



ANNUAL COORDINATION MEETING

WP 31 DISSEMINATION

Rocio Robles

OBJECTIVES



- ✓ **Disseminate the knowledge** acquired to scientific community and aquaculture sector.
- ✓ Promote implementation of **new husbandry methods, protocols & products** developed by DIVERSIFY to the aquaculture industry & the seafood processors.
- ✓ Enhance awareness of the diversification efforts of the project to the **general public**. Special attention to **Food industry & Consumer's organizations**.
- ✓ Promote investment opportunities **making available the species feasibility studies to the industry**.
- ✓ **Documented information to fish producers, fish processors & consumers** on the new farmed aqua products from DIVERSIFY.

PROGRESS:



✓ **Task 31.1** Website (D31.1), brochure & logo (D31.2 information on the objectives and main tasks.

✓ A **Newsletter** with regular updates on the project → *Recent Activities and Dissemination.*),

➤ Production and release of AV material (D31.4 & D 31.7)



NEWSLETTER N°1, Semester-I, 2014

On 29-30 January 2014, the European Commission project DIVERSIFY (FP7-6386-2013, GA 603121) had its Kickoff meeting at the Hellenic Center for Marine Research (HCMR) in Ithaca, Crete, Greece. The project is coordinated by Dr. Constantinos C. Mylonas of the Institute of Marine Biology, Biotechnology and Aquaculture (IMBBA). DIVERSIFY has a total budget of 11,8 million € for its 5 year duration and it is one of the largest research projects in the area of aquaculture funded by the European Commission. DIVERSIFY is a multi-disciplinary project involving scientists from various countries and Medium Enter

The project DIVER for the expansion of a large size amberjack (Seriola lalandi) in marine cage culture a euryhaline herb recirculating system



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

NEWSLETTER N°1 [December 2014]

Reproduction a

The first experiments Atlantic halibut (Haddock) facilities of the Hellenic Center of females of an ave the same stage of were in early oocyte males were in 5 randomly to three GnRHs in a control implanted and used GnRH 1g/L and Control fish were ovulation, and three

Reproduction of DIVER



Reproduction and control from DIVERSIFY results on the sea



For the third issue of DIVERSIFY out during the first 18 months is presented here. **ADVANCES IN MEAGRE (Argyi)**



www.diversifyfish.eu. Below

Reproduction & Genetics: To broodstocks coming from 13 countries were genetically adequate genetic variation to selected families. Besides, pre developed and implemented. maturity status or repeated sp

Larval culture: A study to de period was carried out during technique, and live prey was larvae that had been offered it 15 days post hatching (dph) controls in terms of growth, v different. However, high can and, therefore, a new trial star

Nutrition: Results revealed the Fatty Acids (HUFA) to promote oxidation, therefore, indicating compounds. The specific nut basal diet formulation has been

1st semester July 2014

2nd semester Jan 2015

3rd semester June 2015

4th semester Jan 2016

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

NEWSLETTER N°2 [May 2015]



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

NEWSLETTER N°4 [January 2016]

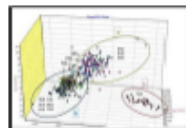


DIVERSIFY IN AQUACULTURE EUROPE 2015

This fourth newsletter provides an overview of the major achievements of the project on each of its six species. The summary is based on the presentations at the DIVERSIFY session at AQUACULTURE EUROPE 2015 conference (October 22nd 2015, Rotterdam, The Netherlands). The meeting focused on the work carried out by the project during 2014 and 2015 and was chaired by the Project coordinator of DIVERSIFY, Dr. Constantinos C. Mylonas, and the Dissemination leader, Dr. Rocío Robles. Summary presentations were given by each of the six Species leaders of DIVERSIFY and by other researchers on specific topics. The session was titled **New/emerging finfish species (EU Diversity project)** and up to 120 persons attended the meeting.

MEAGRE (Argyrosomus regius). Species leader Dr. Alicia Estevez presented the different results about this species.

Reproduction & Genetics: The two main achievements have been the description of the genetic variability of a large number of broodstock groups, demonstrating that the available broodstock in the Mediterranean comes from three main origins: Spain, France and the Aegean Sea. The French lineage is represented in most commercial hatcheries throughout the Mediterranean Sea. The second achievement was the demonstration that meagre can respond to repeated hormonal therapies for the induction of spawning. A method has been developed for hormonal induction during 17 consecutive weeks of the same female and the pair mating of specific females with weekly changes of males, in order to produce large numbers of families for the future breeding programs implementation.



Nutrition and Larval husbandry: The experiment carried out in this area shows that supplementation of early weaning diets with n-3 HUFA, vit C and vit E has beneficial effects on larval performance.

Grow out husbandry: The results of size variability tests (no compensatory growth in different fish classes after grading), as well as the distribution of fish in sea cages using echo integrator were shown, along with the results of the use of light or air bubbling as stimuli for the conditioning of fish to anticipate feeding in juveniles, expanding knowledge on feeding behavior on this species.

Health: The results showed that replacement of fish oil with essential oils has a positive immune response in juveniles. Moreover, the influence of nutrition in Systemic Granulomatosis and the evolution of Chronic Erosive Dermatitis are being analyzed.

GREATER AMBERJACK (Seriola lalandi). The summary on greater amberjack was presented by Species leader Dr. Nikos Papanoulakis.

Reproduction & Genetics: A large number of wild fish was acquired to establish 5 broodstock groups. Progress has been achieved towards a spawning induction protocol providing large numbers of good quality eggs. Gametogenesis in captivity is not complete in Mediterranean stocks, whereas, in the East Atlantic stocks, spontaneous and induced spawning have been achieved obtaining high quality eggs. Sampling of wild and reared specimens in different gametogenesis phases started to describe the reproductive cycle and detect possible dysfunctions in captivity.





