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FISH
Farmers
Innovation
Science
Hub



Proyecto Erasmus+ KA 210

www.hydroedulab.eu



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¿What is the FISH project?

Farmers Innovation Science Hub is an ERASMUS+ project whose main objective is to **promote environmental sustainability and food security** by improving resource efficiency -mainly water- through the implementation of new techniques that combine traditional methods with new techniques and technologies (hydroponics, aquaponics, electronic sensors, etc.)..

In this way, the aim is to improve the vegetable production of an orchard and complement it, if desired, with the cultivation of fish.

It is aimed at both farmers and farmers and stockbreeders who produce on a small and medium scale as well as social groups and individuals who want to improve their self-consumption.



¿What are the objectives of the FISH project?

Farmers Innovation Science Hub has as its main objective to promote environmental sustainability and food security by improving the efficiency of resources, mainly water.

Specific objectives include:

- 💧 To promote learning opportunities and the development of knowledge and skills in adults..
- 💧 To provide practical tools for the improvement of plant and fish farming.
- 💧 To contribute to the protection and conservation of the environment.
- 💧 To increase the resilience of people and communities through the implementation of sustainable productive systems that improve food security.



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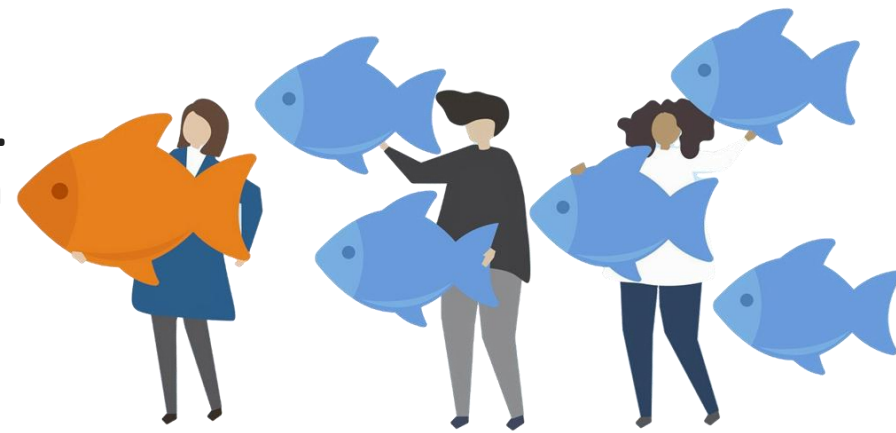
¿Who are the participants in the FISH project?

It is aimed at small and medium-scale farmers and livestock farmers as well as at social groups and individuals who want to improve their self-consumption.

The project is **aimed at adults from Europe**, preferably from Spain, Portugal and Italy. In this sense, two target groups are differentiated according to different profiles of adults:

1. People with experience and knowledge who already develop production initiatives for educational, leisure and/or self-consumption purposes and who are part of a collective (such as a market gardeners' or socio-cultural association), institution (such as educational centres or university) or have a professional activity (extensive production farmers and stockbreeders).

2. Individuals interested on an individual basis and at a household level or scale. They are people with more or less knowledge and experience in self-consumption initiatives.



The project's priority group is the first.

Actions developed by the FISH project

- Research on sustainable production in Europe.
- Creation of a didactic handbook with good practices.
- Training course on sustainable production in Portugal.
- Hydroponics training course in Italy.
- Aquaponics training course in Spain.
- Multiplier event on FISH best practices.



