



# Tools for farmers for applying sustainable farming practices

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# Introduction

Organic agriculture benefits

## Products

More Nutritious  
Healthier

## Environment

Enhancement  
of biodiversity  
Soil health  
Ecosystem  
services



## Society

Human health  
Heritage  
conservation

## Economy

Increase profit  
by minimizing  
input use



Robust agroecosystems  
with Increased ability of  
resistance and resilience  
to stress

**Sustainable form of agricultural  
management**

**Share 9.1% in 2023**

**Europe's target: 25% by 2030**



Reduced need for  
external inputs due to  
self regulated  
ecosystems

# Introduction

Greece has favorable conditions for the growth of many different crops

Hesitance towards organic cultivation



"Organic farming without organic products" 2013.  
Argyropoulos C., Tsiafouli M., Sgardelis S, Pantis J.D.,  
Land Use Policy, 32, 324-328,

# A knowledge platform for organic farming

For covering the need for systematic technology transfer supporting organic farming growth



Operational  
Group

- 10 partners
- Aristotle University - coordinator
- 2 Universities
- 3 Advisors
- 2 Farmers
- 1 Farmer Association
- 2 Companies



## Multi-actor approaches



Με τη συγχρηματοδότηση της Ελλάδας και της Ευρωπαϊκής Ένωσης



# Pillars of action

Solutions

## 1. Scientific knowledge

Reliable published scientific knowledge presented in a simple and understandable form Farmers gain direct access to practically unreachable information

## 3. Multi-Actor methods

Creation and improvement of the platform through discussion and testing with end users

## 2. Empirical knowledge and experiments

Gathered, tested, evaluated. Preserves valuable knowledge from organic farmer long term experience

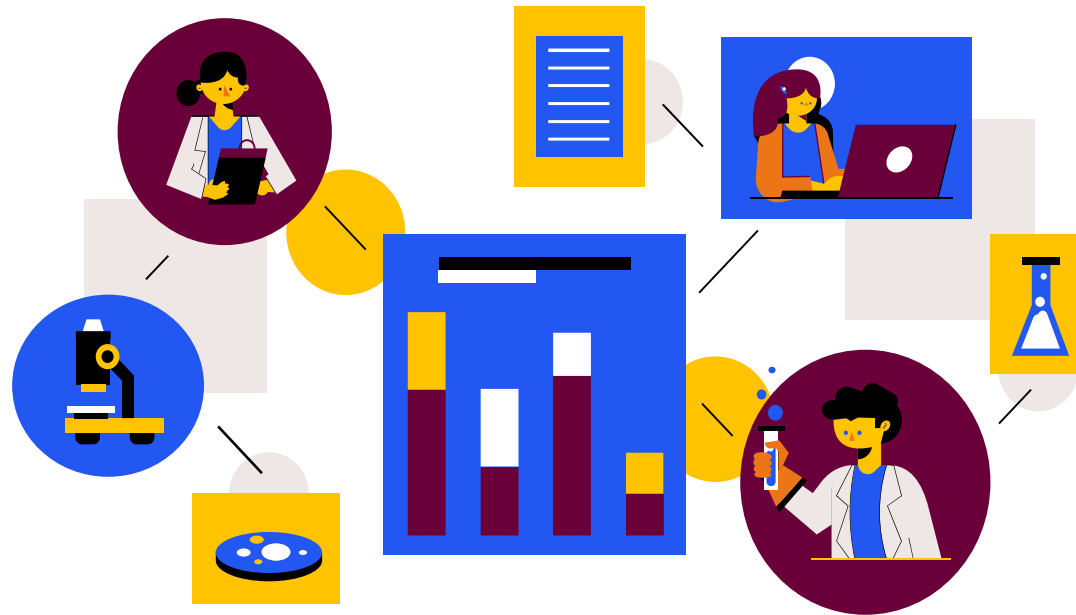
## 4. Training

Training of farmers for best use of the platform

## 5. Dissemination and networking

Dissemination actions (e.g., workshops, conferences, publications, social media,

EIP-AGRI, expansion of the group's collaborations



# Methodology

Platform construction

## 2. Farmers evaluated empirical knowledge database 4. Platform testing

Farmers (unpublished) knowledge evaluated by field testing (in fields, greenhouses of the group members) and evaluation. Collection, and classification of information.