Newsletter

Articles in magazines/internet >

Scientific articles

Blog

Presentations/Posters

Activities & Photo gallery

NEWSLETTER

Contact Newsletter Editor

FOURTH NEWSLETTER DIVERSIFY N° 4, SEMESTER-4 2016

D31.1

WEBSITE



250 visitors/day (month of January)

updated 02-02-2016

PROGRESS:

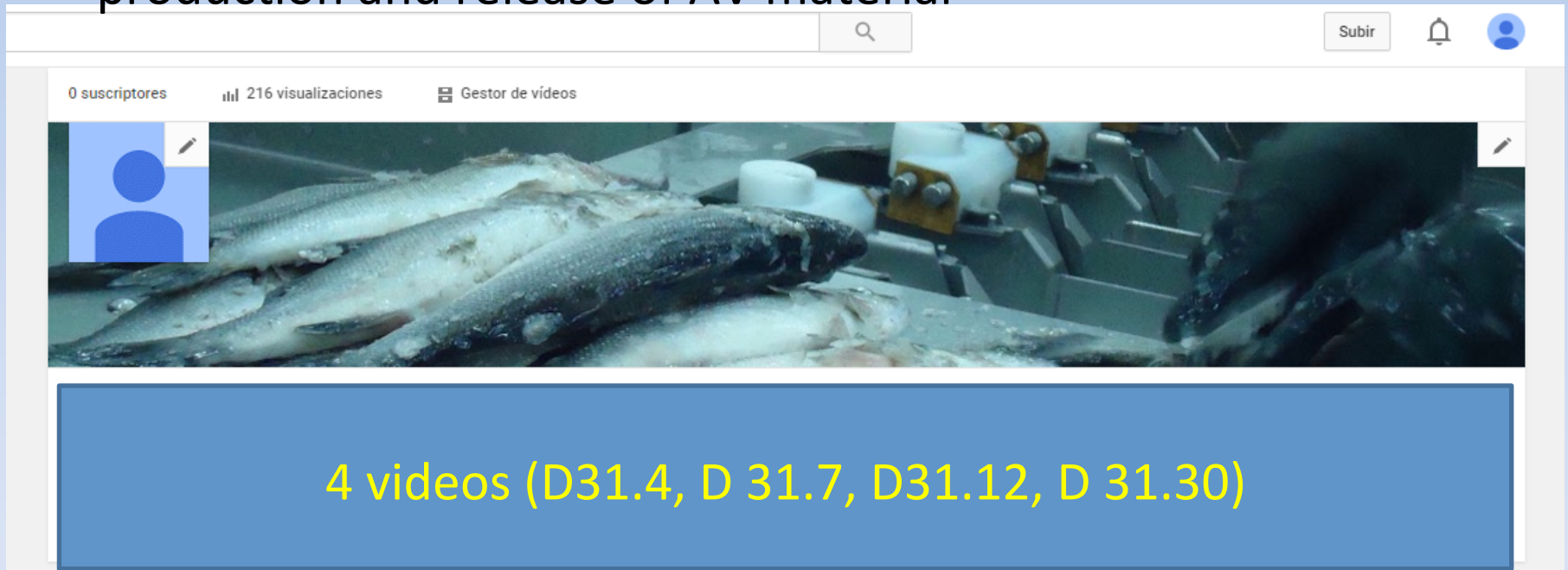


- ✓ **Task 31.1** Website (D31.1), brochure & logo (D31.2 information on the objectives and main tasks.
 - ✓ A **Newsletter** with regular updates on the project → *Recent Activities and Dissemination.*),
 - Production and release of AV material (D31.4 & D 31.7)
 - ✓ Downloadable documentation for general public.
 - ✓ Links to abstracts, presentations and scientific articles (Dissemination/ scientific articles)
 - ✓ Links to related national and EU projects

PROGRESS:



- ✓ **Task 31.1** Website (D31.1), brochure & logo (D31.2), production and release of AV material



4 videos (D31.4, D 31.7, D31.12, D 31.30)

- Wreckfish sampling
- Wreckfish Aquarium La Coruña
- Transport of broodstock
- Great amberjack fed on moist pellets



leo interview 20151001
visualizaciones · Hace 4 meses
ACM, Nancy, 2016



video podcast reedition
20150930
1 reproducción · Hace 4 meses



Meagre IRTA

D31.4 & 7

AUDIOVISUAL



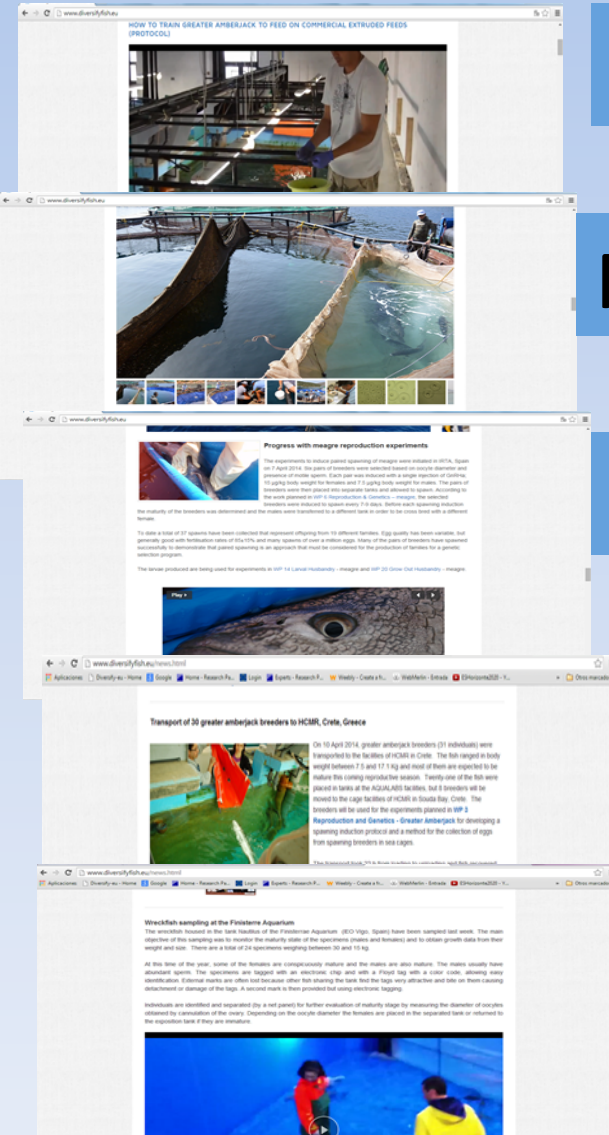
Feeding- amberjack

Reproduction - meagre

Reproduction wreckfish

Transport - amberjack

Sampling - wreckfish





[NEWS](#)

[SUMMARY](#)

[PARTNERS](#)