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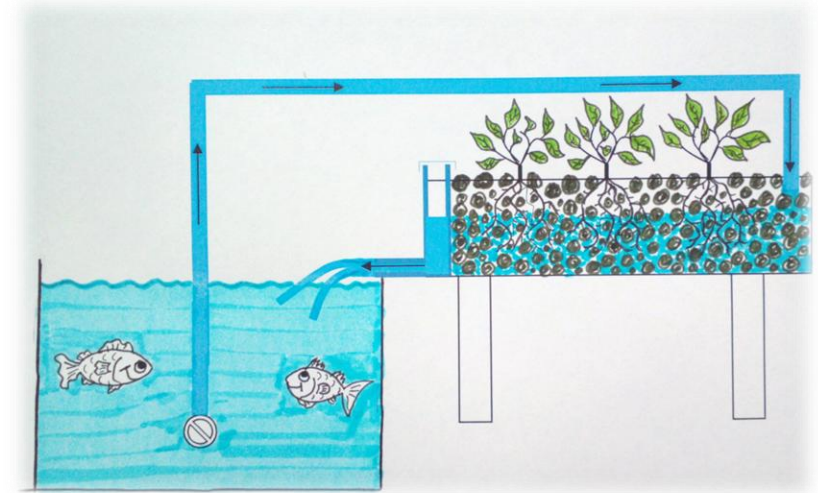
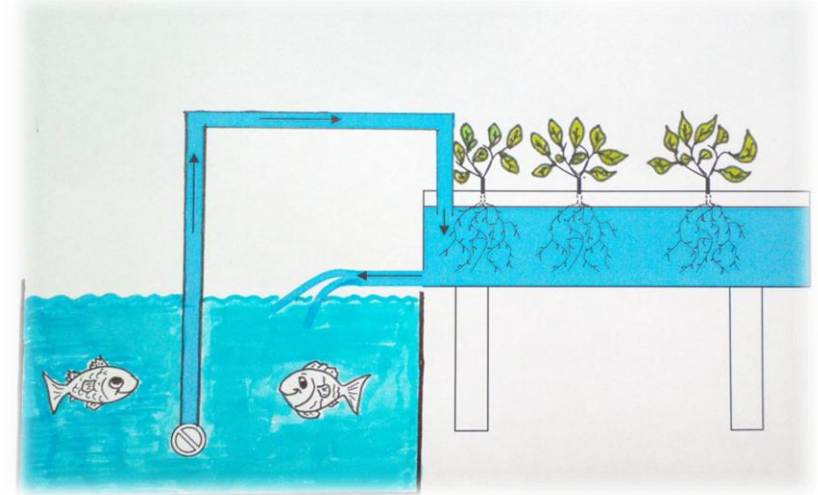
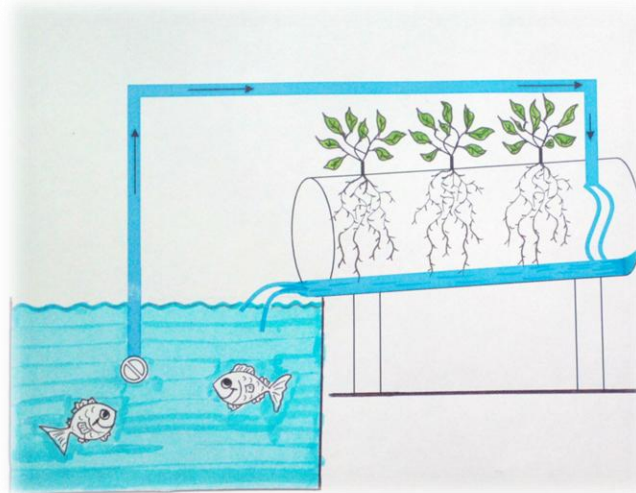


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Research on sustainable production in Europe and creation of a didactic handbook with best practices

Creation of **research** to compile the best available techniques and practices for the sustainable production of plant species, including hydroponics and aquaponics techniques.

This will culminate in the design of
of **teaching materials**
-a PDF manual including
video tutorials - to make learning
in a simple way.



Training course on sustainable production in Portugal

Conducting a **training course on sustainable agricultural production** that provides the knowledge and skills to enable recipients to produce in a more environmentally friendly way while becoming more environmentally aware.

The main objective of the course is to learn how to create a simple and efficient production system that is inexpensive and easy to maintain, including species indigenous to each region, which facilitates the efficiency and resilience of the crop.

