

WP 7: Training, Capacity building and support to policy (Led by SLU, involvement of Naturland and CIHEAM)

## **TASK 7.2: Training for increased capacity (Campden BRI Hungary)**

**Partners: CIHEAM Bari and IFOAM**

Facilitated  
E-learning  
training  
course

# **"Sustainable, resilient and climate friendly Blue Growth of EU Aquaculture and Beyond"**

***By DRIOUECH Nouredin, CIHEAM Bari - Italy***

*Implemented activities: February 2022- April 2023*

**Final Conference, 20 April 2023**

# PREPARATION

## Content

The course was structured in:

- 1 introductory session →

<b>Module 0</b>	Introduction to eLearning methodology and approach
<b>Module 1</b>	Innovative feeds and feeding strategies for improving welfare & performance of fish in sustainable and organic aquaculture
<b>Module 2</b>	Consumer perception and preferences regarding aquaculture
<b>Module 3</b>	Regulatory framework for aquaculture in the EU, with special focus on organic aquaculture
<b>Module 4</b>	Recovery/retake and final synthesis

- 3 thematic sessions

- 1 recovery session →

## ADOPTED METHODOLOGY

- ❑ The **on-line course**, which has been delivered through CIHEAM Bari e-learning LMS, a “**Peer learning**” approach has been adopted, in order to set up a “**Community of practice/interest**”
- ❑ **Individual learning style** has been matched with a “**collaborative**” learning that aims at the development of **just-in-time skills of adult learners**.
- ❑ In order to allow participants maximum flexibility of scheduling, the learning has been conducted in an **asynchronous manner**, with a mean length of time required to each student of **about 8 hours per week**.
- ❑ The pedagogy - adapted specifically to professionals in **full-time work** – aimed at helping train participants through **various experiences**:

# CALL FOR ENROLLEMNET

- ❖ **2 newsletters** were designed to inform on the opportunity to take part in the course.
  - 1<sup>st</sup> newsletter (#139): sent on June 9, 2022 and opened by **1381** recipients out of 5673
  - 2<sup>nd</sup> newsletter (#141): released on June 15, 2022 and opened by **590** recipients out of 2348
- ❖ A **call for application** was launched on June 6<sup>th</sup> on [CIHEAM Bari website](https://www.ciheam-bari.it)

CIHEAM BARI

eLearning Course on: Sustainable, resilient and climate friendly Blue Growth of EU Aquaculture and beyond

15<sup>th</sup> June 2022 - 29<sup>th</sup> July 2022

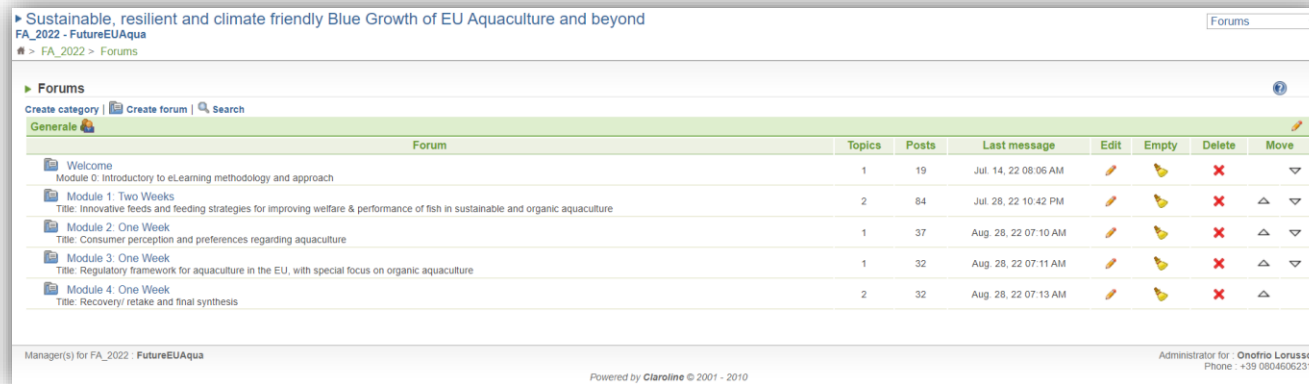
Form fields include:

- Name
- Last name
- Phone
- Country (dropdown menu)
- Organization or institution (text input)
- Address (text input)
- Which group do you represent? (checkboxes):
  - Government Organization
  - Scientific Community (Higher Education Research)
  - Industry Producer Sector
  - Water sector
  - Seafood
  - Other (specify)
- Which role do you represent? (checkboxes):
  - Government official
  - Scientific Researcher/Innovation Manager
  - Large Enterprise manager
  - Policy maker
  - Other (specify)

CIHEAM BARI logo and 'grazing' logo are visible at the bottom.