Application testing through usage scenarios by real users (group members and their network of collaborators) and feedback-improvement of the application

01

02

03

04

05

## 1. Scientific knowledge database

Collection, evaluation, classification of information related to efficient organic management practices and input use

## 3. Development of platform

Development of a dynamic Expert System (development of software for PCs & mobile devices/tablets) and integration of data from 1. and 2.

## 5. Training of users

Open for interested farmers outside consortium

# Methodology

Main Sectors of the platform

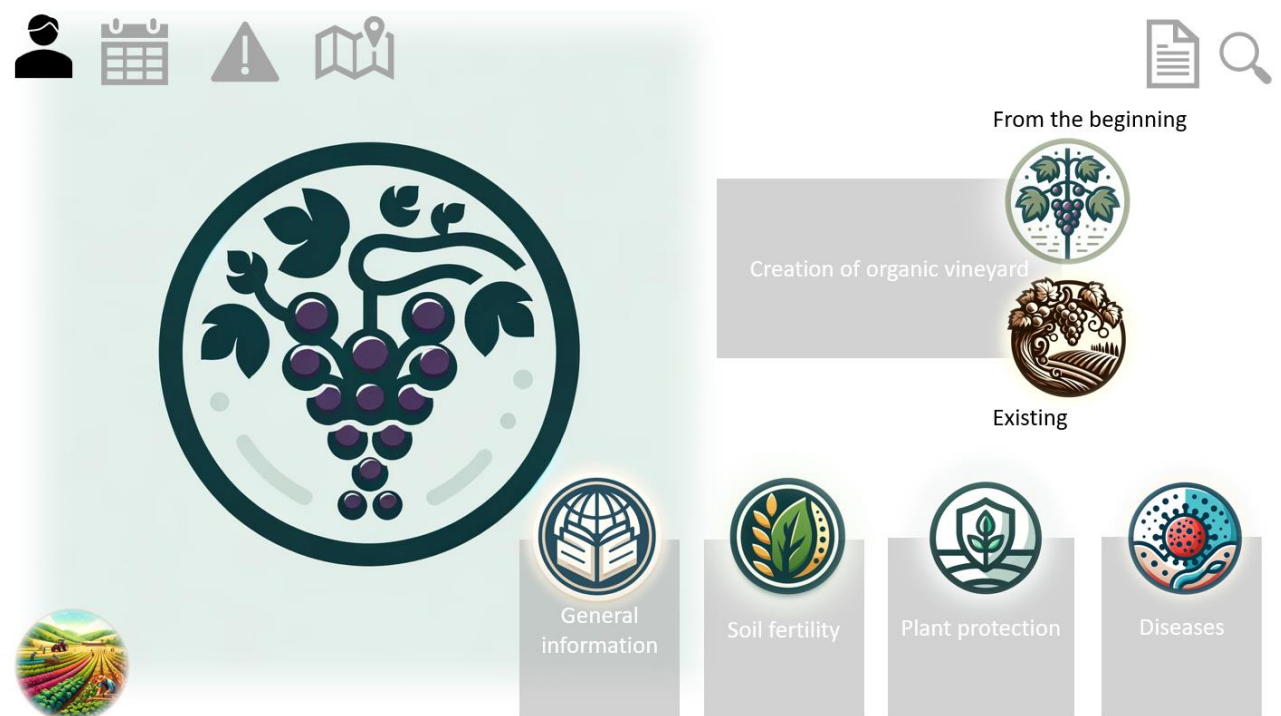
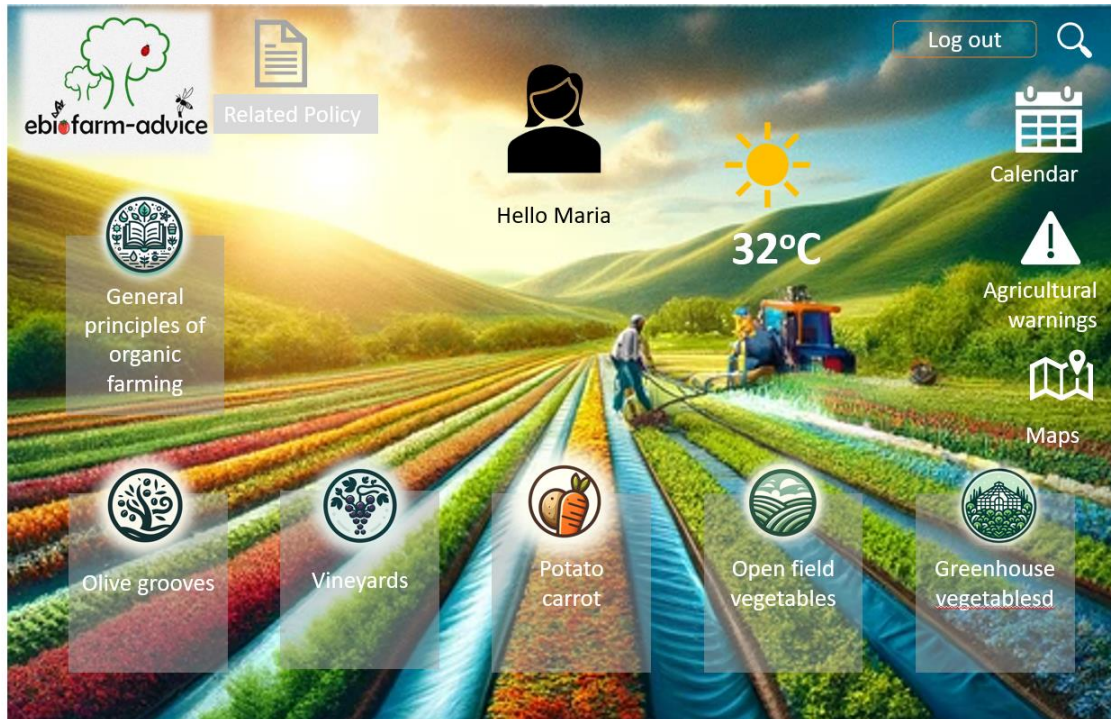


