

FineFeedForFish



- Duration: 3 years
- Total budget: ca. 800.000€
- Coordinator: University of Insubria
- Partner: University of Turin, Milano-Bicocca, Sassari, Fondazione Parco Tecnologico Padano, Consorzio Italbiotec, Porto Conte Ricerche

In collaboration with University of Idaho and Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta

F A C T S H E E T



THE CHALLENGE

The 4F challenge is to increase the quality of farmed fish by reducing production costs and environmental impact. Constant increase of feed costs for aquaculture, mostly due to rising raw material prices, represents a serious obstacle to the industry competitiveness.

This condition favours the replacement in feed stuff of fish flour oil with protein and oily plant sources. Exceeding limited and well tolerated replacement quantities, causes the reduction of growth performance and the overall quality of the product.

THE OBJECTIVES

- Development of optimized diets for the supply of protected and unprotected amino acids (lysine, methionine) and taurine, with the aim of improving health condition, growth and quality of the fish
- Reduction production costs
- Reduction environmental impact
- Technology transfer of results to aquaculture industries
- Promotion public-private dialogue in order to accelerate innovation in this sector

THE STRATEGY

The project takes advantage of biological and biotechnological technologies to identify alternative sources of food resources.

The integrated bioeconomic analysis with environmental impact indices allows the optimization of industrial processes.

In order to ensure technology transfer to the aquaculture sector, the project consists of 3 phases:

- analysis and validation at laboratory scale
- testing and calibration at pilot plant
- production and validation at industrial scale

THE AGER PROJECT

“Agroalimentare e ricerca” is a project conceived and developed by a group of foundations sharing goals and resources that decided to support scientific research in order to give new impetus to Italy’s agri-food sector

