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## INTELLECTUAL OUTPUT 4. RECOGNITION METHODOLOGY

AGRO SILVER  
V A L U E

Integrating silver knowledge from agricultural sector into the VET systems

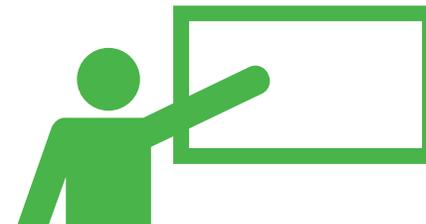


## RECOGNITION METHODOLOGY. Introduction

As it was displayed in the project description, the share of farm holders having any kind of training is less than 30%, with less than 10% having full agricultural training.

In some of the partner regions the figures are even worst, with Bulgaria showing less than 0.4% of farm managers having full training, or Greece with a 0,6%. Just France is a best sample in Europe with a 35% of farm managers having full agricultural training, while Spain and Malta are below 2%.

In this context, creating tools for the recognition of the non-formal and informal training is necessary in order to recover farmers to the formal VET. This tools have to be mixed with a proper teaching system more attractive and work-based.





## RECOGNITION METHODOLOGY. Introduction

AgrosilverValue proposed a methodology to recognize the agroecology knowledge of farmers, in order to introduce them in the VET system.

The recognition process has been based on video recording, either through interviews or by free speaking about specific knowledge. The farmers have recorded videos and these videos have been processed by the software in order to identify the learning outcomes that the farmer is proving to have.

Depending on the knowledge identified through the videos, the recognition methodology has proposed automatic recognition levels or complementary training required in order to introduce the farmer in a formal itinerary.

As many levels of knowledge can be validated and recognised, the consortium has identified some specific topic, material and level of knowledge to be validated by the methodology.

This validation process has been used in the TG5 in parallel to the pilot courses.



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## RECOGNITION METHODOLOGY. Innovation of the output

The recognition methodology has provided a new tool for the recovery of learners to the VET system, creating a system that is not currently available in the project organizations.

Moreover, the integration of the methodology in the software and the validation of knowledge through the software add a value non existing at EU level.

This innovative character has been unique and it has allowed to facilitate and accelerate the recognition of knowledge.





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### RECOGNITION METHODOLOGY. Transferability and impact

The validation process has been tested on 5 farmers during the pilot courses (as a parallel and independent process).



Сава консултира и вдъхновява млади предприемачи да следват неговия пример | Sava advises and inspires young entrepreneurs to follow his example

27 views | 0 0

**Soil Quality & Health** **Other Crops**

[View Video](#)



Vision d'un agriculteur français sur l'agro écologie et la formation | Vision of a French farmer on agroecology and training

10 views | 0 0

**Biodiversity**  
**Introduction to AgroEcology**

[View Video](#)



Questionnaire for validation of knowledge Malta

16 views | 0 0

**Soil Quality & Health**  
**Introduction to AgroEcology** ...

[View Video](#)



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## RECOGNITION METHODOLOGY. Transferability and impact

Presentation of the recognitions carried out:

From Bulgaria: Sava advises and inspires young entrepreneurs to follow his example

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AGROSILVER VALUE

More Info Search Videos Advanced Video Search Search Users Upload video Profile Log Out

Details Words Transcript Evaluation

The farmer demonstrated a deep interest and knowledge of traditional plant fertilization and protection methodologies gained from experience, his family, other farmers and independent research.

Rating

- No good
- Good
- Excellent

Make Evaluation

EDIT VIDEO

Сава консултира и вдъхновява млади предприемачи да следват неговия пример

Sava advises and inspires young entrepreneurs to follow his example

Karel Van Isacker

Evaluation made by Greece and Malta



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## RECOGNITION METHODOLOGY. Transferability and impact

Presentation of the recognitions carried out:

From France: Vision of a French farmer on agroecology and training

The screenshot shows the AGROSILVER platform interface. On the left is a video player with a man speaking in front of plants. The video title is "Vision d'un agriculteur français sur l'agro écologie et la formation". Below the video are like and dislike buttons. On the right is an evaluation form with tabs for "Details", "Words", "Transcript", and "Evaluation". The "Evaluation" tab is active, showing a text box with the evaluation text: "The video offers info about the usage of tobacco as a repellent with tomatoes, as it attracts the vermin and avoids that they attack the tomatoes." Below the text box is a "Rating" section with three options: "No good" (red sad face), "Good" (yellow neutral face), and "Excellent" (green happy face). The "Excellent" option is selected. There is a "Make Evaluation" button and an "EDIT VIDEO" button.

