



Deliverable Report

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|-----------------------------|--|-------------------------------|------------------------|---------------|
| Deliverable No: | D1.11 | Delivery Month: | 51 | |
| Deliverable Title | Periodic Report, including financial and administrative reports for Mo 31-48 | | | |
| WP No: | 1 | WP Lead beneficiary: | P1. HCMR | |
| WP Title: | Project Management | | | |
| Task No: | 1.4 | Task Lead beneficiary: | P1. HCMR | |
| Task Title: | Communication with the European Commission (EC) and project Periodic Reporting | | | |
| Other beneficiaries: | P2. FCPCT | P3. IRTA | P4. IOLR | P5. UNIABDN |
| P6. DLO | P7. IMR | P8. IEO | P9. UL | P10. TU/e |
| P11. AU | P12. APROMAR | P13. UNIBA | P14. IFREMER | P15. ULL |
| P16. FUNDP | P17. NIFES | P18. CTAQUA | P19. CMRM | P20. SARC |
| P21. DTU | P22. SWH | P23. ARGO | P24. ITTICAL | P25. DOR |
| P26. GEI | P27. FORKYS | P28. CANEXMAR | P29. ASIALOR | P30. CULMAREX |
| P31. IRIDA | P32. MC2 | P33. FGM | P34. BVFi | P35. MASZ |
| P36. ANFACO | P37. EUFIC | P38. HRH | P39.F2B | P40.GMF |
| Status: | Delivered/delayed | | Expected month: | 49 |

Lead Scientist preparing the Deliverable: Mylonas, C.C. (HCMR),

Other Scientists participating: Duncan, N. (IRTA), Montero, D. (FCPCT), Koven, W. (IOLR), Papandroulakis, N. (HCMR), Secombes, C. (UNIABDN), Tacken, G. (DLO), Robles, R. (CTAQUA)

Objective: The objective of this Deliverable is to update the projects' Scientific and Financial Officers of the work implemented and the use of resources during the reporting period (Mo 31-48, June 2016 – November 2017).

Description: The 3rd Periodic Report and Financial Report have been submitted through the Participants Portal on **14 February 2018**, some days after the 60-day period allowed.

The preparation of the 3rd Periodic Report begun in November 2017 (Mo 48) when all Work Package (WP) Lead Beneficiaries (*i.e.*, the WP leaders) were provided with the Report template for their WPs and were asked to coordinate and compile the preparation of the results obtained during this period.

As before, to speed up the process of preparing the report, while at the same time ensuring that a uniform and high quality document is presented (both in terms of format and content), the work has been delegated to all Consortium members as follows:

| | |
|---|--|
| Project No: 603121 | |
| Project Acronym: DIVERSIFY | |
| Project Full Name: Exploring the biological and socio-economic potential of new/emerging candidate fish species for the expansion of the European aquaculture industry | |
| Periodic Report | |
| Period covered: from 01/06/2016 to 30/11/2017 | Date of preparation: 19/01/2018 |
| Start date of project: 01/12/2013 | Date of submission (SESAM): 14/02/2018 |
| Project coordinator name: Dr. Constantinos Mylonas | Project coordinator organisation name: HELLENIC CENTRE FOR MARINE RESEARCH |
| Version: 1 | |



- a. The Lead Beneficiaries for each Work Package (WP leaders) have requested the text/figures/tables for each Task from the Task leaders, who were responsible to coordinate their writing with all scientists participating in their task. This process was supposed to be completed by **30 November 2017**,
- b. The WP leaders then compiled all the information into a single document for each Work Package, reviewed it for content/format/editorial errors and submitted it to the GWP leader for each scientific discipline (**10 December 2017**),
- c. The GWP leaders would then compile all the Work Packages into a single document for each GWP, review it for content/format/editorial errors and submit it to the PC (**20 December 2017**),
- d. The PC then compiled all the GWPs into a single document to prepare the 3rd Periodic Report and reviewed it for content/format/editorial errors (**20 January 2018**),
- e. The GWP leaders were also asked to prepare the following information (**20 December 2017**):
 - i. 3.1 Publishable Summary (0.5 page per GWP),
 - ii. 3.2.1 Project objectives for the period (0.5 page per GWP),
 - iii. 3.2.2 Project progress and achievements for the period (1 page per GWP).

