

# AdriAquaNet

Enhancing Innovation and Sustainability in Adriatic Aquaculture

WP 3.3 Trainings for staff in SMES and R&D centres

WP3 – Training nr. 8, report, 25052022



**Migliorare l'innovazione e la sostenibilità nell'acquacoltura adriatica**

10:30 - 12:30

Arena

I contributi del progetto AdriAquaNet alla gestione sanitaria degli allevamenti ittici e al miglioramento della qualità dei prodotti ittici.



## Introduction

The **eighth training course** entitled “**THE CONTRIBUTIONS OF THE ADRIAQUANET PROJECT TO THE HEALTH MANAGEMENT OF FISH FARMING AND THE IMPROVEMENT OF SUSTAINABILITY IN MARICULTURE**” was held in presence on May 25, 2022 in Pordenone at the AQUAFARM 2022 fair.

**Two workshops dedicated to the sanitary management of the hatcheries and on the quality of the high quality fish products** were held from 10.30 till 12.30, in the ARENA space of the Pordenone Fair.

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The training course was organized by LP in collaboration with PP2 and PP11 and external service LETTERAB. Both workshops were in Italian and were aimed at producers, operators, veterinarians, technicians of the aquaculture sector. 46 participants were present. Participation in both workshops was recognized among the training activities of the Italian Fish Farmers Association - API and all participants of both workshops and all were provided with AAN Project certificates.. In addition, the workshops were accredited and provided 16 attendees that passed the test with 1.4 CME credits for the veterinary profession (accreditation number ARCS 22044) in collaboration with ARCS Azienda Regione di Coordinamento per la salute della Regione Friuli Venezia Giulia and SC Centro Regionale Formazione (ARCS Regional Health Coordination Company of the Friuli Venezia Giulia Region and the SC Regional Training Center).

All three training cycles (WP3, WP4 and WP5) were gathered in one-day training course in order to facilitate the organization and the knowledge transfer to the attendees that were interested in different topics.

For the entire duration of the AQUAFARM 2022 fair, the researchers and partners of the project will receive the SMEs and the public at our AdriAquaNet stand (Hall 5, nr. 14) presenting the results of the research in person, making the dissemination and promotional material available and collecting opinions and suggestions of all those who want to bring their contribution to the project. Thanks in particular to the partners FriulTrota company and the University of Trieste who set up the stand with the project coordinator, also the innovative products and packaging elaborated by the WP 5 team were shown to the public.

The moderator of the workshop was M. Galeotti project coordinator of LP and project manager. He presented the project to the attendees. His presentation was considered also as one of the training lessons.



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The course had two workshops: the first one was related to the WP.4.4 activities with 2 lessons, while the second was related to the WP3.3 and WP5.4 activities with one lesson for each task. After each workshop a debate with attendees was performed.

## Topics

The first **WORKSHOP 1: Health management of fish facilities (accredited event for veterinarians)** was aimed to reach veterinarians, biologists, animal producers, agronomists, breeders, operators in the sector, brought the contributions of the work of **WP4 researchers** involved in improving the health management of farms through the development of new autologous vaccines and therapies based on natural products. Vaccines against *Vibrio harveyi* and *Tenacibaculum maritimum* were developed at the **Croatian Veterinary Institute (CVI) in Zagreb** and tested in sea bass, while about a hundred compounds from marine organisms were purified by the laboratories of the **National Research Council (CNR) of Naples and Padua** and tested for their antibacterial/immunomodulatory activities at the **University of Udine**. The results represent the premise to pursue patent application. Donatella Volpatti LP University of Udine presented the lesson “**Use of natural substances and autologous vaccines against *Vibrio harveyi* and *Tenacibaculum***

**maritimum for the control of infections in sea bass**” to the attendees of Pordenone. The presentation was elaborated in team with Valentina Pacorig, Chiara Bulfon, Marco Galeotti, University of Udine; Dražen Oraić, Ivana Giovanna Zupičić, Lea Vrbančić, Snježana Zrnčić), Croatian Veterinary Institute (CVI). At the same time, the **Istituto Zooprofilattico Sperimentale delle Venezie (IZSve)** has developed a practical evaluation method to be applied in farms to monitor the well-being of fish. Instead of Amedeo Manfrin, Istituto Zooprofilattico Sperimentale delle Venezie – IZSve, PP4 coordinator, the researcher **Eleonora Fiocchi, PP4** presented the lesson on **“Assessment of the welfare of farmed fish: development of a practical method”**.

The second **WORKSHOP 2: Quality of fish products: the contributions of the AdriAquaNet Project** aimed to reach veterinarians, biologists, animal producers, agronomists, breeders, operators in the sector, offers two insights presented by the researchers of the **University of Udine**, the result of work and collaboration between various research partners and breeders in the Italian and Croatian areas, that intersect with each other: the first intervention was done by **Emilio Tibaldi, LP** professor and responsible of task WP 3.2 with the title **“New feed formulations in mariculture and their influence on the quality of farmed fish.”** The lesson was a group work done by Jelka Pleadin, Croatian Veterinary Institute (CVI); Tanja Šegvić Bubić, The Croatian Institute of Oceanography and Fisheries (IZOR). The lesson presented the results of the experimental tests for fish feeding on farm and useful solutions on feed in terms of cost-effectiveness, environmental impact, fish welfare and product quality. The second intervention entitled **“Innovation in the conservation of fresh fish products”** was held by **Giuseppe Comi, LP** task leader of WP5.2. The work presented was done in collaboration with Jelka Pleadin, Croatian Veterinary Institute (CVI) and with the focus on the conservation of fresh fish products and related innovations, studied together with the evaluation of the sensory and hygienic-sanitary quality of sea bass and sea bream reared at the partner companies of the project.

**The following deliverables were produced and put in SIU:**

- 1. Program and Agenda in EN and IT**
- 2. Press release in EN and IT**
- 3. Attendance lists of participants in presence and on zoom**
- 4. Minutes of discussion with attendees**
- 5. Certificates of attendance and tests**
- 6. Presentation of lessons and training materials**

## Conclusions and Next Steps

The following training cycle will be organized on June 2\_3, 2022 in Zadar.





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