[SPECIES](#)

[RESEARCH AREA](#)

[DISSEMINATION](#)

[INTRA](#)

NEWS

The most up-to-date general-audience information on the project

[Contact Dissemination Coordinator](#)



[RECENT ACTIVITIES](#) [RECENT ACTIVITIES](#) [RECENT ACTIVITIES](#) [RECENT ACTIVITIES](#)

PROGRESS:



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- ✓ **Task 31.2** Annual Coordination Meetings: D 31.1, (Heraklion 2014, Bari 2014, **Nancy 2016**)

Intra/meeting&activities/2016Annual Coordination Meeting (Feb)

Specific partner
information
INTRANET

2016 ANNUAL COORDINATION MEETING

The meeting will be hosted by P9, University of Lorraine in **Nancy, France** in 2-4 February 2016 (3 full day meeting)

Contact Program Coordinator

UNIVERSITÉ DE LORRAINE The 3-day meeting will be hosted by hosted by Dr. Pascal Fontaine of the University of Lorraine (UL) and will be held in 2 facilities:

DAY 1: Museum and Aquarium of Nancy (MAN), 34 rue Sainte Catherine (near Stanislas Place)
DAY 2 & 3: Brabois Campus, University of Lorraine, Vandœuvre-lès-Nancy

Download the "ACM 2016 Information" package

The image shows a webpage for the 2016 Annual Coordination Meeting. It features a blue header with the title and a map of Europe highlighting the location of Nancy, France. Below the header is a white section with the University of Lorraine logo and contact information. The text describes the meeting dates and location, and provides a link to download the information package.

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A poster for a "Special Session: New/emerging finfish species (EU DIVERSIFY Project)". The poster has a light blue background. At the top left is a circular logo with colorful segments and the text "Aquaculture, Nature and Society" and "aquaculture europe 15". To the right of the logo is the text "Special Session: New/emerging finfish species (EU DIVERSIFY Project)". Below this is a horizontal line. Under the line is the text "Potential of new/emerging candidate fish species for the expansion of the European aquaculture industry". At the bottom left is the DIVERSIFY logo. To its right is the text "Co-funded by the Seventh Framework Programme of the European Union". At the bottom right is the European Union flag.

<http://www.diversifyfish.eu/presentationposters.html>

Presentations Rotterdam 2015

Special session

www.diversifyfish.eu/species/meagre....



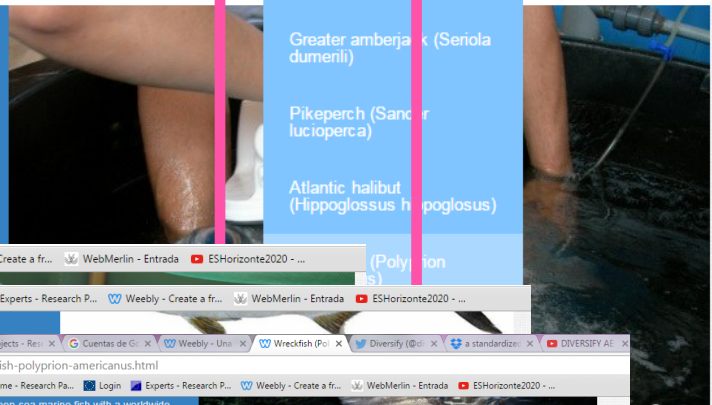


- Meagre (*Argyrosomus regius*)
- Greater amberjack (*Seriola dumerili*)
- Pikeperch (*Sander lucioperca*)
- Atlantic halibut (*Hippoglossus hippoglossus*)

INTRA

WRECKFISH

A large deep-sea marine fish with a worldwide distribution, often included in the "grouper" family.



AE2015 ROTTERDAM

During the Aquaculture Europe 2015 conference, DIVERSIFY project had a special session day, Thursday 22th October. Major achievements in meagre culture obtained during 2014 and 2015 were presented by the species leader Bill Koven, (IOLR), with results from the work of H. Rosenfeld, C. Fauvel, O. Nixon, A. Tandler, I. Meiri-Ashkenazi, A. Bitan, E. Gisbert, A. Estévez, Y. Kotzamanis, R. Robles, G. Shafran, N. Papaioannou.

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Contact Species Leader

AE 2015 ROTTERDAM SPECIAL SESSION DIVERSIFY

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Co-funded by Framework of the Europe

REDUCTION OF MAJOR BOTTLENECKS IN THE INTENSIVE PRODUCTION OF ATLANTIC HALIBUT (*SANDER LUCIOPERCA*).

P. Fontaine, I. Lund, C. Mandiki, M. Izquierdo

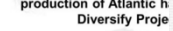


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Solving bottlenecks in the production of Atlantic halibut Diversity Project

Sigilla Norberg, Søren Enevold, Tomstein Harbo, Mylona, Sonal Patel, Shird Bergh, Nina Sand



Reproduction and growth

W. Koven, H. Rosenfeld, C. Fauvel, O. Nixon, A. Tandler, I. Meiri-Ashkenazi, A. Bitan, E. Gisbert, A. Estévez, Y. Kotzamanis, R. Robles, G. Shafran, N. Papaioannou.

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First summary of studies carried out on the grey mullet (*Mugil cephalus*) in the EU project DIVERSIFY

W. Koven, H. Rosenfeld, C. Fauvel, O. Nixon, A. Tandler, I. Meiri-Ashkenazi, A. Bitan, E. Gisbert, A. Estévez, Y. Kotzamanis, R. Robles, G. Shafran, N. Papaioannou.