Evaluation made by Bulgaria and Spain



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### RECOGNITION METHODOLOGY. Transferability and impact

Presentation of the recognitions carried out:

From Malta: Questionnaire for validation of knowledge Malta

The screenshot shows a video player on the left with a man speaking. The video title is "Questionnaire for validation of knowledge Malta" by Mark Grech, dated 13/07/2023. The video content includes the subtitle: "Now what is its purpose? Its purpose is for you to increase the amount of nutrients in the soil so that the plants are they can grow better and give better fruit." On the right, there is an "Evaluation" tab with a text box containing the text: "The interviewee is an expert in soil fertilization and organizes courses on this. With 34 years of experience, he believes it is important to combine experience with academic knowledge." Below the text box is a "Rating" section with three options: "No good" (red sad face), "Good" (yellow neutral face), and "Excellent" (green happy face). The "Excellent" option is selected. There is a "Make Evaluation" button and an "EDIT VIDEO" button.

Evaluation made by Greece and Spain



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## RECOGNITION METHODOLOGY. Transferability and impact

### Presentation of the recognitions carried out:

From Greece: Mr. Manolis Perdikakis, an organic farmer with empirical knowledge of agriculture, talks about the acquisition and dissemination of this knowledge in the field.

The screenshot shows a video player on the left with a video of Manolis Perdikakis. The video title is "ασχολούμαι με την" and the duration is 0:11 / 3:00. Below the video, the name "Μανώλης Πεδικάκης" and "Manolis Perdikakis" are visible, along with a share icon, a like button (0), and a dislike button (0). The uploader is "Carolyn MAICH" and the video was uploaded on "25/07/2023" with "15 views" and "0 downloads".

On the right, there is an evaluation form with tabs for "Details", "Words", "Transcript", and "Evaluation". The evaluation text reads: "This is the presentation of an experienced farmer on his practices and his vision of training. Its priority seems to be the management of water and climate-related diseases." Below the text is a "Rating" section with three options: "No good" (red sad face), "Good" (yellow smiley), and "Excellent" (green happy face). The "Excellent" option is selected. A green "Make Evaluation" button is at the bottom right of the form, and a black "EDIT VIDEO" button is below it.

Evaluation made by Bulgaria and France



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## RECOGNITION METHODOLOGY. Transferability and impact

### Presentation of the recognitions carried out:

From Spain: Daniel Álvarez, a young farmer from Extremadura, tells us about his experience and knowledge in the cultivation of olive trees and vineyards.

The screenshot shows the AGROSILVER platform interface. On the left is a video player with a video titled "Daniel Álvarez. Validación de conocimientos. España". The video content shows a young man in a green t-shirt standing in a field with olive trees. Below the video player are social media interaction buttons (likes, comments) and metadata including the uploader's name "Verónica Luna", the date "01/08/2023", and "12 views · 0 downloads". On the right side of the interface is an "Evaluation" tab. It contains a text box with the following text: "This is the testimony of a young farmer who presents very well the origin of his knowledge, for him the theory learned at school serves as a basis but is insufficient." Below the text box is a "Rating" section with three options: "No good" (red sad face), "Good" (yellow neutral face), and "Excellent" (green happy face). The "Excellent" option is selected. There is a "Make Evaluation" button and an "EDIT VIDEO" button.

Evaluation made by:  
Spain  
Malta  
France



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### RECOGNITION METHODOLOGY. Transferability and impact

Additionally, project partners and other VET centers have used the recognition system and validate another 20 farmers outside of the project, by modifying the recognition tool in order to cover other topics and knowledge.

The SUSTAINABILITY and use of these system after the EU funding is the reason of including a Task in the GT Management, dedicated to the analysis of the Business Model and Economic Sustainability.





## RECOGNITION METHODOLOGY. Transferability and impact

The EXPLOITATION PLAN has analyzed the potential exploitation level of the recognition system, identifying best key actors to receive this output and to profit from it.

The plan has taken into account the completion date of the recognition, the results of the validation process for the 5 farmers, and has defined the Vet centers, authorities or direct farmers with capacity to use it. The plan specifies:

- Objectives of sustainability actions, collectively and by individual partners
- Identification of best exploitable assets of the recognition tool and the priority assets
- Measures for successful exploitation of the output





## RECOGNITION METHODOLOGY. Tasks leading to the production of the intellectual output and the applied methodology

The share of work in the development of the recognition methodology and its implementation in the software is:

- Ecologykm, CALeG and Maich have identified the formal contents and topics to be validated in the recognition process. These partners have led the selection of topics from the national formal itineraries with more potential to be validated by a video interview, or a video on-site experience.

- INPLA has coordinated the integration of the methodology in the software, in cooperation with FundeuTAD, and accommodate it to the topics and knowledge selected by the consortium.

- INPLA has led all partners with pilots in the selection of 1 or more farmers having basic experience and non-formal training. The selected farmers have tested the methodology by recording interviews.

