



## 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 1

# CROATIAN VETERINARY INSTITUTE

Branches in 5 cities, 250 employees, 67 PhDs - [www.veinst.hr](http://www.veinst.hr)

### THE TEAM

- A** **Snježana Zrnčić**, DVM, Ph.D  
*Team manager, WP 5 Leader - Improving quality and marketing of fresh and processed fish*
- B** **Dražen Oraić**, DVM, Ph.D  
*R&D in fish vaccine production and vaccination strategies*
- C** **Jelka Pleadin**, B. Sc. biotech., Assoc. Prof.  
*R&D on basic nutritional parameters of fresh and fish products, fatty acid profiles and micronutrients*
- D** **Željko Pavlinec**, mag. biol. mol., Ph.D student  
*Researcher on fish health and vaccine production*
- E** **Tihana Damić**, LL.M  
*Project administrator*

### EXPERTISE

- Expertise in fish and molluscs health, diagnostics in bacteriology and virology, quality and safety of fish.
- Expertise in fish and mollusc health, diagnostics of viral and bacterial diseases, fish immunity, vaccine development.
- Expertise in analytics of basic nutrition parameters, fatty acids and micro nutrients in food (vitamins and minerals).
- Expertise in fish diseases diagnostics with particular skills in molecular diagnostics, molecular ecology, evolution and bioinformatics.
- Expertise in project preparation, administration, financial management and reporting.



A



B



C



D



E

## Roles in AdriAquaNet

**WP 5**  
Leader

**Lead WP 5.1.**  
*Chemical analysis of fish and fish products quality*

**Lead WP 4.1**  
*Vaccine production against *Vibrio harveyi* and *Tenacibaculum maritimum*, evaluation of the efficacy by molecular methods*

**WP 1 & 2**  
*Financial and administrative management*

### Lab 1 – Fish Pathology

Leader: Dražen Oraić

- Laboratory is equipped for bacteriological and virological analysis. Through AdriAquaNet, Lab is fully equipped for molecular analysis of pathogen and genes expression needed for production and testing of new vaccines

### Lab 2 – Analytical Chemistry

Leader: Jelka Pleadin

- Laboratory is equipped for analysis of fish nutritive quality, fatty acid profile and purchased new equipment for micronutrients analysis for AdriAquaNet
- Analysis of wild and sustainably farmed fish according to AAN protocols will be analysed and health indices determined

### Lab 3 – Microbiological safety

Leader: Natalija Džafić

- Laboratory is involved in analysis of microbiological safety of wild and farmed fresh fish as well as in determination of its shelf life



## 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 ZOOPROFILATTICO SPERIMENTALE DELLE VENEZIE
- PP5** UNIVERSITY OF RIJEKA  
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

University of Udine, Italy

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### FUNDING

€ 2.704.408,15

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### PP1 SHARE

€ 404.578,30



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