# IMPLEMENTATION

- ❑ The course was released and implemented from **15th June 2022 to 29th July 2022** for facilitated learning, with **on-line interaction** and **Fora discussions**:



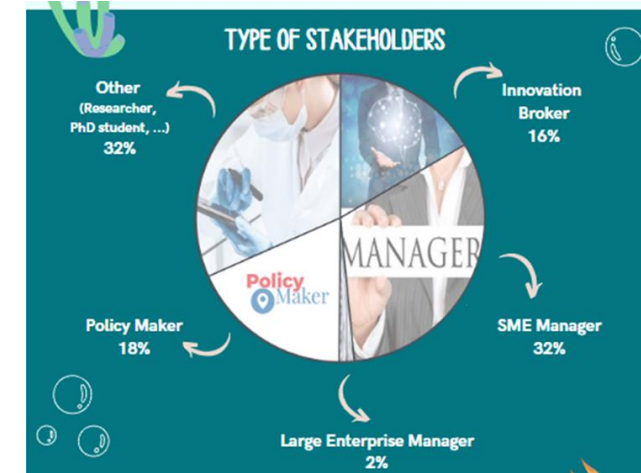
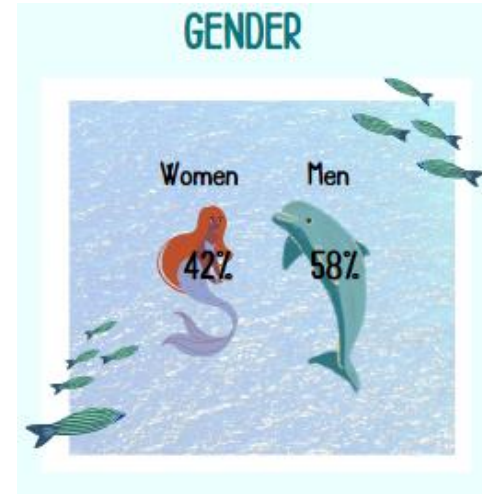
JUNE 2022							JULY 2022						
SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4						1	2
5	6	7	8	9	10	11	3	4	5	6	7	8	9
12	13	14	15	16	17	18	10	11	12	13	14	15	16
19	20	21	22	23	24	25	17	18	19	20	21	22	23
26	27	28	29	30			24	25	26	27	28	29	30
							31						



- ❑ After the 1st period of facilitated learning, the training program has **been uploaded made available** for extra 12 months on the project website ([Training material](#)) for self-learning