The partners have led the farmers in the process, guiding them in the topic and knowledge to be explained in the videos.

- Every partner has introduced the videos in the software and has achieved a report of knowledge certified in the videos.

- INPLA has gathered the results of the testing.

- JuntaEX and GOZ have validated the final report in terms of usability by administrations.



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## RECOGNITION METHODOLOGY. Tasks leading to the production of the intellectual output and the applied methodology

The recognition methodology is the intellectual outputs consuming less resources of all the outputs, **with 62 days of technicians work and 69 of teachers.**

The involved tasks for the delivery of this intellectual outputs are:

TG2. MARKET ANALYSIS (Preparation) leader FundeuTAD.

GT3 DATA PLATFORM (M1 to M9) leader Maich

GT4 SILVERKNOWS SOFTWARE (M2 to M16) leader FundeuTAD

TASK 4.1. Development of SilverKnows Software (M1-M16)



## RECOGNITION METHODOLOGY. Tasks leading to the production of the intellectual output and the applied methodology

GT5 RECOGNITION TOOL, LEARNING UNITS AND PILOT COURSES (M16 to M30) leader  
Ecologykm

TASK 5.1. Recognition Tool (M12-M23)

Partners have promoted recognition methodology to be integrated in the software. Consortium has identified the formal contents and topics to be validated in the recognition process.

The methodology has been applied to the selected topics and integrated in the software for video processing.

The objective is to ease the recognition process by recording farmers in their daily work and interviews, and use the software to process the provided answers and obtain recognition reports.





## RECOGNITION METHODOLOGY. Tasks leading to the production of the intellectual output and the applied methodology

### TASK 5.3. Pilot courses (M23-M30)

In order to test the software usability, one pilot course has been developed in 5 countries, involving a minimum of 20 teachers per pilot course.

In addition to the teachers, the pilot has carried out the testing of the validation methodology, taking 1 farmer per country and checking the usability of the recognition tool.

INPLA has coordinated the process with the partners, which has selected the farmers to participate in the knowledge validation process. 5 farmers has tested the software and have got a validation report.

INPLA has gathered the results from the testing of the methodology in a final report.





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RECOGNITION METHODOLOGY. Tasks leading to the production of the intellectual output and the applied methodology

## MILESTONES OF THE OUTPUT

- Recognition methodology (M23, validated in workshop 4)
- 5 farmers testing the recognition system and validating their knowledge. (M30)
- 1 report with results of the recognition testing results (M30)



## **RECOGNITION METHODOLOGY. Tasks leading to the production of the intellectual output and the applied methodology**

### **INNOVATION AND BENEFITS**

One of the most important aspects in this recognition methodology has been the creation of a system which allow the multi evaluation of skills in parallel through the participation of several teachers or validators.

Thanks to the Software, and the application of the Methodology in the Software, the recognition of skills from farmers, or even teachers, can be done at international level, with the participation of teachers from different countries evaluating the same knowledge from their location.

Indeed, this can be done by any teachers having the proper English knowledge, if the farmers is delivering the interview in English, but in 99% of times this will not be the case

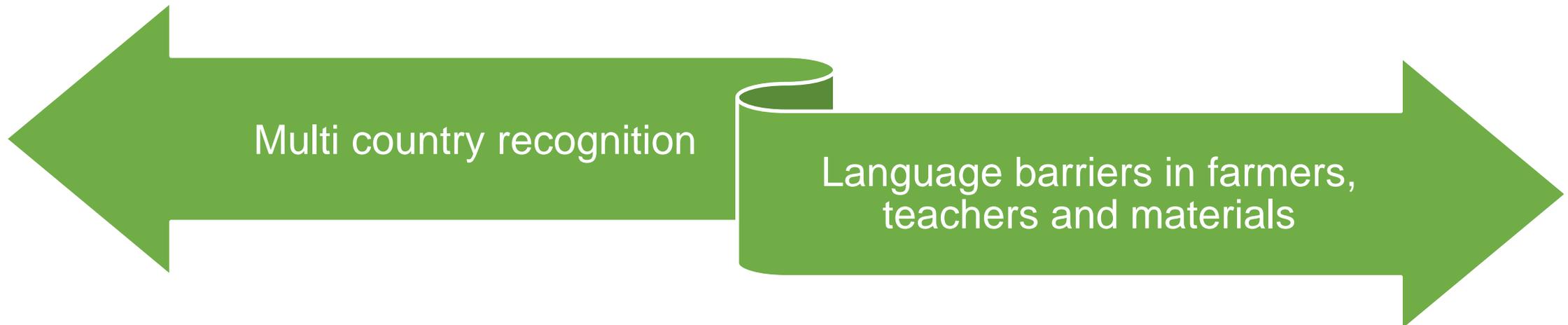


**RECOGNITION METHODOLOGY. Tasks leading to the production of the intellectual output and the applied methodology**

**INNOVATION AND BENEFITS**

Thus, the recognition of knowledge was confronted with simple barriers:

- Farmers are not usually multi-language skilled
- Teachers, in a so specific field as agroecology, are not necessarily skilled in English.
- Translations of exams, materials or CV was costly and not efficient.





