



The challenge

Adriatic mariculture provides highly valued fish products for both local and distant markets. This sector can further develop thanks to new available technologies and stronger information for consumers. The sector can offer high qualification job opportunities and boost local economy.

The team

Within **AdriAquaNet** project, **4 industries**, **1 consortium** and **6 research laboratories** from both **Italy** and **Croatia** are teaming up to develop and apply technologies for fish farming and marketing. This is the first ever initiative for improving the quality of fish farming and marketing by cooperation between both sides of the Adriatic Sea.

Project Partner 4

ISTITUTO ZOOPROFILATTICO SPERIMENTALE DELLE VENEZIE

Aquatic Animal Health and Seafood Safety Centre – National Reference Laboratory for fish, crustacean and mollusc diseases

7 veterinarians, 5 technical staff, 8 research collaborators - www.izsvenezie.com

THE TEAM

A **Amedeo Manfrin**, DVM
Team manager

B **Eleonora Fiocchi**, B.Sc.,
R&D in genetics of fish welfare

C **Tobia Pretto**, DVM, PhD
R&D on fish and crustacean pathology

D **Raffaella Testolin**
Financial manager

E **Barbara Tiozzo**
Communication manager

EXPERTISE

→ Aquatic animal health and welfare; use of veterinary drugs and vaccines; surveillance and eradication plan according to OIE/WOAH listed diseases; fish, mollusc and crustacean pathogens; member of national and international expert groups.

→ Genetics, ecogenomics, fish immunity, bioinformatics and bacteriology.

→ Histopathology and bacteriology of aquatic organisms.

→ Financial administration and reporting.

→ Communication and dissemination activities.



A



B



C



D



E

Roles in AdriAquaNet

Waste management, emission reduction, renewable energy and energy saving (WP3, 3.2)

Vaccine production and vaccination strategies (WP 4.1) and Welfare monitoring (task leader WP 4.3)

Determination of farmed fish quality and shelflife safety (WP 5.1)

Training for SMEs, vets, and R&D Centres (WP 3.3, WP 4.4, WP 5.4)

Collaboration to **WP1** Project management and coordination of activities and **WP2** communication activities

The Aquatic Animal Health and Seafood Safety Centre hosts the National reference laboratory for fish, crustacean and mollusc diseases and coordinates the activities of the various IZSve laboratories dealing with aquatic animal health. The Centre was also designated as an OIE Reference Laboratory For Encephalopathy and Retinopathy of Marine Fish in 1999.

Lab 1 – Virology of aquatic organisms

Leader: Anna Toffan

- Equipped to perform identification, characterization and phylogeny of relevant fish viruses. Extensive experience in virological methods validation. Equipped with experimental aquarium for pathogenetic study, reagents production and vaccine safety/potency tests.

Lab 2 – Bivalve mollusc diseases

Leader: Giuseppe Arcangeli

- Equipped for performing investigations on mollusc mortality and listed diseases and DNA aquatic animal species identification.

Lab 3 – Crustacean diseases

Leader: Amedeo Manfrin

- Equipped for performing bacteriological and histological analysis on different species of aquatic animals.
- Use of new technologies to evaluate **stress-related indicators in fish and mollusc**.

Lab 4 – Epidemiological studies of aquatic organisms

Leader: Manuela Dalla Pozza

- Equipped for epidemiological data management and reporting from the territory, carrying out statistical analysis, drafting guidelines and manuals both in the field of food safety and animal health.



PARTNERSHIP

RESEARCH INSTITUTES

LP UNIVERSITY OF UDINE
Dept. of Agricultural, Food, Environmental and Animal Sciences

PP1 CROATIAN VETERINARY INSTITUTE

PP2 UNIVERSITY OF TRIESTE – Dept. of Life Sciences

PP3 INSTITUTE OF OCEANOGRAPHY AND FISHERIES

PP4 ISTITUTO ZOOPROFILATICO SPERIMENTALE DELLE VENEZIE

PP5 UNIVERSITY OF RIJKA
Faculty of Tourism and Hospitality Management

PP6 NATIONAL RESEARCH COUNCIL OF ITALY
Institute of Biomolecular Chemistry (ICB)

CONSORTIUM

PP7 KLASTER MARIKULTURA

SMEs

PP8 FRIŠKINA Ltd

PP9 ITTICA CALDOLI SARL -POGGIO IMPERIALE

PP10 ORADA ADRIATIC Ltd

PP11 FRIULTROTA DI PIGHIN Ltd

PRIORITY

Blue Innovation

DURATION

01.01.2019 - 30.06.2022

COORDINATOR

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PP4 SHARE

€ 254.675,00



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European Regional Development Fund

www.italy-croatia.eu/AdriAquaNet