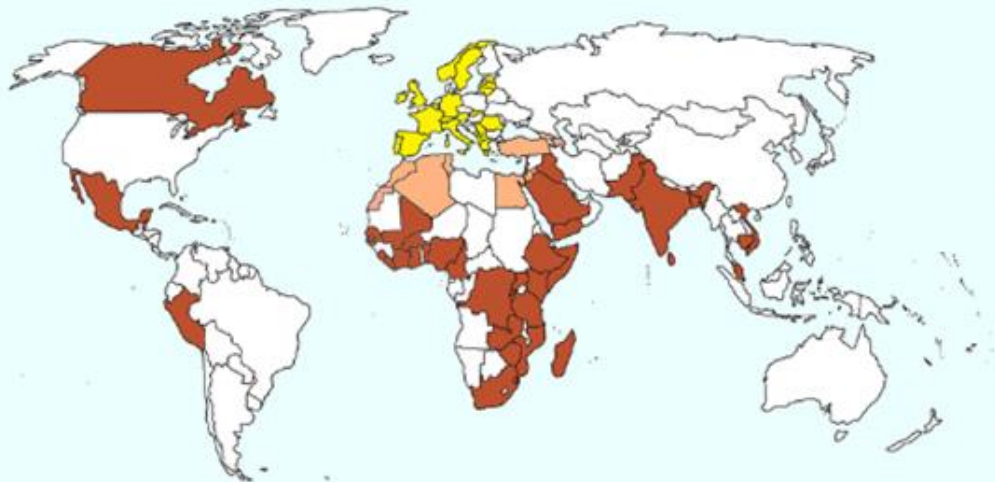
FutureEU Aqua  
a website

# PARTICIPANTS PROFILE



TOTAL PARTICIPANTS: 357

TOTAL COUNTRIES: 73



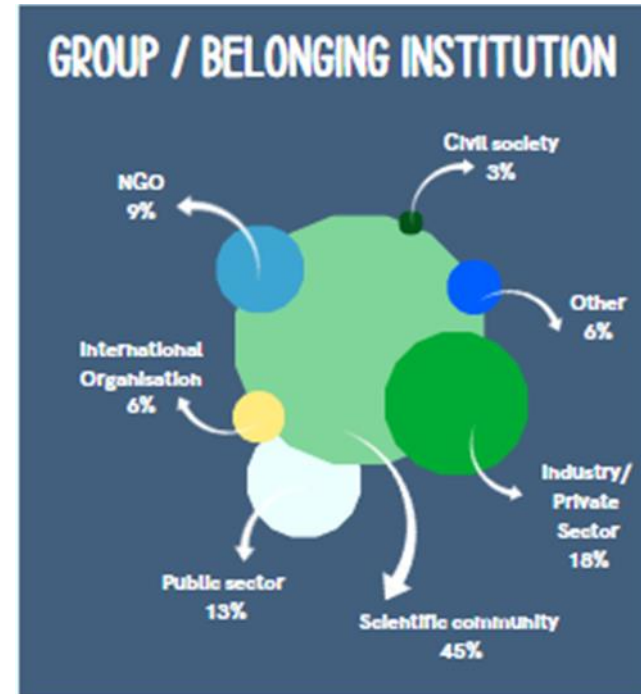
Participants from European countries



Participants from MENA countries  
(as defined by UN Agencies and Programmes)