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**RECOGNITION METHODOLOGY. Tasks leading to the production of the intellectual output and the applied methodology**

**INNOVATION AND BENEFITS**

Doing the recognition through videos, and processing the video through the software, as allowed that any farmer in Europe can be multi validated and recognised by teachers in other countries, breaking with one tool the previously mentioned barriers.

In Agrosilver, the recognition has been made in a international system, where the national videos from farmers were validated by teachers in other countries, thus having a full view of the farmers skills considering a real EU wide knowledge.

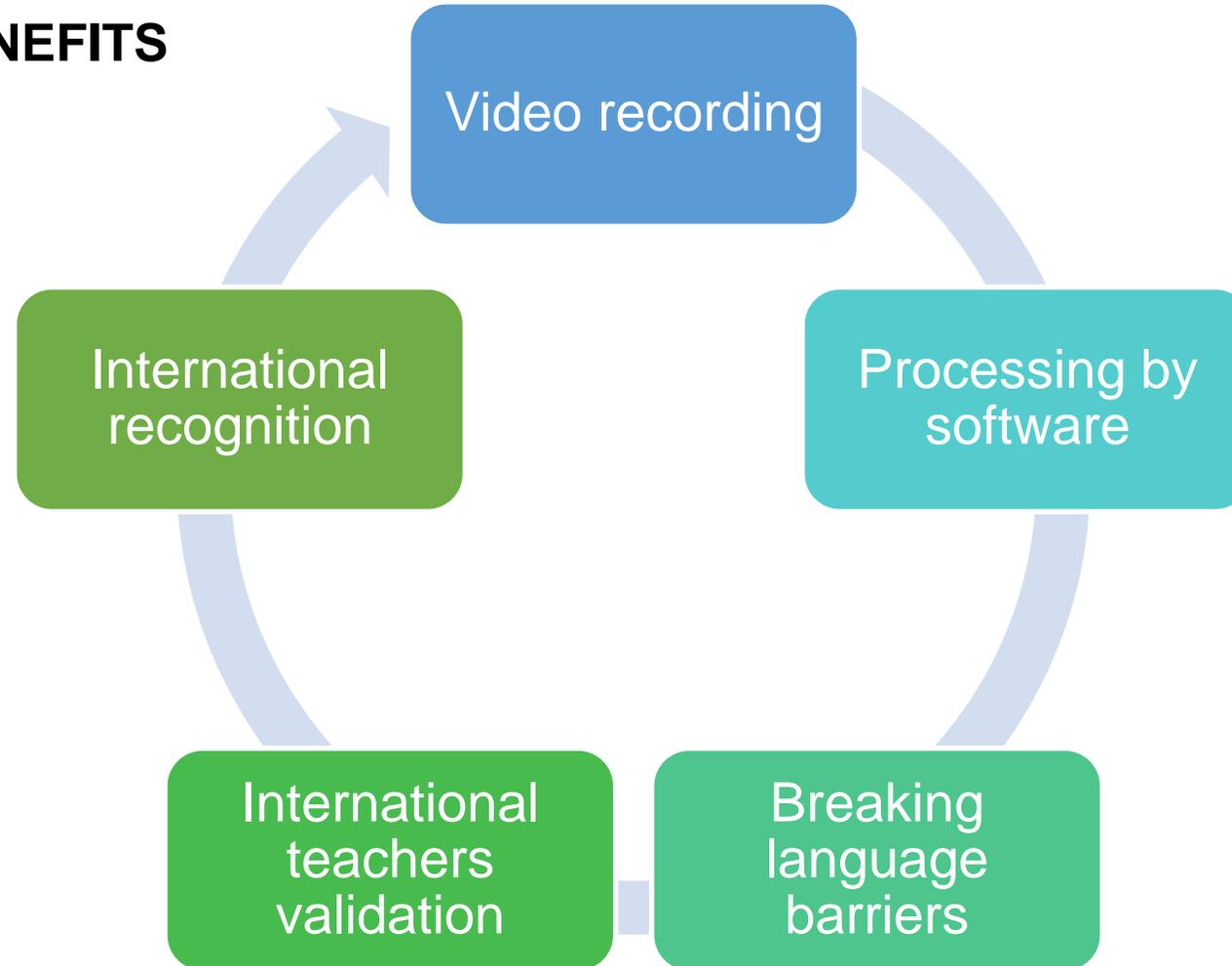




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**INNOVATION AND BENEFITS**





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