The course will be held in **Vila Pouca de Aguiar (Portugal)** on **21 and 22 April 2025**.



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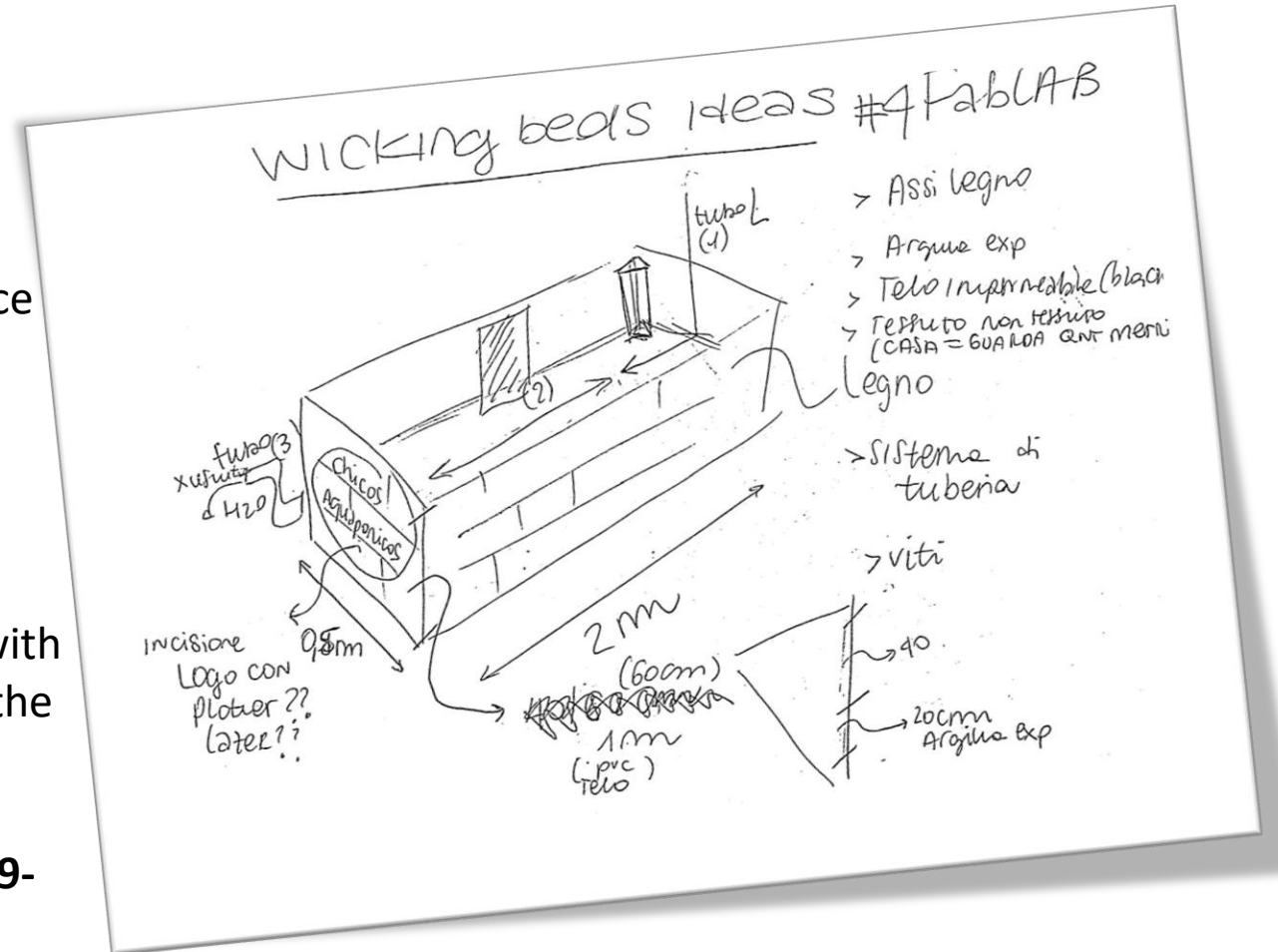


Hydroponics training course in Italy

Conduct a **training course on hydroponics**, providing the knowledge and skills to which provides the knowledge and skills to enable the recipients to enable recipients to produce in a more sustainable way while becoming more environmentally aware.