This information was again submitted to the PC for incorporation in the Periodic Report. The PC prepared the remaining sections required (e.g., 3.2.3 Project management for the Period, Deliverables and Milestones, etc.) and completed the 3rd Periodic Report by 20 January 2018, and was ready to be uploaded in the Participants Portal (**Fig. 1**).

However, the 3rd Periodic Report was submitted on 14 February 2018. The delay in the submission was caused by (a) a delay of a number of partners to submit their financial statements (see later for a more detailed explanation), (b) some disagreements between the PC and some partners regarding their financial reports, and (c) the loss of the password for accessing the ECAS system by two partners.

PROJECT PERIODIC REPORT


Grant Agreement number: 603121
Project acronym: DIVERSIFY
Project title: Exploring the biological and socio-economic potential of new/emerging fish species for the expansion of the European aquaculture industry
Funding Scheme: FP7-KBBE-2013-7-single-stage
Date of latest version of Annex I against which the assessment will be made: 30 November 2016 (Amendment 3)

Periodic report: 1st 2nd 3rd **X** 4th
Period covered: from 31 to 48 mo

Name, title and organisation of the scientific representative of the project's coordinator¹:
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New species for EU aquaculture

¹ Usually the contact person of the coordinator as specified in Art. 8.1. of the Grant Agreement.
² The home page of the website should contain the generic European flag and the FP7 logo which are available in electronic format at the Europa website (logo of the European flag: http://ec.europa.eu/abc/emb/emb/index_en.htm logo of the 7th FP: http://ec.europa.eu/research/fp7/index_en.cfm?pg=logos). The area of activity of the project should also be mentioned.

Figure 1. The cover page of the 3rd Periodic Report of DIVERSIFY, submitted on 14 February 2018.

At the same time, Partners were also given instructions on the preparation of the use of resources, which would be used to prepare the Financial Reports (Form C). Partners were reminded that each Partner has requested a specific budget, and allocated the EU support to clearly defined and described types of expenses,



such as Personnel, Subcontracting, Travel, Consumables, Durable Equipment and Other types of expenses. The objective was to avoid unnecessary modifications that would require transfer of budget between types of expenses, or spending of the money in items not indicated in the DOW. Of course, it is recognized that there is always the possibility of unforeseen costs, but the Partners were encouraged to keep this to the absolute minimum. Unfortunately, this time there were some discrepancies between the approved budget and the claimed costs from P2. FCPCT and P14. IFREMER, as well as a high over cost without the implementation of the proposed work by P28. CANEXMAR (an SME), that caused some investigation by the PC, with the assistance of the Financial Officer Mrs. Annemie Van Vaerenbergh.

In the case of **P14. IFREMER**, there was an over cost due to the work requiring more staff effort than originally planned in the DOW. The partner, however, recognized that they have no claim for these additional costs, but they were obliged to declare their full and real costs.

In the case of **P2. FCPCT**, also a significantly higher total cost than what was budgeted in the DOW was claimed. Contrary to the previous partner, however, the increased cost comes entirely from a higher salary rate than what was estimated in the DOW (and the accompanied higher overheads), and not from any increased staff effort (person months, PM) or higher expenditure in other types of expenses. According to this partner, the reason for the significantly higher personnel cost claimed (~60% more!) is due to the fact that they are claiming their “real” cost, which of course is the appropriate thing to do. My doubt as the PC was “Why did they claim such lower salary rate during the preparation of the DOW?”. Were their salary costs 60% lower 5 years ago when the DOW was negotiated? Although they do admit that they do not expect that the EU will give them any more money than what was approved in the DOW, the reason I am skeptical about the above discrepancy between budgeted and claimed salary rates, is their explicit mentioning that they expect that if any money is not used by other partners, they deserve to get it, based on this “higher” cost. It is not clear by the response of the partner, if the lower salary rates used for their DOW budget were erroneous or an oversight (which I would understand), as they never said anything like this, and I am concerned if this is done on purpose to result in a higher cost claimed at the end, targeting any “leftover” money of the consortium. If this is the case, I feel it is not appropriate and it is unfair to all the other partners who did their budget calculations properly, and tried to stick, as much as possible, to these budgets.