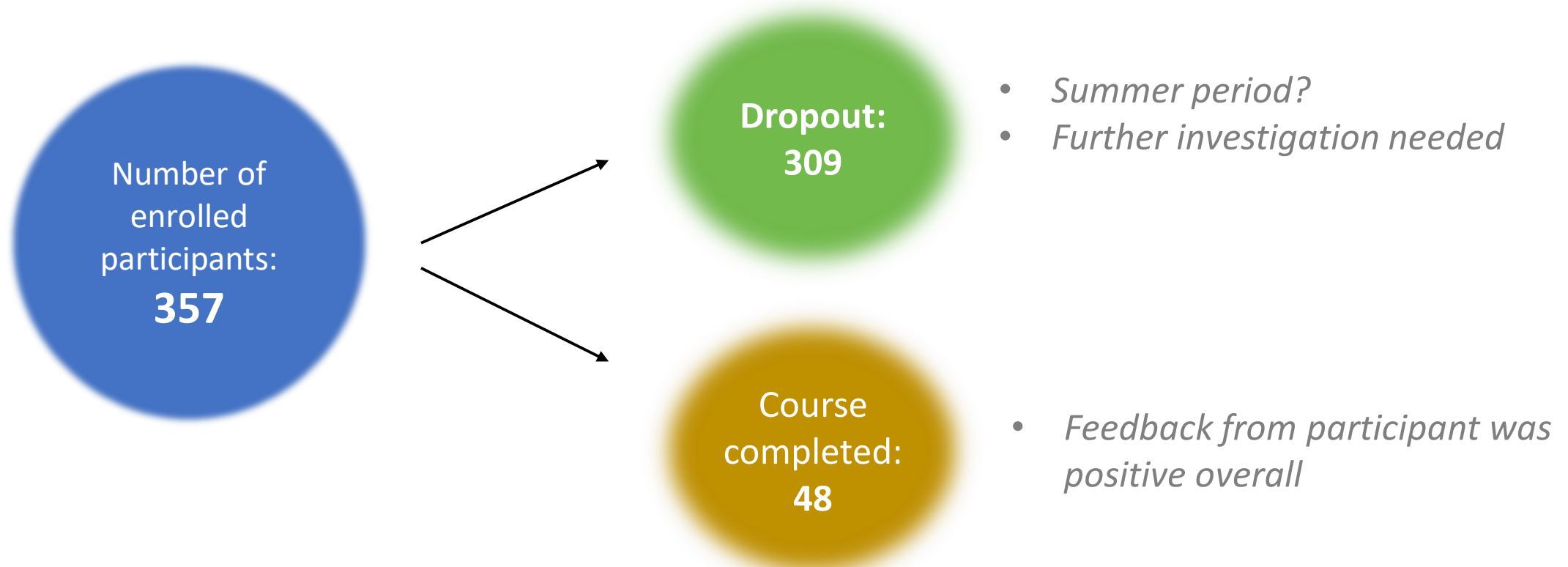


Participants from other countries



## Facilitated E-learning training course- CIHEAM Bari

### ENROLEMENT OUTCOMES

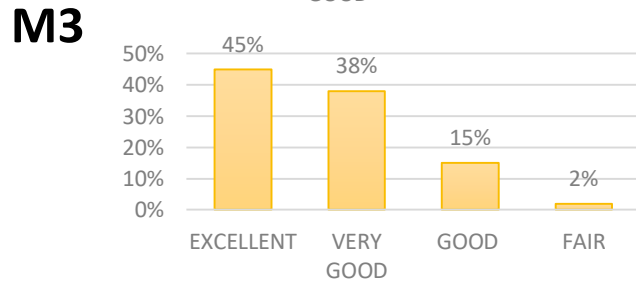
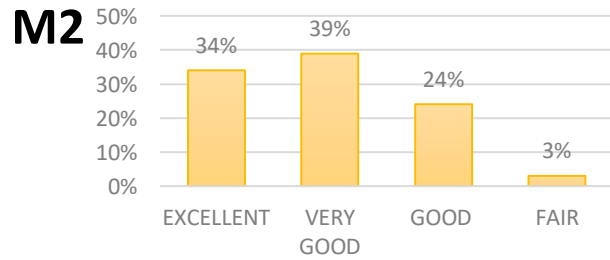
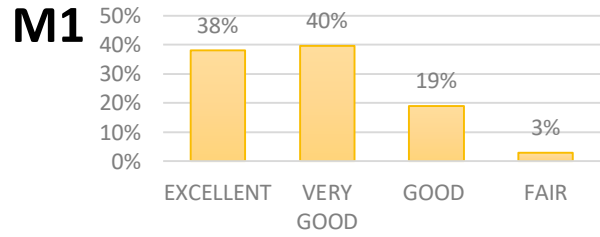


There was a significant dropout in the course, maybe due to the period of the course implementation or difficulties related to the uses of technological devices for e-learning. However, the reasons still need to be investigated:

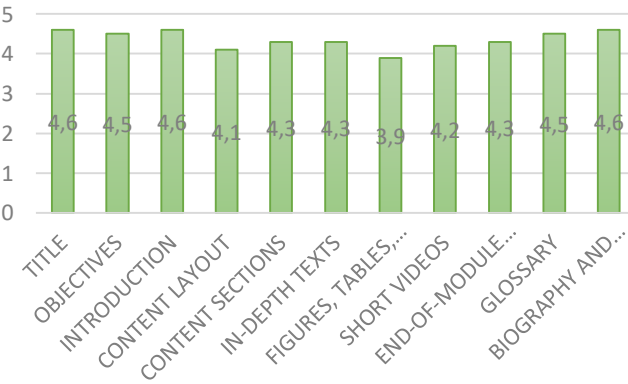
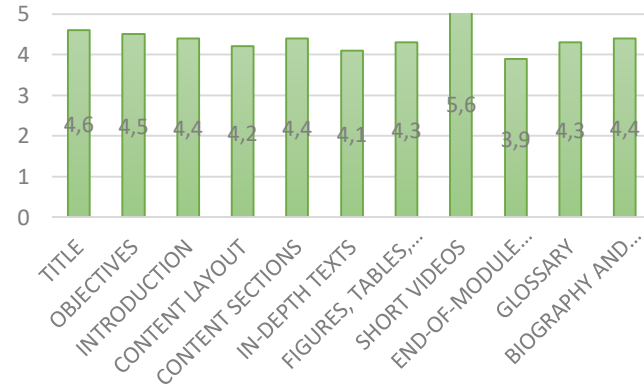


# Overall evaluation

## Module evaluation results



## Tool evaluation results





# Results and Outcomes

- An online training programme *curricula* was designed implemented by CIHEAM Bari in c
- 4 Thematic modules were produced (Module 0 - Module 3) by CIHEAM and WPs experts and instructors
- Deliverable 7.6. was produced , previewed and accepted in due deadlie
- A scientific dissemination (Paper and Poster) about the experience of the online training course we published (<http://agrosym.ues.rs.ba/>)

Project acronym: FutureEUAqua  
Project title: Future growth opportunities, resilience and climate-friendly programs and conventional European agriculture  
Grant number: 1010184-001-0 - Project No. 817737  
Coordinator: SOPAIA, Slovenia  
Website: <http://www.futureeuaqua.eu>

Deliverable D7.6:  
Online courses

Authors: Francesco Mancini, Emanuele Montenegro  
Reference number: 8077/2023  
Task/Task leader: Task 7.2 (CIHEAM Bari and SOPAIA)  
Dissemination level: PU  
Deliverable type: DCI  
Approved / Validated: 06.02.2023  
Approved / Project Management Board: 07.02.2023  
Submission date: 15.02.2023

The project has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No 817737.