0/14206280/5064526_orig.jpg

14206280/2348181_orig.jpg

14206280/3711692_orig.jpg

2014 studies on the grey mullet touched on various aspects of the life cycle



✓ **Dissemination:**
Articles in Aquaculture Europe



OCTOBER 2014



MARCH 2015



SEPTEMBER 2015



PROGRESS:



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- ✓ **Task 31.4** Scientific presentations & submission of manuscripts:

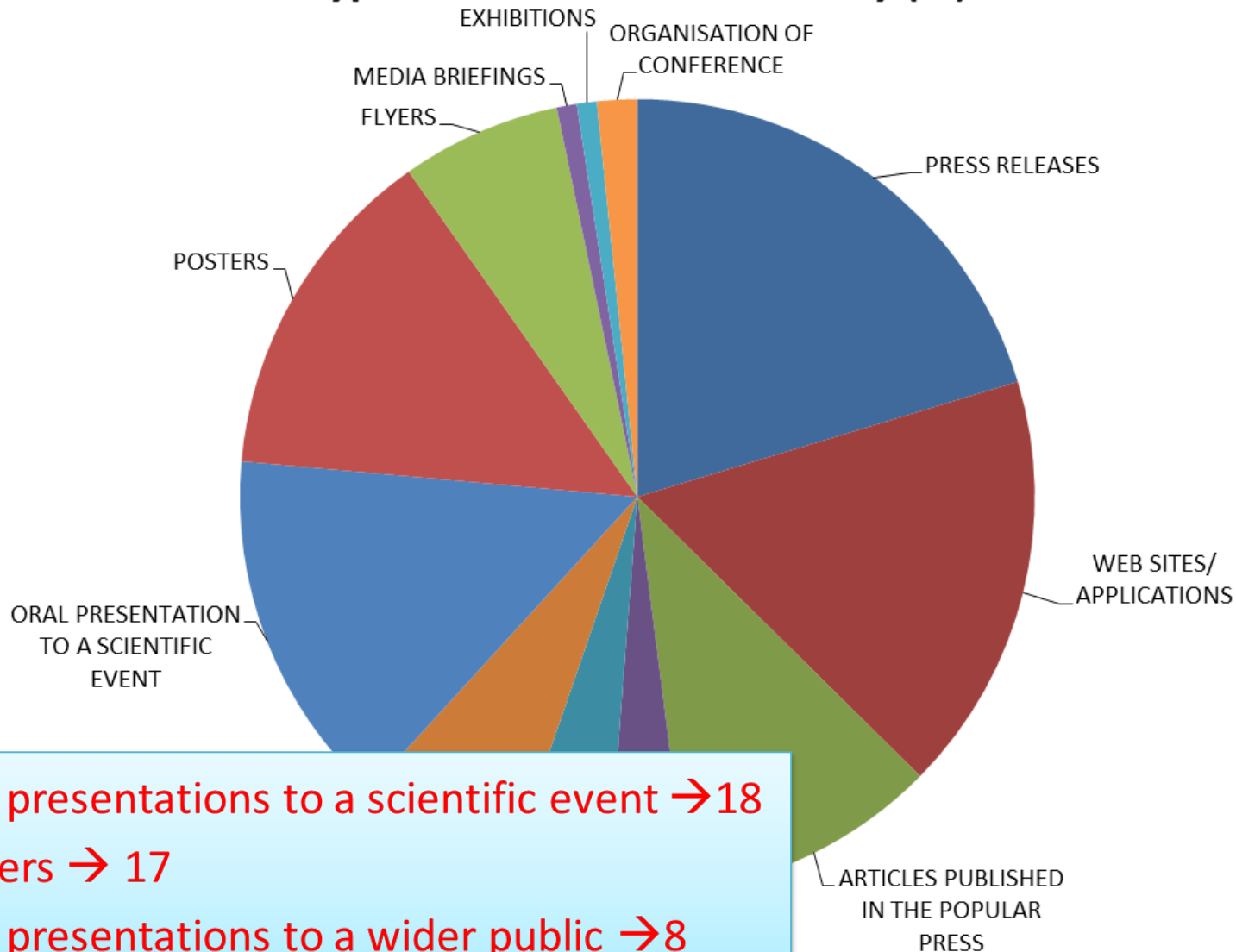
DOW: D31.11) Scientific publications in relevant journals: From the work carried out within the different work packages

It is expected to produce at least, **two scientific publication per species per year** (meagre, greater amberjack, pikeperch, Atlantic halibut, wreckfish and grey mullet)

Total output of **60 scientific articles** for the whole programme.

Status??

Type of dissemination activity (%)



✓ Oral presentations to a scientific event → 18

✓ Posters → 17

✓ Oral presentations to a wider public → 8

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Any other publication??

The following statement should be included in all Dissemination material (press releases, interviews, web material, etc.)



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



Available at www.diversifyfish.com, INTRA, Forms and Protocols

This 5-year-long project (2013-2018) has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration (KBBE-2013-07 single stage, GA 603121, DIVERSIFY). The consortium includes 38 partners from 12 European countries –including 9 SMEs, 3 Large Enterprises, 5 professional associations and 1 Consumer NGO- and is coordinated by the Hellenic Center for Marine Research, Greece. Further information may be obtained from the project site at "www.diversifyfish.eu".

The following statement should be included in all Scientific presentations (Posters, Oral presentations and scientific articles)



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- ✓ **Task 31.5** Full-day seminars on “Know-how Transfer” of the aquaculture of each of the DIVERSIFY species (Y5)



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- ✓ **Task 31.6** Promotional workshops (led by CTAQUA). Specialized 1-day workshops will be organized in 4 strategic countries (Spain, Greece, UK and Italy) for the promotion of the project activities and results (CTAQUA, APROMAR). These workshops will be held during the last two years of the project, **Y4 and Y5**

PROGRESS:

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- ✓ **Task 31.7** Dissemination to the food industry & consumers:
 - D31.3 Food Today article (Eufic)
 - D31.5 Collaboration agreement with food industry and consumer organizations OCU (Spain), FEAP, EATiP- (D31.5)

→ APROMAR- AISP Association of International Seafood Professionals



An Association of International Seafood Professionals Limited

Seafood is a GLOBAL business



ABOUT DEVELOPMENT GILLS JOIN AISP MEMBERS STANDARDS SUPPORT & SUPPORTERS

DIVERSIFY LINKS TO AISP THROUGH APROMAR

Following a recent meeting between Javier Ojeda from Asociación Empresarial de Productores de Cultivos Marinos (APROMAR) and Roy Palmer from Association of International Seafood Professionals (AISP) and agreement on of sharing the main results of the DIVERSIFY project has been signed.

