



## In-house programmes

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In collaboration with the Department of Aquaculture of the Animal Breeding & Genomics Centre of the Institute Wageningen UR Livestock Research in the Netherlands, the Company has developed a breeding programme for the Mediterranean Sea bass and sea bream, with the aim of improving fish population in terms of both increasing the growth rate and maintaining fish shape. This programme started in January 2014 and its first phase was completed in April 2017. From May 2017 and for the next decade, the contract for cooperation with the above Institute was renewed.



*Pic.1: Sea bream (Sparus aurata L.)*



## EU funded programmes

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# DIVERSIFY

Exploring the biological and socio-economic potential of new/emerging candidate fish species for the expansion of the European aquaculture industry

## *7th Framework Programme (FP7)*

From October 2016 to November 2018 the company participated in a FP7 (Seventh Framework Programme) call, the DIVERSIFY. The project's purpose was to explore the biological and socio-economic potential of new / emerging candidate fish species for the expansion of European aquaculture industry. The Company, in collaboration with the Hellenic Center for Marine Research (HCMR), which had undertaken the coordination of the programme, dealt with the reproduction of the Greater Amberjack (*Seriola dumerili*) in Work Package 3, as well as with the larvae rearing in Work Package 15. Apart from the research experiments that took place at the facilities of Galaxidi Marine Farm S.A., executives of the company attended conferences as well as the annual coordination meetings of the programme. For more information please use the following link:  
<http://www.diversifyfish.eu>.

The programme is funded in 75% by European Union, and by own participation.



*Pic. 2: From the annual coordination meeting of the DIVERSIFY programme, held in Barcelona, in January 2017*



Co-funded by the Seventh Framework Programme of the European Union



# MedAID

## Mediterranean Aquaculture Integrated Development

### *Horizon 2020*

The company participates in the four-year programme (May 2017 - April 2021), subsidized by the European Commission under the frame of Horizon 2020 with grant agreement no. 727315, MedAID (Mediterranean Aquaculture Integrated Development). This programme aims to improve the technical performance of Mediterranean Aquaculture and is coordinated by the Mediterranean Agronomic Institute of Zaragoza-International Center for Advanced Mediterranean Agronomic Studies (IAMZ-CIHEAM) and the Institute for Research and Technology of Agricultural Products (IRTA).

The involvement of the company in this programme includes participation in a research experiment to be carried out at its premises and concerns the comparison of breeding of the same-genetic sea bream, feeding on the same type of feeds, in two different breeding environments (Galaxidi, Greece - Cudomar SL, Spain). Also, the company's involvement in MedAID includes the completion of product and sales questionnaires for its farmed species. The participation of its executives in the congresses and in the annual meetings for coordinating and monitoring the development of the MedAID programme is necessary and very constructive, since through the discussions and the results announced, knowledge, techniques and experience are disseminated both by the companies involved to the research centers, and vice versa. For more information please use the following link: <http://www.medaaid-h2020.eu/>

**The programme is funded in 100% by European Union.**



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 727315







*Pic. 3: From the kick-off meeting of the MedAID project, held in Zaragoza in May 2017*



*Pic 4: From the collaboration among Galaxidi Marine Farm S.A., Nofima Institute, EGE University and Wageningen University for the samplings of the experiment, held in the company's premises in September 2019*



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 727315



# MedAID Newsletters

## **MedAID newsletter 01, October 2017**

<https://us13.campaign-archive.com/?e=%5bUNIQID%5d&u=a686a7ccff1c87067228be624&id=26b4384e06>

## **MedAID newsletter 02, June 2018**

<https://mailchi.mp/d4e39453dd32/medaid-mediterranean-aquaculture-integrated-development-1119097?e=ad8d8bb1b8>

## **Executives ARTICLE GALAXIDI SA, July 2018**

<http://www.medaid-h2020.eu/index.php/2018/07/18/in-the-spotlight-thomas-siarpas-and-kalliopi-tsakoniti/>

## **MedAID newsletter 03, November 2018**

<https://mailchi.mp/9a41c93261e4/medaid-mediterranean-aquaculture-integrated-development-1119717?e=ad8d8bb1b8>

## **MedAID newsletter 04, June 2019**

<https://mailchi.mp/70ffa03edab5/medaid-newsletter-04-june-2019?e=51d0ca7615>



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 727315



# FutureEUAqua

**Future growth in sustainable, resilient and climate friendly organic and conventional European aquaculture**

## *Horizon 2020*

The company participates in the FutureEUAqua project (October 2018 - September 2022), subsidized by the European Union under the Horizon 2020 programme, and with its own participation. Coordinator of this programme is one of the largest institutes of applied research in the fisheries, aquaculture and food research in Europe, Nofima Institute. FutureEUAqua's overall objective is to effectively promote growth of resilient to climate changes, environmentally friendly organic and conventional aquaculture of major fish species and low trophic level organisms in Europe, to meet future challenges with respect to the growing consumer demand for high quality, nutritious and responsibly produced food. For more information please use the following links:

<https://futureeuaqua.eu/>

[https://www.instagram.com/farm\\_fish\\_for\\_the\\_future](https://www.instagram.com/farm_fish_for_the_future)