The poster is a scientific dissemination document with a yellow and white color scheme. It features several sections: 'Background/Problem', 'Methodology and objectives', 'Results and main findings: The case of Organic oliveiculture', 'Discussion and Challenges', 'Analysis of Future plans', and 'Conclusions remarks'. It includes a bar chart showing data for 'Organic oliveiculture' and a flow diagram for 'Analysis of Future plans'. The title is prominently displayed at the top.

PEER LEARNING AND KNOWLEDGE CO-CREATION IN ORGANIC AGRICULTURE: THE CASE OF FutureEUAqua PROJECT

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International Centre for Advanced Mediterranean Agronomic Studies of Bari (CIHEAM Bari), Vincenzo

Abstract  
Organic agriculture represents the 4% of total agriculture production. Yet, the economic performance of EU organic agriculture seems to be low being unattractive. Nevertheless, the future of EU organic agriculture seems to be very promising. To overcome these trends, Europe is still heavily dependent on external markets to cover market demand. Nevertheless, farmers and aquaculture sectors require professional and to (i) enhance knowledge sharing and co-creation, (ii) set up appropriate infrastructure and facilities and (iii) increase capacity building for experts and practitioners. In order to overcome these trends, an "active and participatory" training method that allows participants to fully learn new concepts, while improving skills and capabilities, could be adopted. One of the most profitable methods is known as "Peer Learning", a form of collaborative instruction that enhances the pre-to-post interaction and positive learning. In this context, under the framework of FutureEUAqua Project - increased capacity, CIHEAM Bari has designed and facilitated an online training program on "Sustainable, resilient and climate-friendly Blue Growth of EU Aquaculture and beyond". The 6-week course, structured in four modules, involved 127 participants coming from 17 countries: mainly from Europe and Mediterranean region (60%). Due to the abrupt interruption, circa 70 participants reached the final level score to get the certificate. Furthermore, the training resulted in promoting the sustainable growth of aquaculture among small and medium-sized enterprises, to meet future challenges: considering the growing consumer demand for high quality, nutritious and responsibly produced food. The outcomes of the course attempted also to increase the awareness of the sector, creating a community of practice where peers shared their technical and social knowledge with the final scope to transform project results and outputs, while implementing the innovative solutions identified and developed. This practical knowledge is more to be considered than abstractly appropriated technology. In changing and innovative educational approach may fill the gap of knowledge transfer under disruptive circumstances (i.e. COVID-19 pandemic).

Keywords: Educational Innovation, Coexistence of Practices, Blue Growth, EU

## Final Conclusions and remarks

- ✓ **The FutureEUAqua knowledge platform, via Task 7.2. has paved the way for the establishment of a database of practical knowledge for organic and Conventional aquaculture producers**
- ✓ **The Online course had facilitated knowledge exchange among producers, advisers and scientists across Europe.**
- ✓ **A special section on aquaculture will be added on the OK-Net knowledge platform to host the materials resulting from the project Task 7. Training for increased Capacity.**

**WP 7: Training, Capacity building and support to policy (Led by SLU, involvement of Naturland and CIHEAM)**

## **TASK 7.2: Training for increased capacity (Campden BRI Hungary)**

**Series of  
online  
seminars**

***Stefan Holler, Naturland-Germany***

## Task 7.2: Training for increased capacity

### Activities:

**Physical training** during the FishInternational Fair (4-5 September 2022) in Bremen / Germany

- 13 participants altogether
- Summary of project WPs and results was presented
- The participants were mainly from the following sectors:
  - Retail
  - Research & development
  - Industry
  - NGO