DIVERSIFY is a European research project that explores the biological and socio-economic potential of new/emerging candidate aquaculture fish species. This initiative is an ambitious 5-year project (2013-2018) that has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration (KBBE-2013-07). The DIVERSIFY consortium includes 38 partners from 12 European countries. Further information can be obtained from the project's website at

Blog

Indonesia – the place to be for Aquaculture

Truth, transparency and transformation

Aqua B.I.G. to launch in Hong Kong
DIVERSIFY LINKS TO AISP THROUGH APROMAR
OILS AINT OILS



ROUGH APROMAR | An Association of International Seafood Professionals Limited

ite to its members through its Y. The Consortium of DIVERSIFY the development of the project, have on the subject and will of the project.

or of new/emerging finfish on of the EU aquaculture ranean cage-culture, fish species esh water aquaculture have been s are fast growing and/or large xcessed into a range of greater diversity of fish species les to be studies iter amberjack (*Seriola* , wreckfish (*Polyprion* cage lossus) for marine cold-water line herbivore for pond/extensive freshwater intensive culture

eir biological and economical ographic area and to stimulate with the SMEs and/or Large rrent national initiatives for to overcome the documented and. Research will be carried n and t husbandry, Fish oduct quality). The combination c research planned in DIVERSIFY the aquaculture industry and help are products and development of d implementation of the new act, a wide range of rgeted both to the aquaculture s processing and retailing), as rcted species, the socio-economic rket development approach ts, market demand, buyer adding and market U aquaculture sector and the rovement of its international

Framework Programme of the

EUFIC



es (EUFIC) x

www.eufic.org/block/en/show/eu-initiatives/

ersify-eu - Home Google Home - Research Pa... Login Experts - Research P... Weebly - Create a fr... WebMerlin - Entrada ESHorizonte2020 - ...

- verify here. **CERTIFIED 11/2015**
- Facebook »
- Twitter »
- YouTube »
- LinkedIn »
- Google+ »

recommendations and developing new foods for consumers.

[Read more »](#)

behavioural disorders by studying gut microbiome influences on energy balance, brain development and their functions. The MyNewGut project aims to develop microbiome-based dietary intervention strategies, food ingredients and prototypes to reduce the impact of obesity and chronic-metabolic abnormalities.

[Read more »](#)

Characteristics.
[Read more »](#)

Role of health-related claims and symbols in consumer behaviour

CLYMBOL

Departing from the outcomes of the FP7 project FLABEL on food labelling, the 4 year research project CLYMBOL aims to determine how health claims and symbols are understood by consumers, and how they affect purchasing and consumption.

[Read more »](#)

Studying the need for food and health research

Diversification of fish species and products in European aquaculture



DIVERSIFY is a five-year project which aims to expand the European aquaculture industry, by overcoming bottlenecks to the production, marketing and consumption of new/emerging European cultured aquatic food.

New dietary strategies for healthy ageing in Europe



The NU-AGE project will explore how diet can help European seniors to live a healthier, longer life by new dietary strategies addressing the specific

www.eufic.org

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D31.5 Collaboration agreement with food industry and consumer organizations → APROMAR- AISP

Collaboration with the EU project TRAF00N



Traditional Food Network



Follow @TrafoonProject



TRAFOON Training Workshops

To support traditional food SMEs, TRAFOON organized 30 Training Workshops for SMEs in 13 European countries



To support traditional SMEs, TRAFOON has set sail in November 2013 to establish a **knowledge transfer network** with a focus on food products made of grains, **fish**, fruits, vegetables and mushrooms to support traditional food producing SMEs. The **TRAFOON network** will interlink researchers, knowledge transfer agents, and SME associations in 14 European countries



Fakulta rybnářství
a ochrany vod
Faculty of Fisheries
and Protection
of Waters

Jihočeská univerzita
v Českých Budějovicích
University of South Bohemia
in České Budějovice
Czech Republic



trafooon

Traditional Food Network to improve the transfer of knowledge for innovation



Exploring the biological and socioeconomic potential of new/emerging candidate fish species for the expansion of the European aquaculture industry.

www.diversifyfish.eu

Improving fish feed and feeding techniques, fish processing, labelling and marketing with fish products 1st – 2nd February 2016

Vodňany, Czech republic

International Environmental Educational, Advisory and Information Center of Water Protection Vodňany
Na Valše 207, 389 01 Vodňany

Dr. Tomas Policar

The expert seminar is intended for Czech fisherman, processors and marketers with fish and fish products. During the seminar the academic and research workers will present current research findings in the field of fish feed, fish processing and marketing and will answer questions about this issue. Furthermore, the excursions to the market



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- ✓ **Task 31.2** Annual Coordination Meetings: D 31.1, (Heraklion, Bari, Nancy)
- ✓ **Task 31.3** DIVERSIFY at EAS 2014, San Sebastián (Spain) (D 31.6), EAS 2015 (D 31.9), Rotterdam, 2015, D31.10 Special Session AE 2015 (D 31.10).
- ✓ **Task 31.4** Scientific presentations & submission of manuscripts: D31.11:
- ✓ **Task 31.7** Dissemination to the food industry & consumers:
D31.3 Food Today article (Eufic)

D31.5 Collaboration agreement with food industry and consumer organizations → APROMAR- AISP

Collaboration with the EU project TRAF00N

Presentation of DIVERSIFY at the OFFSHORE MARICULTURE CONFERENCE, April 2016, Barcelona.



Task 31.7 Dissemination to the food industry & consumers:

2016 OFFSHORE MARICULTURE CONFERENCE EUROPE

6-8 April 2016 • World Trade Centre, Barcelona, Spain

SUPPORTED BY:

Sociedad Española de Acuicultura **APROMAR** **feap** **European Aquaculture Technology and Innovation Platform** **Bundesverband Aquakultur**

CONFERENCE PROGRAMME

The poster features a large, stylized blue geometric structure resembling a globe or a complex network, with a green fish leaping out of the top. The text is arranged in a clear, hierarchical manner, with the event title in large, bold letters and the date and location in a slightly smaller font. The logos of the supporting organizations are displayed in a row below the main text.

Task 31.7 Dissemination to the food industry & consumers:



The screenshot shows the homepage of the EuroTier website. At the top, there is a navigation bar with links for 'News / Press', 'Exhibitors 2014', 'Innovations', 'Produkt Focus', 'Technical Programme', 'For Visitors', 'For Exhibitors', and 'Contact'. A red circle highlights a small globe icon in the top right corner of the page header.

The main banner features the EuroTier logo and the tagline 'The world's leading trade fair for animal production'. Below the banner, there is a navigation menu with the following items: 'News / Press', 'Exhibitors 2014', 'Innovations', 'Produkt Focus', 'Technical Programme', 'For Visitors', 'For Exhibitors', 'Contact', and 'International'.