The main objective of the course is to learn how to build **Wicking Bed** prototypes, on a small scale, in order to understand in a more practical and efficient way together with the participants, the theoretical and practical operation of the system.

The course will take place in **Omegna (Verbania, Italy)** on **19-20 May 2025**.



Aquaponics training course in Spain

Conducting a **training course on aquaponics** to provide the knowledge and skills to enable recipients to produce in a more environmentally friendly way while becoming more environmentally aware.

The main objective of the course is to learn how to build aquaponic prototypes based also on aquaponics principles. The theoretical and practical functioning of the system is explained in a practical and efficient way together with the participants.

The course will be held in Seville (Spain) on 2 and 3 June 2025.



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Multiplier event on FISH best practices

Holding a **training event** on more sustainable production in which knowledge and skills for sustainable farming using innovative techniques in hydroponics, aquaponics and using digital media for easy monitoring are given.

The main objective of the event is to present all the techniques that can be used and to present the actions carried out in the project, both the conclusions and the aquaponic construction created in the training course on aquaponics, as well as the contents developed in the other training courses and in the manual resulting from the research that has been carried out.

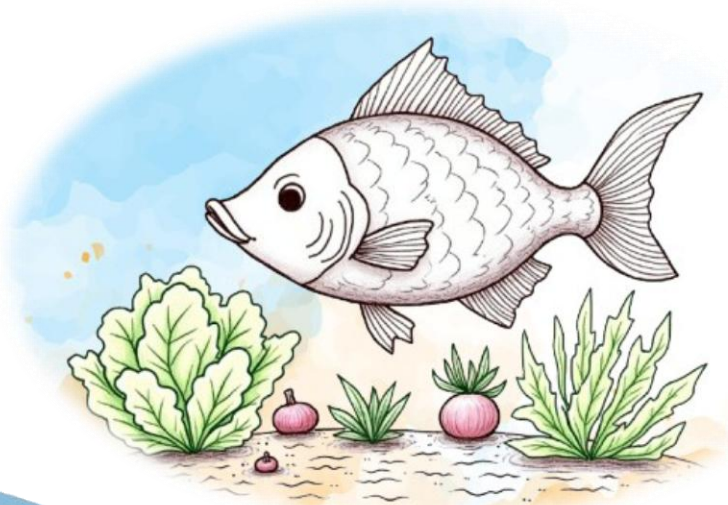
The course will take place in **Seville (Spain) on 3 June 2025 in the afternoon.**



More information

To know more about the project you can enter on our website www.hydroedulab.eu

or write to us at europe@imaginaedoc.com



A screenshot of the FISH Farmers Innovation Science Hub website. The header includes the FISH logo (Farmers Innovation Science Hub) and navigation links: INICIO, PROYECTO, SOCIOS, NOTICIAS, BOLETINES, RECURSOS, and a 'Contacto' button. The main content area features the text 'Proyecto Erasmus+' followed by a wavy line, and the title 'FISH Farmers Innovation Science Hub'. Below the title is a paragraph in Spanish: 'Farmers Innovation Science Hub es un proyecto ERASMUS+ cuyo objetivo principal es promover la sostenibilidad ambiental y la seguridad alimentaria mediante la mejora de la eficiencia de los recursos -principalmente agua- a través de la implementación de nuevas técnicas que combinan métodos tradicionales con nuevas técnicas y tecnologías (hidroponía, acuaponía, sensores electrónicos, etc.). De esta forma, se persigue mejorar la producción vegetal de un huerto y complementarla, si se desea, con el cultivo de peces.' At the bottom of the main content area is a 'Más información' button. The background of the main content area shows stylized illustrations of people holding large blue fish.

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THANK YOU
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GRAZIE

DANKE
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