

# AdriAquaNet

Enhancing Innovation and Sustainability in Adriatic Aquaculture

Training Courses

The contributions of the AdriAquaNet project to the health management of fish farms and to the improvement of the quality of fish products

Aquafarm, Pordenone, May 25, 2022, 10.30 event in presence



## AdriAquaNet Project

We have reached the final phase of the **Interreg AdriAquaNet** project, which has involved over 100 collaborators for more than three years, including researchers and producers of companies, farms and research centres, in order to improve the competitiveness and environmental sustainability of Italian and Croatian mariculture. The project is structured in three main areas: **a. development of innovative solutions for the breeding and nutrition of sea bass and sea bream and new systems for saving energy in production plants**; **b. improvement of the health management of farms through the development of new autogenous farm based vaccines and therapies based on natural products**; **c. evaluation of the sensory and hygienic-sanitary quality of the proposals of new final products and marketing surveys to evaluate the perception of consumers towards the sustainable farmed fish and new products obtained from the two fish species.**

**AdriAquaNet is a complex project but also unique in the area, as it undertakes to transfer, through various training courses, advanced knowledge and new technologies to the entire mariculture supply chain** - from the management of production plants to the market for processed fish products - for promoting the environmental sustainability of fish farms, safeguarding the welfare of farmed fish and, at the same time, providing safe products capable of meeting consumer expectations. With this in mind, **two training workshops dedicated to operators, technicians, breeders and veterinarians have also been developed and are included in the AQUAFARM 2022 program concerning two major thematic areas** such as health and the quality of fish products:

### Workshop1: Health management of fish facilities (accredited event for veterinarians)

The workshop, which is aimed to reach veterinarians, biologists, animal producers, agronomists, breeders, operators in the sector, brings the contributions of the work of 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. 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.

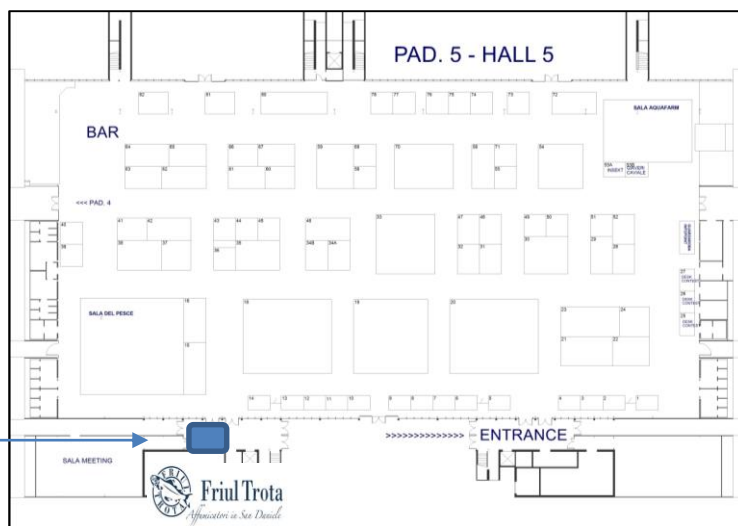
## Workshop 2: Quality of fish products (accredited event for veterinarians)

The workshop, which is 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 presents 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, on the other hand, focuses 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. Both workshops are free of charge and held in Italian. Participation in both workshops is recognized among the training activities of the API and all participants of both workshops will be awarded the relative certification. In addition, the workshops are accredited and provide for the assignment of 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). For registration it is necessary to send the completed registration form to the contact person: Isabella Selleri, Telephone: 0432 1438171 email: [isabella.selleri@arcs.sanita.fvg.it](mailto:isabella.selleri@arcs.sanita.fvg.it), or possibly in cc to the address [formazione@arcs.sanita.fvg.it](mailto:formazione@arcs.sanita.fvg.it).



## AdriAquaNet Stand

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 **FriulTrota** company and the **University of Trieste** who set up the stand.



## PROGRAM

10.30 am Participant registration and welcome

Moderator: Marco Galeotti,  
*Coordinator of the INTERREG Italy Croatia AdriAquaNet Project*

### Workshop1: Health management of fish facilities: the contributions of the AdriAquaNet Project, (Duration: 45 min)

10.35 am The AdriAquaNet project and its contribution to mariculture. Marco Galeotti, University of Udine.

10.40 am Use of natural substances and autologous vaccines against *Vibrio harveyi* and *Tenacibaculum maritimum* for the control of infections in sea bass. Donatella Volpatti University of Udine;  
(Valentina Pacorig, Chiara Bulfon, Marco Galeotti, University of Udine; Dražen Oraić, Ivana Giovanna Zupičić, Lea Vrbančić, Snježana Zrnčić), Croatian Veterinary Institute (CVI).

11.00 am Assessment of the welfare of farmed fish: development of a practical method. Amedeo Manfrin, Istituto Zooprofilattico Sperimentale delle Venezie - IZSVE

11.15 am short break

### Workshop 2: Quality of fish products: the contributions of the AdriAquaNet Project, (Duration: 45 min)

11.25 am New feed formulations in mariculture and their influence on the quality of farmed fish. Emilio Tibaldi, Università degli studi di Udine, (Jelka Pleadin, Croatian Veterinary Institute (CVI).; Tanja Šegvić Bubić, The Croatian Institute of Oceanography and Fisheries (IZOR)).

11.45 am Innovation in the conservation of fresh fish products. Giuseppe Comi, University of Udine;  
Jelka Pleadin, Croatian Veterinary Institute (CVI).

12.05 am Compilation of the accreditation questionnaire

12.30 am Conclusions and invitation to visit the AdriAquaNet stand