On the left side, there is a countdown timer showing '285 Days', '9 Hours', and '8 Minutes'. Below this, there is a section titled 'including:' with a logo for 'Energy Decentral'.

The main content area features a video player with the title 'EuroTier - The world's leading trade fair for animal...' and a play button. Below the video, there is a caption: 'ACM, Nancy, 2016'.

On the right side, there is a 'News' section with three articles:

- 28.01.2016 EuroTier 2016 presented to Hungarian farming experts
- 14.01.2016 EuroTier 2016 and the World Poultry Show to be presented at IPPE
- 01.12.2015 EuroTier 2016 will again include the World Poultry Show

Below the news section, there is a 'EuroTier 2014 App' section with download links for the 'App Store' and 'Google play'.

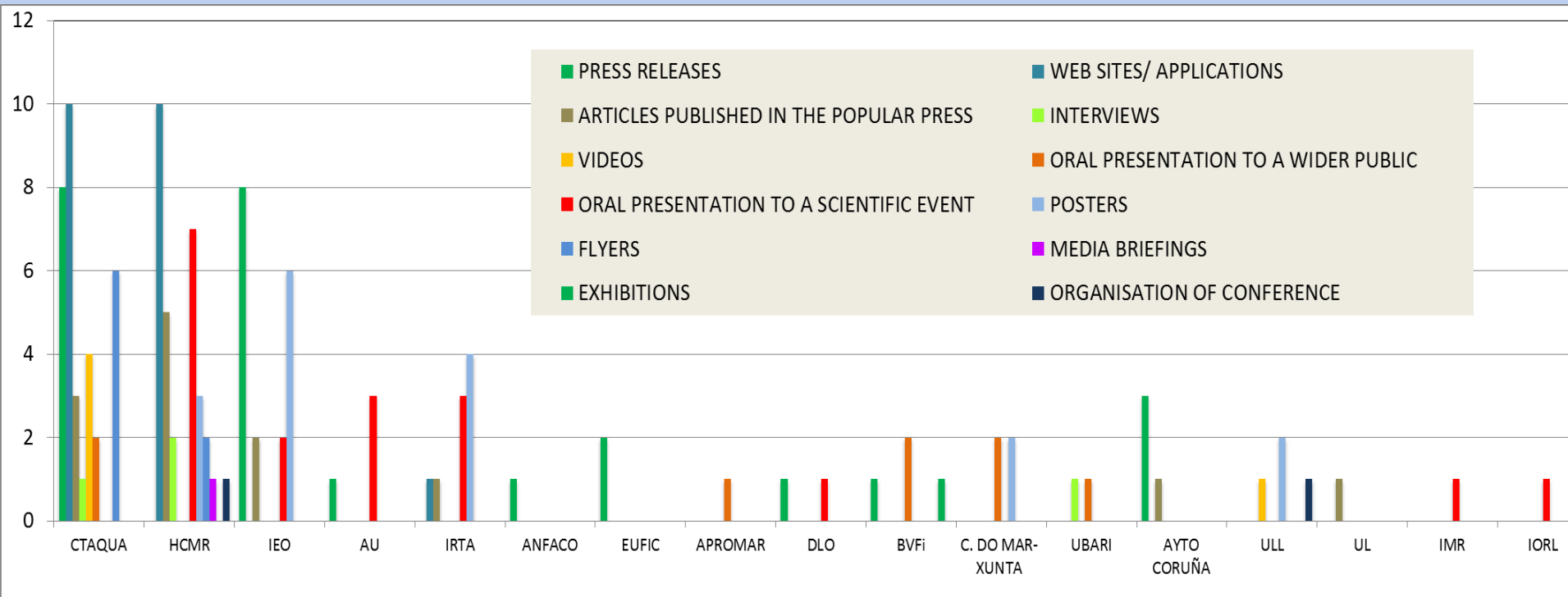
ACM, Nancy, 2016



Task 31.7 Dissemination to the food industry & consumers:

A screenshot of the website for 'Seafood Expo Global' and 'Seafood Processing Global'. The page has a white header with navigation links: 'ATTEND', 'EXHIBIT', 'EXPO HIGHLIGHTS', 'HOTEL/TRAVEL', 'ABOUT', 'PRESS', and 'REGISTER' (with a red arrow icon). The main content area has a green background with a white abstract graphic on the left. The text in the center reads: 'THE GLOBAL SEAFOOD MARKETPLACE SEAFOOD EXPO GLOBAL SEAFOOD PROCESSING GLOBAL'. Below this, it says '26-28 APRIL 2016 BRUSSELS, BELGIUM'. At the bottom center, there is a red button with the text 'REGISTER NOW!' in white.

