



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

**Free-of-charge**

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

**Online**  
**Registration**

## OBJECTIVE:

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.

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



## AQUASEF

**LIFE 13/ENV/ES/000420**

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

Organized by:

**ariema** 

With the support of:





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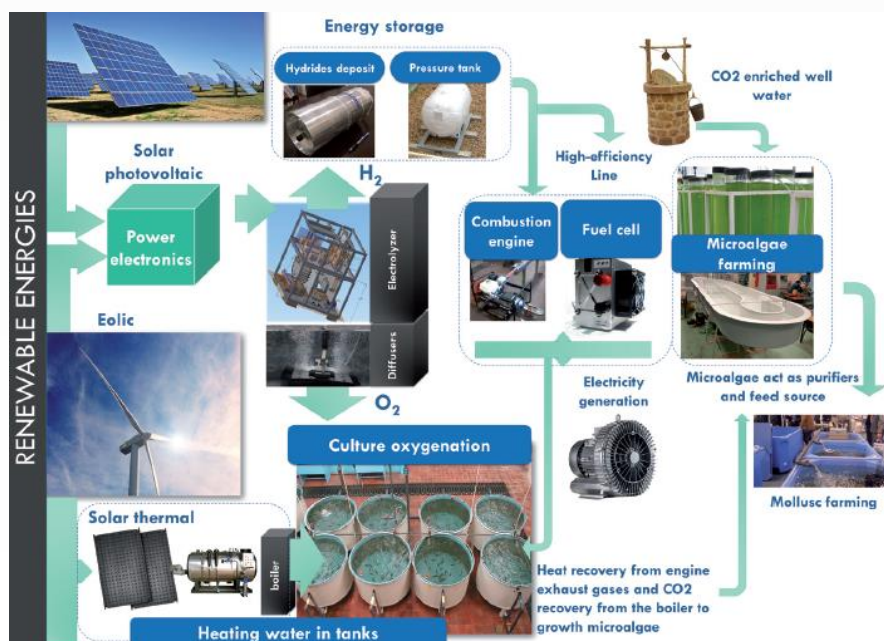


# AQUASEF

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.



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 CO2 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)





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GOBIERNO  
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DE AGRICULTURA, ALIMENTACIÓN  
Y MEDIO AMBIENTE

# AQUASEF

LIFE 13/ENV/ES/000420

Eco-efficient technologies development for environmental  
improvement of aquaculture

## 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. Álvaro Lobo, 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**

**ariema**



**Inoma**  
renovables,sl

**ctagua**  
CENTRO TECNOLÓGICO  
DE LA ACUICULTURA

**D&B Tech**  
Generación de burbujas y cultivos biológicos



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## **PROGRAM**

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

Moderator: Ms. 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 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**