**Sustainable farming**

**Management practices for soil and plant health (Prevention)**

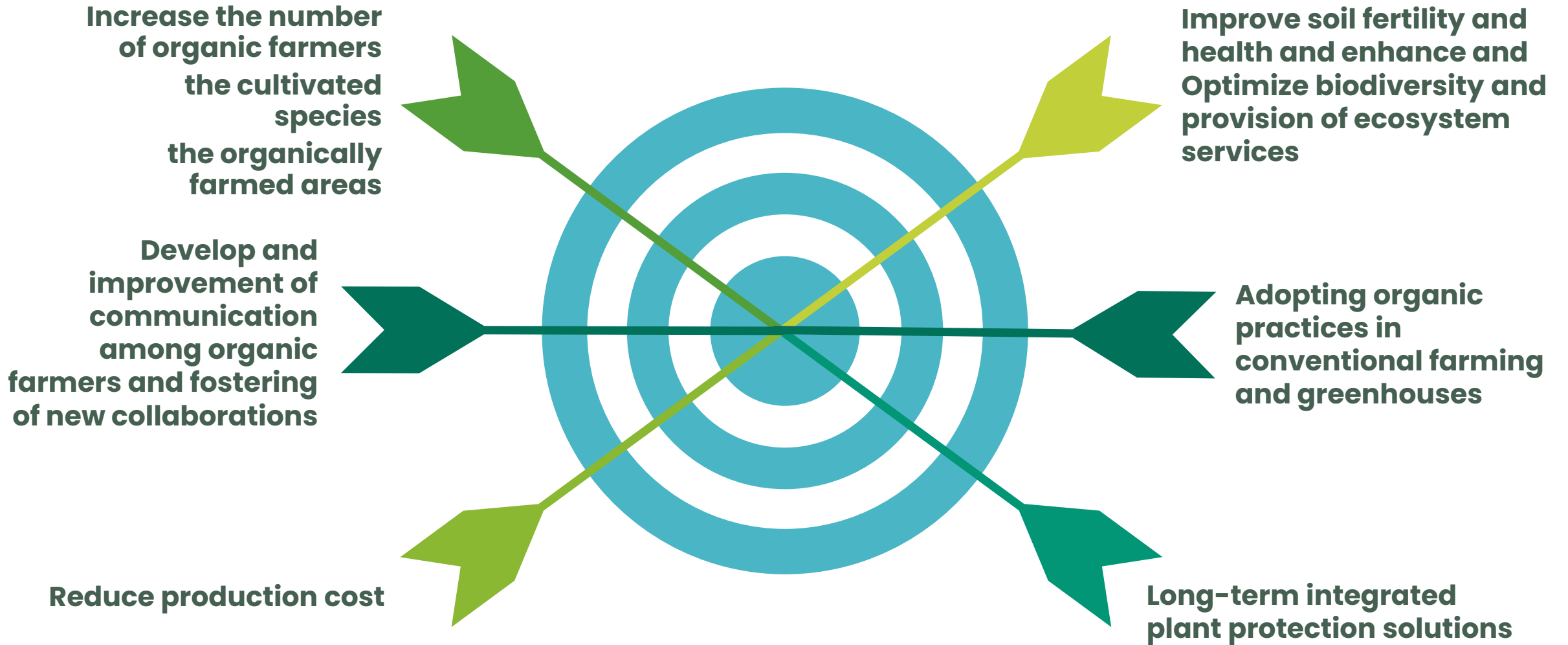
**Problem Identification (pest, diseases etc) and Solution**

# Platform interface





# Expected results



# Please collaborate to the enrichment of the platform by completing and sharing the questionnaire

<https://docs.google.com/forms/d/1PgkoV-d-8unOSJ4Cw9yaynvEza7VnXPgl2wFDZUskkc/edit?ts=670cea5c>

## Solutions for decreasing the use of inputs (pesticides, fungicides, fertilizers etc)

This questionnaire aims to collect information on alternative inputs and methods that help decrease the need of inputs. The questionnaire has been build in the framework of the project Ebiofarm-advice, which is an EIP Agri Operational Group coordinated by the Aristotle University of Thessaloniki, Greece. The project ebiofarm-advice aims to construct a knowledge platform for helping organic farmers in managing their crops. For more information please visit the website: <https://ebiofarm-advice.web.auth.gr/>  
Social media: Facebook: Ebiofarm-advice, LinkedIn: ebiofarm advice

Please add your input to the questionnaire and indicate if you would like to share your proposed solution to the platform of ebiofarm-advice. For any comments and questions, please contact the project coordinator Dr. Maria Tsiadouli ([tsiadouli@bio.auth.gr](mailto:tsiadouli@bio.auth.gr))  
Thank you in advance for your participation. Please share the questionnaire link to your colleagues.



# THANK YOU



 Ebiofarm-advice

 ebiofarm advice



ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ ΑΓΡΟΤΙΚΗΣ ΑΝΑΓΕΝΕΣΗΣ  
Η Εφορία ενισχύει την αγροτική παραγωγή



ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ  
ΥΠΟΥΡΓΕΙΟ ΑΓΡΟΤΙΚΗΣ ΑΝΑΓΕΝΕΣΗΣ ΚΑΙ ΤΡΟΦΙΜΩΝ



ΕΣΠΑ  
2014-2020  
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