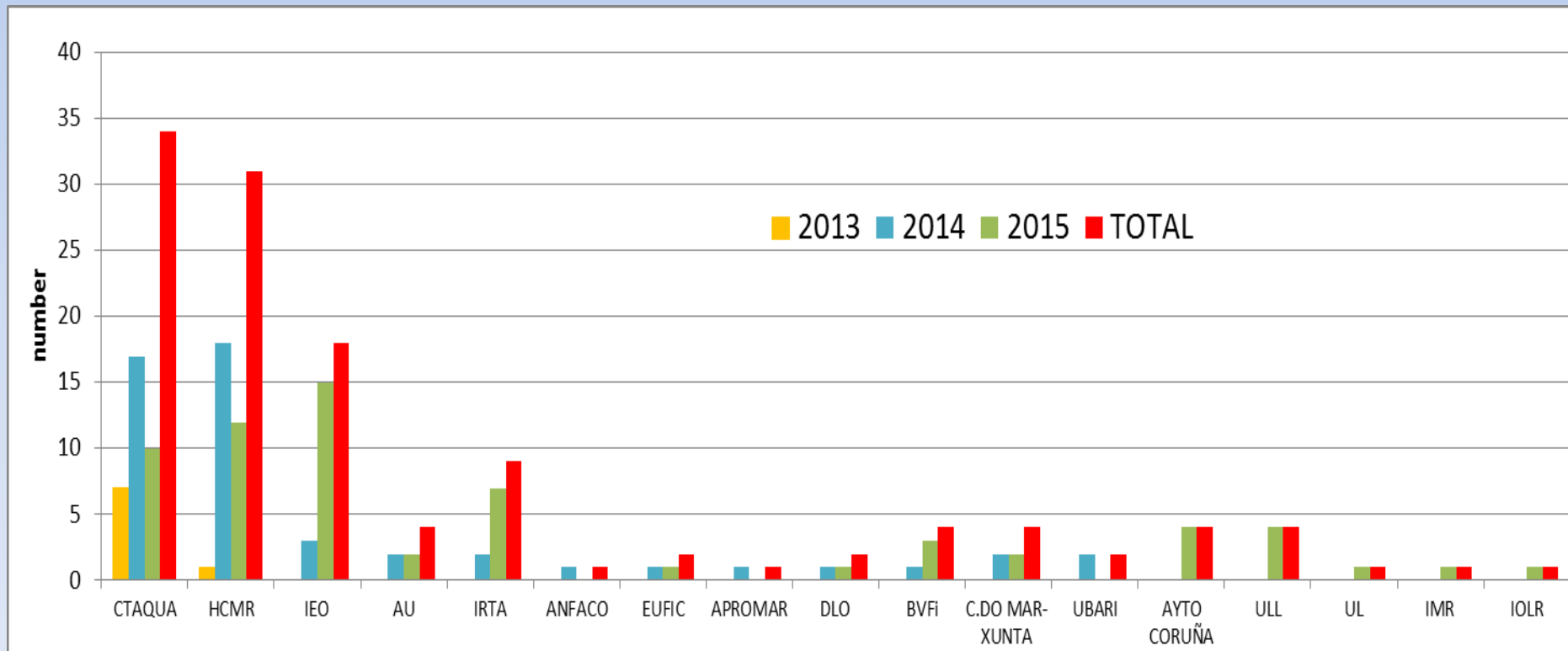
Dissemination activities per type and partner



CTAQUA 27,64 %
 HCMR 25,20 %
 IEO 12,63 %
 IRTA 7,32 %

(Source SESAM platf.)

Dissemination activities per year:



(January 2016)

<https://twitter.com/diversifyfish>

A screenshot of a Twitter profile page for the account @diversifyfish. The profile name is 'Diversify' and the handle is '@diversifyfish'. The profile picture is the same colorful circular logo seen in the previous image. The statistics for the account are: 579 TWEETS, 238 FOLLOWING, and 185 FOLLOWERS. These statistics are highlighted with a red rectangular border. The page also shows a search bar, navigation links (Home, Notifications, Messages), and a 'Who to follow' section on the right. The browser's address bar shows the URL 'https://twitter.com/diversifyfish'.

TWEETS	FOLLOWING	FOLLOWERS
579	238	185



TO DO'S

DISSEMINATION



- Partners must send the information to dissemination leader to be uploaded!
- Every time you do something (experiment), write an article and send it to Rocio... (so far 2 answers...)
- The website must be a “hot point” for stakeholders!!
- We advertise our work!!!

<http://www.diversifyfish.eu/>

Changes in the web tabs: scientific articles and publications their own tab

www.diversifyfish.eu



Search



NEWS

SUMMARY

PARTNERS

SPECIES

RESEARCH AREA

DISSEMINATION

NEWS

The most up-to-date general-audience information on the project

Contact Dissemination Coordinator



Newsletter

Articles in magazines/internet

Scientific articles

Blog

Presentations/Posters

Activities & Photo gallery

✓ Dissemination:

Articles in Aquaculture Europe



OCTOBER 2014



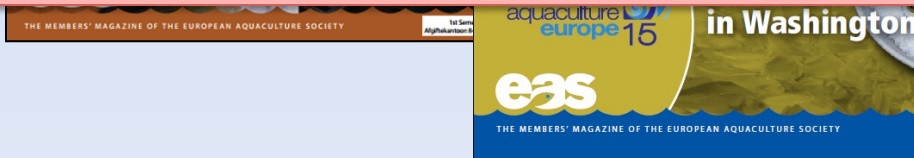
MARCH 2015



SEPTEMBER 2015



Next: March 2016!!!
Greater amberjack
Deadline February 29 th
5-8 pages text, 1500 words



Aquaculture Europe 2016

Parent Category: ROOT Published Date

Welcome to Aquaculture Europe 2016 and welcome to Edinburgh!

IMPORTANT INFORMATION ON ABSTRACT SUBMISSION:

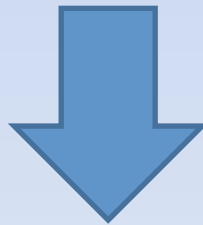
EAS has found that many people wait to submit an abstract until closer to the meeting because they are waiting for the latest data/results. These late submissions cause problems for the presenter, the Program Committee and the session.

AE 2016
Deadline abstract submission
March 21



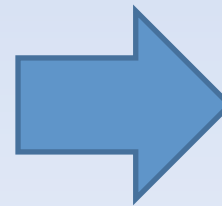
ACM Nancy 2016 each GWP :

- REPRODUCTION,
- NUTRITION
- LARVAL HUSBANDRY
- GROW OUT
- FISH HEALTH
- SOCIOECONOMICS



RESULT SUMMARY

(1 page all included)



ASSOCIATIONS
REPRESENTED IN
THE CONSORTIUM:
APROMAR
BVi
FGM
EUFIC
ANFACO
MASZ



State of experiments -UPDATE

WP No:	3	WP Lead beneficiary:	8
WP Title:	Reproduction & Genetics – greater amberjack		
Task No:	3.5	Task Lead beneficiary:	1
Task Title:	Spawning induction of greater amberjack and egg collection in cages (Please use the title as it appears in the DOW)		
Status:	This was the first year of experiments, which will continue for the duration of the project (20% completed) (Percentage of execution)	Expected end date:	2018

Objective: The objective of this experiment was to apply the developed spawning induction methods for broodstocks maintained in cages, and examine the efficiency of an egg collector to obtain fertilized eggs.

Description: Brief description of the work (max. 1000 characters)

Trials were carried out at HCMR and Galaxidi Marine Farms, Greece. Egg collection devices were mounted in cages of 40-m perimeter covering the top 3.5 m of depth of the cage. The designed egg collector was a passive trapping device, which restricts the movements of floating eggs within the cage, on the water surface. Egg collectors limit the movements of eggs inside the cage because is mounted on the net of the cage, like a “curtain” and does not allow surface water movements.