**The programme is co-funded in 70% by European Union, and by own participation.**



*Pic. 5: From the kick-off meeting of the FutureEUAqua project, held in Norway in December 2018*



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 817737





# NewTechAqua

**New Technologies, Tools and Strategies for a Sustainable, Resilient and Innovative European Aquaculture**

## *Horizon 2020*

Recently, the four-year, European Union-subsidized and self-participation programme, NewTechAqua, was approved under the Horizon 2020 programme. Consortium members are some of the largest applied research institutes in the fisheries and aquaculture sector, such as the Seafood Innovation Cluster, NOFIMA, MOWI and the Norwegian Veterinary Institute (NVI). NewTechAqua aims to expand and diversify the European product of fresh juveniles, mollusks and micro-algae by developing and validating advanced technology solutions for sustainable development to ensure the sustainability of European aquaculture and its global role in technology leadership.

The involvement of the company in the project includes the implementation of research protocols in industrial conditions, by conducting experiments with innovative organic sea bream, as well as the creation of a web-based platform that will be filled in with data concerning the reproduction of the Greater amberjack. Finally, data will be provided to create business models and business plans to analyze current and emerging markets to exploit the results of the programme. For more information please use the following link:

<https://www.newtechaqua.eu/>.

**The programme is co-funded in 70% by European Union, and by own participation.**



*Pic. 6: From the kick-off meeting of the NewTechAqua project, held in Bologna in January 2020*



*Pic. 7: From the Minutes of WP4 -Closing the reproductive cycle of new/emerging fish, kickoff meeting of the NewTechAqua project, held in Bologna in January 2020*



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 862658







# State-funded programmes

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# Magiatiko

Improvement of breeding management practices and production of Greater amberjack (*Seriola dumerili*)



The company participates in the three-year (June 2019 - June 2022) subsidized programme (NSRF 2014-2020) of the Operational Programme Competitiveness, Entrepreneurship & Innovation (EPAnEK) co-financed by the National and European Regional Development Fund (ERDF) having the acronym MAGIATIKO.

The object of the MAGIATIKO project is to improve the methods of broodstock management of Greater amberjack (*Seriola dumerili*) and the production of juveniles of best quality, in order for the Greek aquaculture industry to embrace such a production. The production of amberjack will differentiate the Greek aquaculture industry, both in terms of species and products, since the large size of the amberjack gives the possibility of more efficient processing of its flesh and the production of added value products, which are more accessible and consumer friendly in the main European markets, where Greek aquaculture aims.

For more information, please visit

<https://magiatiko.weebly.com/>.

The programme is co-funded by European Regional Development Fund (ERDF) and Hellenic Republic via the Operational Programme “Competitiveness, Entrepreneurship & Innovation” (EPAnEK) in 65%, and by own participation.



# Robust

## Preventing *Vibrio harveyi* with innovative tools

In June 2019, another Operational Program for Competitiveness (ERDF) 2014-2020 was approved, co-funded by the National Treasury, European Regional Development Fund (ERDF) and own participation, with the acronym ROBUST. The aim of the programme is to develop innovative tools for the prevention of the *Vibrio harveyi* pathogen in both the fish farming in sea cages and hatchery environment. *Vibrio harveyi* is a very important pathogenic bacterium of fish and invertebrates, which is associated with very serious production losses.

This programme aims to tackle the disease through prevention using autogenous vaccines and bacteriophages. The company will contribute to the project by providing raw material (water, fish, etc.) as well as access to its facilities in the research team of HCMR. These raw materials are necessary for the development of the autogenous vaccines and bacteriophages for the prevention from the *Vibrio harveyi* bacteria. The products to be developed will be tested in vitro in HCMR and in vivo at the University of Crete. In the final phase of the project, the company will test the products under industrial scale conditions.

The programme is co-funded by European Regional Development Fund (ERDF) and Hellenic Republic via the Operational Programme “Competitiveness, Entrepreneurship & Innovation” (EPAN EK) in 65%, and by own participation.



# Oxygen

## O<sub>2</sub> management in fish farm cages to maximize productivity

From April 2019 until October 2022 the company participates in the subsidized Operational Programme (EPALTH 2014-2020) co-funded by the National State, the European Maritime and Fisheries Fund in Greece (EMFF OP) and own participation, entitled "O<sub>2</sub> management in fish farming cages to maximize productivity".

This programme aims at achieving higher productive indicators during periods of the year when reduced O<sub>2</sub> occurs in farm cages, as O<sub>2</sub> is one of the main regulatory factors of metabolism and thus growth and health of farmed fish. Also, the programme aims to provide the necessary safety from mortalities due to the reduced content of water in O<sub>2</sub>, during grow out phase. Therefore, industrial scale tests using O<sub>2</sub> in sea cages will be conducted, recording productivity in seabass and seabream production in relation to O<sub>2</sub> use.

**The programme is co-funded by the European Maritime and Fisheries Fund in Greece (EMFF OP) and Hellenic Republic via Operational Programme "Fisheries and Maritime 2014-2020" (EPALTH 2014-2020) in 30%, and by own participation.**



HELLENIC REPUBLIC  
Ministry of Rural Development  
and Food

