most sought after service activities.
- Exercises are typically performed using mobile apps and web applications running in a mobile browser. The initial set of applications will be installed on the allocated mobile devices, and their download list is provided separately.





## ABOUT THE PROJECT

### WiseFarmer goal is to connect farm generations for learning

The project aims to develop the knowledge and skills of smallholder farmers of younger and older generations.

Participants collaborate in a common learning program for the exchange of knowledge, from one side in the use of digital tools, from the other side the crucial farming practices based on local knowledge.

## FURTHER INFORMATION

### Contacts of the project coordinator

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## WiseFarmer Project

CONNECTING FARM GENERATIONS

IN THE DIGITAL AGE

[www.wisefarmer.eu](http://www.wisefarmer.eu)

[learn.wisefarming.eu](http://learn.wisefarming.eu)

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