



# ECOFISH

**Funding program: MSCA-RISE-2014: Marie Skłodowska-Curie  
Research and Innovation Staff Exchange (RISE)**

## **"RESEARCHES ON THE POTENTIAL CONVERSION OF CONVENTIONAL FISH FARMS INTO ORGANIC BY ESTABLISHING A MODEL AND GOOD PRACTICE GUIDE"**

- Grant agreement no: 645691/2015
- Starting Date of Action: 01/06/2015
- Duration: 48 months
- Acronym: ECOFISH

### **Partners:**

#### *Beneficiaries:*

1. University of Agronomic Sciences and Veterinary Medicine Bucharest – Romania  
Coordinator: Turek Rahoveanu Adrian
2. University "Dunărea de Jos" of Galati – Romania  
Team Coordinator: Zugravu Gheorghe Adrian
3. Polytechnic University of Madrid – Spain  
Team Coordinator: Ignacio de los Ríos Carmenado

#### *Partner Organisations:*

4. Cornell University, ITHACA New York – USA  
Team Coordinator: Carmen Moraru
5. Kafrelsheikh University – Egypt
6. Animal Production Research Institute – Egypt

### **Abstract:**

The conversion of conventional aquaculture farms in sustainable aquaculture farms help aquaculture businesses to achieve economic viability and competitiveness. Sustainable aquaculture is undoubtedly the management technique that has most contributed to support aquaculture businesses to adopt aqua-environmental measures for protection of the environment, natural resources and landscape.

Aquaponics is known as a sustainable production system for plants and fish that combines traditional aquaculture (aquatic livestock), such as fish, crayfish and shrimp with the hydroponics (growing plants in water) in a symbiotic environment. The Aquaponics is a production system where the waste is utilized as nutrients is a system sustainable for the environment, where high-value products on the market are obtained because they are grown with organic nutrients and free of chemicals or pesticides.

By this research project, we aim at to improving onboard waste management and reduce the amount of waste disposed of inappropriately. In order to achieve this goal, we have the following objectives: to integrate aquaculture production system with agricultural production system (aquaponics) and to reconcile and achieve social, economic and environmental objectives with processing and marketing action to add more value to end aquaponics products.

The project will develop concepts for the next generation of aquaculture production systems which can be used for multiple purposes, including aquaculture, agriculture and social farming.

The project originality comes through its multidisciplinary character in the sense that it combines a research team specialized in various fields, whose experience will result in a production platform product, including all necessary technical indicators for developing and interpretation socio-economic of the results obtained.