Fish were monitored for reproductive maturation (Fig. 1) and when female fish were in the appropriate stage of oocyte development, they were administered with a GnRH α implant of 750 and/or 500 mg GnRH α , depending on their size, to obtain an effective dose of $\sim 50 \mu\text{g GnRH}\alpha \text{ kg}^{-1}$ body weight (Fig. 2). Similarly, males received implants of 500 or 750 mg GnRH α to obtain an effective dose of $\sim 30 \mu\text{g GnRH}\alpha \text{ kg}^{-1}$ body weigh. The cages were examined for the presence of eggs on the surface every morning after treatment (Fig. 3).

Results so far (max. 1000 characters)

All females were at an advanced vitelogenesis stage with oocyte diameters of 500-700 μm and very little occurrence of atresia. Also, some females were found to be in advanced oocyte maturation and some had already ovulated spontaneously. Males produce sperm of good quality during the spawning period, and although it was not investigated, males treated with GnRH α maintained good spermiation and quality parameters even after repeated spawning and production of fertilized eggs.



Females maintained in cages during gametogenesis had a better response to the GnRH α treatment, producing eggs of higher fecundity and most importantly of better fertilization success, compared to females reared in tanks. Egg collection was possible from broodstocks maintained in cages, but the fecundity achieved was much less than from stocks spawning in tanks. This is probably due to significant losses of eggs from the cage, and more work needs to be done to optimize the egg collection process.

Pictures: please include max. 3 pictures in low resolution (200 kb), inserted as .jpg

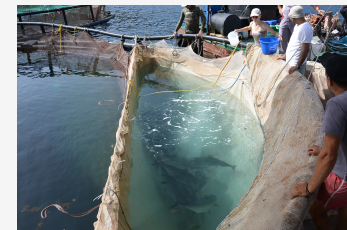


Figure 1. Anesthetizing fish in a cage to evaluate reproductive status and induce spawning.



Figure 2. Treatment of fish with reproductive hormones to induce spawning.

Available at www.diversifyfish.com,
INTRA, Forms and Protocols

DISSEMINATION

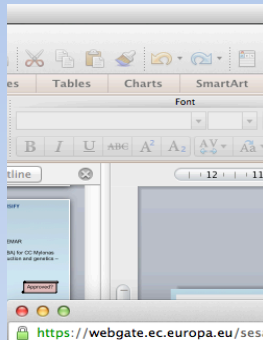


Available at www.diversifyfish.com,
INTRA, Forms and Protocols

No	Date	Discipline	WorkPackage	Title	Type	Language	Link	File name
1	6-Noe-13	All	All	Ctaquac will help diversify EU aquaculture	web	english	fis.com	20131106 fis.com
2	28-Noe-13	All	All	La diversificacjon piscicola espanola a traves de la corvina, el lenguado y la seriola	web	spanish	http://www.mispecies.com/nav/actualidad/noticias/noticia-detalle/La-diversificacin-piscicola-espaola-a-travs-de-la-corvina-el-lenguado-y-la-seriola/#.Up7ok9H-LWR	201312 "La diversificacjon piscicola espanola a traves de la corvina, el lenguado y la seriola"
3	15-Aex-13	All	All	Enhancing the European aquaculture production by removing production bottlenecks of emerging species, producing new products and accessing new markets	magazine	english	http://www.theparliament.com/	20131211 Parliament magazine DIVERSIFY

- Fill up an entry for every dissemination activity (press release, interview, article, magazine, poster presentation, speech, etc.)
- Submit to WP31 leader (Rocio Robles) to upload in website
- Can view possible dissemination types and our activities so far at SESAM

DISSEMINATION



You are logged as: **Constantinos MYLONAS [Alkinoos]** [Helpdesk](#)

Menu

- Home
- Close window
- Back

Type of activities

Main Leader

Title

Date

Place

*Type of audience

- Publication
- Organisation of Conference
- Organisation of Workshops
- Web sites/Applications
- Press releases
- Flyers
- Articles published in the popular press
- Videos
- Media briefings
- Presentations
- Oral presentation to a wider public
- Oral presentation to a scientific event
- Exhibitions
- Thesis
- Interviews
- Films
- TV clips
- Posters

Medias

Size of audience

Project Dissemination Activities

No	Type of activities	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed	Status	Actions	Order
1	Web sites/Applications	FUNDACION CENTRO TECNOLÓGICO ACUICULTURA DE ANDALUCIA	Ctaquac will help diversify EU aquaculture	06/11/2013	fis.com	Industry		Spain, EU	VALIDATED		
2	Web sites/Applications	FUNDACION CENTRO TECNOLÓGICO ACUICULTURA DE ANDALUCIA	La diversificación piscícola española a través de la corvina, el lenguado y la seriola	28/11/2013	www.mispecies.com	Industry		Spain	VALIDATED		
3	Articles published in the popular press	HELLENIC CENTRE FOR MARINE RESEARCH	Enhancing the European aquaculture production by removing production bottlenecks of emerging species, producing new products and accessing new markets	16/12/2013	The Parliament Magazine	Policy makers		EU	VALIDATED		



RESEARCH & INNOVATION

Participant Portal - Grant Management - Scientific Reporting

> Project Management > Publications

are logged as:
ROBLES
[...]
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- Project Home
- Reports
- Verifiable
- Publications
- Final Request
- Elimination Activities
- Reports
- Verifiable Foregrounds
- Open window

Publications Type

Project Information 603121 - Exploring the biological and socio-economic potential of new/emerging candidate fish species for the expansion of the aquaculture industry

Publication type Peer reviewed publication [Request a new peer reviewed journal](#)

- Peer reviewed publication
- Peer reviewed publication
- Paper in Proceedings of a Conference/Workshop
- Article/Section in an edited book or book series
- Thesis/Dissertation
- University Publication/Scientific Monograph

Publications Form

D.O.I. [Open D.O.I. website](#)

Fields will be overwritten with DOI information after leave DOI field.

Title *

Author(s) *

Journal *

Publisher (will be auto-inserted after selection)

Publisher location

ISSN





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-Grazie
-Tak-
Danke-
-תודה לך-
-Köszönöm
-Takk

r.robles@ctagua.e