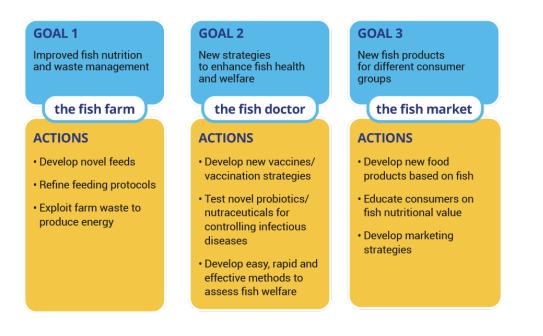


# AdriAquaNet-Enhancing Innovation and Sustainability in Adriatic Aquaculture

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## Introduction

Adriatic mariculture provides highly valued products from fish farms for both local and distant markets. To ensure further development of this sector in terms of economic, environmental and social sustainability, researchers and companies from Italy and Croatia are developing new technologies for the three domains of the value chain:



## Methodology

Seven research institutions from Italy and Croatia joined with 4 SMEs (3 fish farms and 1 food industry) to co-develop solutions for their technology needs.

The focus was on developing solutions only if complying with the ONE health paradigm. They were developed in laboratories and then tested on field.

## **Research & Innovation outputs**

#### For the fish farm

- A new generation of feeds based on alternative protein sources
- An expert tool to monitor and predict fish growth and waste load dispersion from marine cages
- A pilot system for the anaerobic digestion of brackish and high salinity aquaculture sludges and biomethane production
- Electric propulsion engines with solar panel battery charging station for service boats
- Photovoltaic and heat pump in marine aquaculture

#### For the fish doctor

- New autologous vaccines against pathogens affecting farmed sea bass
- New antimicrobial peptides as therapeutics in aquaculture
- A practical method for assessing the welfare of farmed fish
- A new microanalytical method for screening stress biomarkers in farmed fish

### For the fish market

- Nutritional quality indicators of sea bass and sea bream farmed in the Adriatic area with new feed formulations
- Cold-Smoked Sea Bass, a New Product with extended shelf life
- Information material on the nutritional quality of fish
- A marketing strategy for Adriatic aquaculture SMEs







## **The Partners**



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#### **Further information**

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ONE CONFERENCE HEALTH•ENVIRONMENT•SOCIETY. 21-24 JUNE 2022, BRUSSELS WWW.ONE2022.EU/