



18 May 2016  
10:00h-14:00h

# Networking Event on European Eco-efficient technologies development for environmental Projects



**Free-of-charge**

Event Hall at General  
Secretariat of  
Fisheries. 147,  
Velázquez (Madrid)

**Online  
Registration**



## AQUASEF

LIFE 13/ENV/ES/000420

### Eco-efficient technologies development for environmental improvement of aquaculture

Organized by:

**ariema**

With the support of:



**OBJETIVO:**  
The workshop aims to bring together all stakeholders to discuss about impressions and experience exchange of R&D and Innovations projects funded by LIFE+ call or other EU project calls in aquaculture sector as well as other projects with related objectives.



# AQUASEF

## LIFE 13/ENV/ES/000420

### Eco-efficient technologies development for environmental improvement of aquaculture

LIFE+ AQUASEF focus on the carbon footprint reduction and improving effluent's water quality by implementing innovative technologies which will improve globally the environmental sustainability of cultivation cycle of fishes and salad water mollusks.

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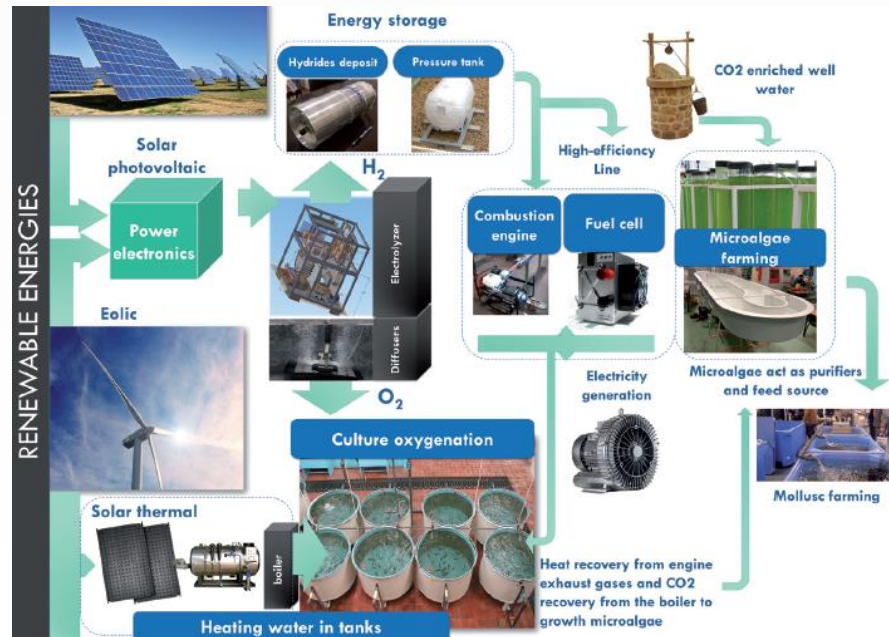
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The main objective of this project is to demonstrate, promote and disseminate among European Union efficient and low emission innovative technologies and the best practices to implement in the aquaculture sector.

- Contributing to the sustainability of the onshore aquaculture activity, compliance with EU commitments under the UNFCCC Kyoto Protocol.
- Demonstrate the environmental advantages of the energy generation process on the onshore aquaculture installations by replacing traditional systems based on fossil fuels by others that can use renewable energy.
- Demonstrate the environmental advantages of oxygenate fish fattening tanks by aeration efficient systems that allow consumption without liquid oxygen.
- Demonstrate the hydrogen and fuel cell technologies on the aquaculture sector.
- Optimization techniques for cultivation of microalgae as an added value to the fishes and mollusks production for  $CO_2$  fixation, nutritional complement for the fishes and mollusks diet and depuration of the tanks cultivation effluents.
- Validate and verify the usefulness and efficiency of the implemented technologies.
- Dissemination and Technology transfer activities.

[www.aquasef.com](http://www.aquasef.com)





# AQUASEF

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## PROGRAM

- 09:00h** Breakfast with the press
- 10:00h** **Welcome**, by Mrs. Aurora de Blas, Deputy Director General of Fisheries Economics, General Secretariat of Fisheries and Mrs. Maribel Rodríguez Olmo, LIFE AQUASEF coordinator.
- 10:10h** **Context. Why is innovation important in aquaculture sector?** By Mrs. Aurora de Blas, Deputy Director General of Fisheries Economics, General Secretariat of Fisheries.
- 10:30h** **AQUASEF project, context, specific objectives and expected results.** Mrs. Maribel Rodríguez Olmo, ARIEMA Energy and Environment S.L., LIFE AQUASEF coordinator
- 10:50h** **Round Table I: LIFE AQUASEF “Eco-efficient technologies development in aquaculture”**  
Moderator: Mrs. Myriam Retamero, The Andalusian Aquaculture Technology Centre (CTAQUA)  
**Energy efficiency and renewable energy sources within aquaculture sector**, by Mr. Javier Leal, INOMA Renovables S.L.  
**Environmental advantage using hydrogen and fuel cell technologies in aquaculture sector**, by Mr. Rafael Luque, ARIEMA Energy and Environment S.L.  
**Best practiques for oxygenation in tanks cultivation effluents and valorization of by-products**, by Mr. Javier Dávila, Drops & Bubbles Tecnología S.L.  
**Experience as end user of these technologies**, by Mr. Ángel Carro, Esteros de Canela S.A.

**11:45h** **Coffee break**

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### 12:15h Round Table II: Other LIFE R&D projects related to aquaculture sector

Moderator: Mrs. Marina Cárdenas Herrero, ARIEMA Energy and Environment S.L.

**LIFE REWIND** - Profitable small scale renewable energy systems in agrifood industry and rural areas: demonstration in the wine sector, by Mr. Javier Carroquino, University of Zaragoza

**LifeHyGENet** - Hydraulic co-generation system in water abduction and distribution network, by Mr. Manuel Alejandro Hernández, Foundation PRODINTEC.

**LIFE ENVIPHAGE** - Evaluate the effect of phages use in environmental bacterial ecology, by Mr. Igor Hernández, AZTI Tecnalia.

**LIFE CO2 ALGAEFIX** - CO<sub>2</sub> capture and bio-fixation through microalgal culture, by Mrs. María Segura Fornieles, Algaenergy.

**LIFE BIOFER** - Nutrients and regenerated water recycling in WWTPS through twin-layer microalgae culture for biofertilizers production, by Mr. José María Gómez Palacios, Biomasa Peninsular S.A.

**LIFE SEACAN** - Reducing the pressure of fish canneries on the marine environment with novel effluent treatment and ecosystem monitoring, by Mr. Rubén Reif López, CETAQUA.

13:15h Closure and networking

14:00h End of meeting

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