



Newsletter # 3

February 2023

# PROJECT BEEPRO

November 1st, 2021 - November 1st, 2023

The BeePro ERASMUS+ project has the final goal of contributing to fight against the progressive loss of bees, through innovative training content and interactive educational methods.

In recent years bees are suffering a progressive population decline worldwide. There is great concern about the environmental and economic consequences of this loss because bees, along with other pollinators, are essential for the balance and maintenance of ecosystems and the world's food production. To find a balance between nature and the use of chemicals for growing crops, we need to learn how to use plant protection products properly and effectively, in order to minimize the negative impact on the environment.

This is why BeePro project intends to create a Curriculum and interactive training contents and useful tools for VET organisations, teachers of VET students, farmers and beekeepers as well as for agricultural advisors, in order to update their knowledge on organic beekeeping and proper use of plant protection products and fertilizers in agricultural production.



Photos source: [www.maoa.gob.es](http://www.maoa.gob.es)

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## Objectives:

Eliminate the **loss** of bees caused by **improper** use of agricultural **pesticides**.

Update and improve **knowledge** of VET students, organizations, **farmers**, and people working in the farm production area in the field of **organic** beekeeping and proper **usage** of the chemical plant protection products and **fertilizers**.

Create the **Curriculum** and **Interactive** training content focused on **organic** beekeeping and development of interactive **training**.



# ONGOING PROJECT RESULTS

The two first project results (R1, R2) are almost finished.

**R1: BeePro Curriculum** describes in detail competences, EQF level, knowledge and skills obtained by learner. It also includes State of the Art that contains crucial information about the current threats, necessities, abnormalities in the agriculture in relation to bees in all partner countries as well as in Europe. It consisted of a desk research and a survey made on the relevant group of beneficiaries in the five countries.



**R2: Virtual Learning Environment with Training Content**. This is the main tool for the delivery of training. It is an E-learning platform, based on free and open-source learning management system (LMS) Moodle. The developed training content include nine Modules:  
M1-Introduction,  
M2-Bees in the nature,  
M3-Pesticides (Insecticides, Fungicides, Acaricides, Herbicides, Rodenticides and other pesticides),  
M4-Fertilizers,  
M5-Organic practices in agricultural production,  
M6-Organic beekeeping,  
M7-Healing of beehives,  
M8-Health of bees,  
M9-Case studies.



## WHAT NEXT?

In the coming weeks, the translation of training content into all project languages will be carried out. After that, in April, its final validation will begin through an online Pilot Testing activity with the participation of about 100 people from the 5 project's countries.

Project partners agreed to meet next time in Poland. The 3rd BeePro meeting is planned for March 23rd and 24th, 2023, and is going to be organized by the partner organization Association ARID. Partners will evaluate the first year of the project's lifetime.

### Foreseen Activities:

- Translation of training content into all project languages
- Meeting in Poland
- Pilot testing activity
- Elaboration of the BeePro Handbook

Finally the BeePro Handbook (3th result of the project) will be created, with the previously developed training content, adapted after the testing phase, as main part of the handbook but also containing additional elements. The handbook will have an attractive shape, in printed and electronic version available on-line and offline.

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