In the case of **P28. CANEXMAR**, we have a more disturbing situation that led to the initial disapproving of the financial statement of the partner, and the contact of the Financial Officer (FO). However, as the partner insisted in their cost claims, and to avoid delaying the submission of the report, I took the advice of the FO and proceeded with accepting their financial report. My problem with this partner was that based on the 1st, 2nd and 3rd Scientific Reports I obtained from the Work Package (WP) leaders of WP 9 and 21, the minutes of the Annual Coordination Meetings, and the data provided by this partner, I concluded that not all the work planned in the DOW has been carried out by this partner. However, this partner advocates that all the work has been carried out and they were claiming not only 100% of their DOW budget, but they claimed even higher costs (321,885 euro Total costs, versus 192,240 euro allocated in the DOW).

Below is a more detailed account of the situation with this partner, whose involvement in the project was to run subtask 9.2.2 (WP 9) and subtask 21.1.2 (WP 21), as reported with an accompanying letter to the FO..

Description of the subtask 9.2.2 from the DOW:

“Sub-task 9.2.2 (CANEXMAR): The grow-out diet developed ... will be tested at an SME level, in order to assay its efficiency to maximize growth potential and enhance fillet quality. Survival, growth feed utilization and fillet quality will be determined (CANEXMAR). This Sub-task will result in deliverable D9.3 Performance of grow-out diets developed in order to maximize growth potential.”

As of the time the 3rd Periodic Report was submitted, **Subtask 9.2.2** has not been initiated at all. As this task requires a full grow out period (12-24 months) to be implemented in order to collect the samples, and then some more time to analyze fillet quality, it seems highly unlikely that deliverable “D9.3. Performance of grow-out diets for greater amberjack developed in order to maximize growth potential” will be submitted at



the end of the project. In a reply to my inquiry, the partner said that the reason the task has not been implemented was because they never got any information from the scientific partners coordinating the task. Regardless of the reason why the work was not done, P28. CANEXMAR claimed full expenses (and then some) for their involvement in WP 9, even though not a single piece of data has been provided from this subtask, and not a single word has been reported after 4 years in the project. They were even claiming 7,000 euros for fish feed from the company BIOMAR, when their task in this project was the testing of a new specialized diet for greater amberjack. They also claimed for durable costs of sea cages (~10,000), when they had absolutely no durable costs budgeted in the project. The bottom line is that there was absolutely no data to show for this subtask, to justify paying any amount of money to this partner.

Description of the subtask or Action 21.1.2 from the DOW:

“Description of Action 21.1.2: (CANEXMAR) Effect of cage type on performance. A comparison of surface and submerged cages will be performed in trials with commercial cages (CANEXMAR) of 20 m diameter; 10 m depth, for 2 successive rearing periods of 12 months each. The final stocking density will be kept at 15 kg m³. Growth performance and health status will be estimated every second month (FCPCT). This Action will contribute to deliverable D21.2 Definition of optimum conditions for cage culture of greater amberjack.”

As of the time the 3rd Periodic Report was submitted, **Subtask 21.1.2** has been reported, but it is obvious that the work has not been implemented as described in the DOW. Specifically, the trial was supposed to last for 2 years and include a comparison between two types of cages (floating vs submersible cage), so it should have included 2 cages for 2 years. At the end, only a single floating cage was used and the study lasted for only 1 year. This was the result of several reasons, one being licensing problems that the company faced to deploy the submersible cage resulting in a delay to start the subtask. Another delay was caused due to heavy juvenile mortalities during transfer from the FCPCT hatchery to the cages. Lastly, another delay was caused by a breakage of the cages due to a storm and a loss of 80% of the juveniles from the cages. So, at the end a trial was done for only 1 year and in only 1 cage, so only 25% of the work has been carried out. The cost of the lost juveniles was not covered by this company, but by P2. FCPCT, since this was the agreement in the DOW. So, the company did not incur any monetary losses from the above delays. I accepted that probably they did spend some money in the setting up of the cages in preparation of the experiments, but I do not see why they are claiming (again) more than 100% of their budget in the DOW, for doing only 25% of the work described. It is not as if the work was implemented, but it failed to provide the expected (or any) results. The work was simply not done the way it was supposed to be done! As this study can not be repeated now with one year remaining, the deliverable “D21.2 Definition of optimum conditions for cage culture of greater amberjack” that is based partly on work from this task, will not include all the data expected based on the DOW. My opinion is that P28. CANEXMAR is only justifiable to claim at most ~40% of their allocated budget for this WP, for doing only 25% of the work proposed.