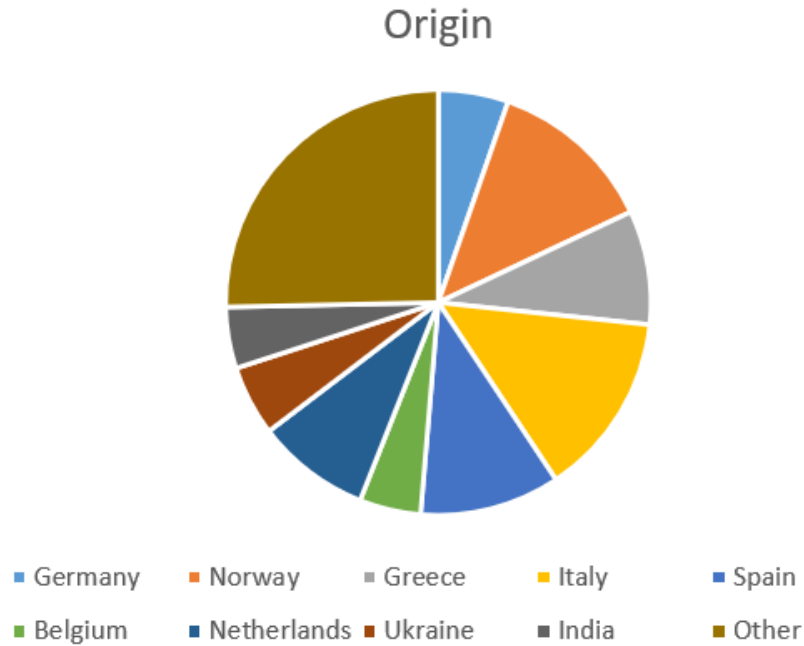
## **Motivation to move to online workshops for 2023 instead of physical workshops**

As could be seen from the online training conducted by CIHEAM Bari, a lot more potential stakeholders can be reached by offering online training compared to physical workshops. Therefore it was decided, to offer a **series of 6 online webinars** instead of physical workshop in 2023.

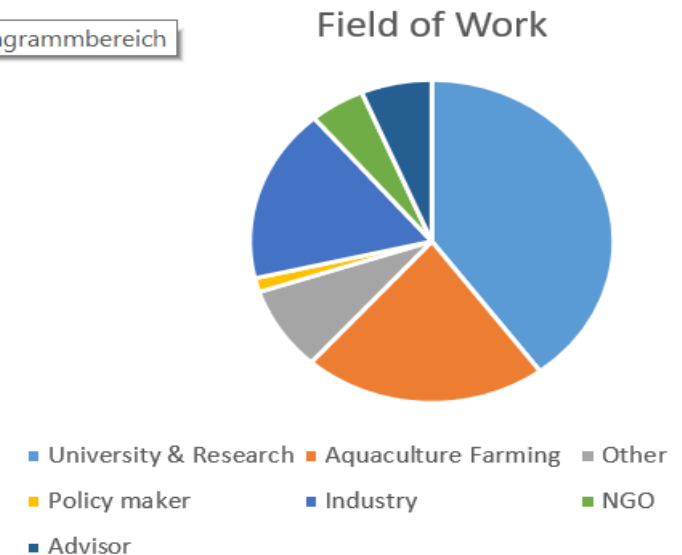
- A series of **six separate online seminars** were held with the involvement of the project partners.
- Each online seminar consisted of a 45-minute presentation, followed by 15 minutes question & answer session.
- The seminars were hosted on Zoom.

Seminar title	Seminar date	Number of participants
Sustainable breeding (Anne Kettunen, NOFIMA)	24.2.2023	36 (29 from outside of the project consortium)
Sustainable and resilient feed and feed strategy (Elena Mente, UTH)	28.2.2023	32 (26 from outside of the project consortium)
Consumer perceptions of the sector (Themis Altintzoglou, NOFIMA)	3.3.2023	30 (24 from outside of the project consortium)
Sustainable and resilient production systems (Wout Abbink, WUR)	Postponed	
Internet of Things for healthy fish and environment (Sebastien Alfonso, COISPA)	10.3.2023	26 (19 from outside of the project consortium)
Quality and safety of aquaculture products (Francesco Capozzi, Pietro Rocculi, University of Bologna; Morten Siverstik, NOFIMA)	14.3.2023	39 (32 from outside of the project consortium)

Altogether, **150 participants** registered to the online seminars from **24 countries**:



Diagrammbereich



Main fields of work of the participants were **university & research, aquaculture farming** and **industry**. But also representative from **NGOs** and **policy makers** were present



## Conclusion:

For training & capacity building purposes, **online seminars** are a very effective way of getting participants involved, compared to physical workshops:

- No travelling involved
- Selectivity for specific topic
- More economical
- Easy to record and share afterwards

## Feedback and Discussion

# Thank you for your attention!

For more information

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