As pointed to the FO, these were my concerns. I tried to warn the above partners about the potential of making an error in their financial reporting that would not only jeopardize the trust we have from the EU and the good reputation our consortium has so far, but could possibly raise questions with the EU that would prompt further scrutiny for the specific partners. However, both insisted that they are confident with the way they are reporting their financial claims

As the PC of DIVERSIFY, I try very hard to keep a close monitoring of the implementation of the project, in order to fulfill our obligations from the DOW, and to ensure that the money we received are spent properly and that they result in high quality work. I am very proud of being the coordinator of DIVERSIFY and for leading a group of outstanding scientists from a great number of leading EU institutions, and do not want to have anything to mar the excellent scientific work that has been planned and implemented in this project.

In terms of the **Scientific Report**, it began with an outline of the Project’s objectives for the Reporting Period, in the WPs of each of the included Scientific Disciplines (**Fig. 2**). Then, a brief, yet detailed



description followed of the work implemented in every WP during the reporting period, together with a clear explanation of any necessary or unavoidable deviations from the DOW.

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Figure 2. The Table of Contents of the 2nd Period Report (Mo 13-30, December 2014-May 2016).

A section on “**Project management during the period**” then followed, which included information on the modification of the management bodies of the consortium, which resulted from the exit of the two industrial partners CULMAREX and ASIALOR, and the entry of two new ones (F2B and GMF).

During this period (October 2016), we had the **Mid-term Evaluation of Progress** by an external expert. The evaluation was very positive and the overall assessment of the external reviewer was that “Significant progress and achievement has been made by DIVERSIFY in key areas of Aquaculture ...” and “...the project has achieved most of its objectives and technical goals for the period with relatively minor deviations” (**Fig. 3**). As can be seen, no major problems with the implementation of the project were identified by the external referee necessitating any modification by the consortium, while some recommendations for the enhancement of the project were proposed (**Fig. 4**). The external review was forwarded to all Steering Committee (SC) members, who were asked to consider its conclusions and then based on their experience with the progress of the project and any difficulties phased, to propose any modifications that need to be implemented for the remaining period of the project.

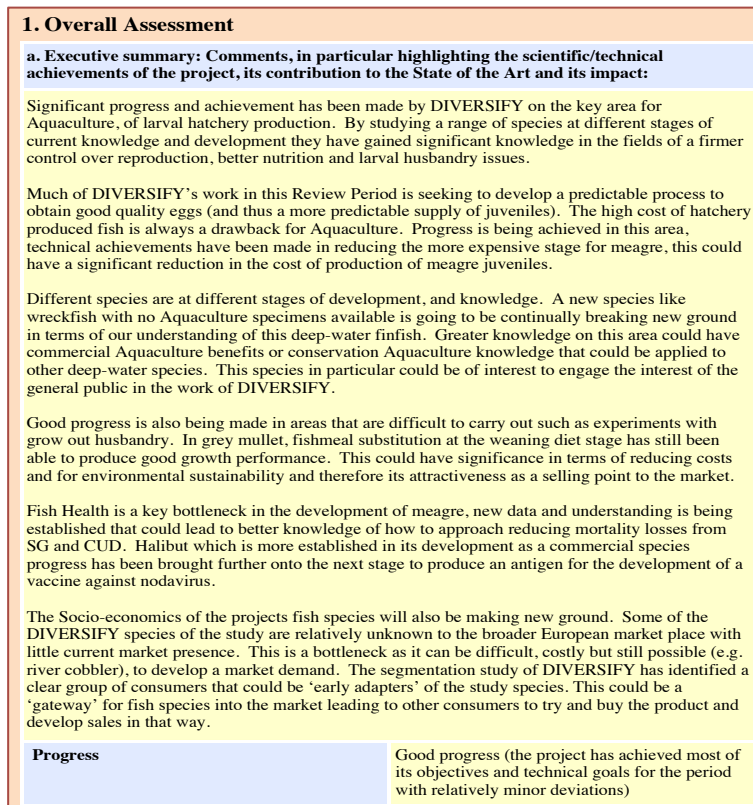


Figure 3. The evaluation of the external review regarding the progress achieved by the consortium.

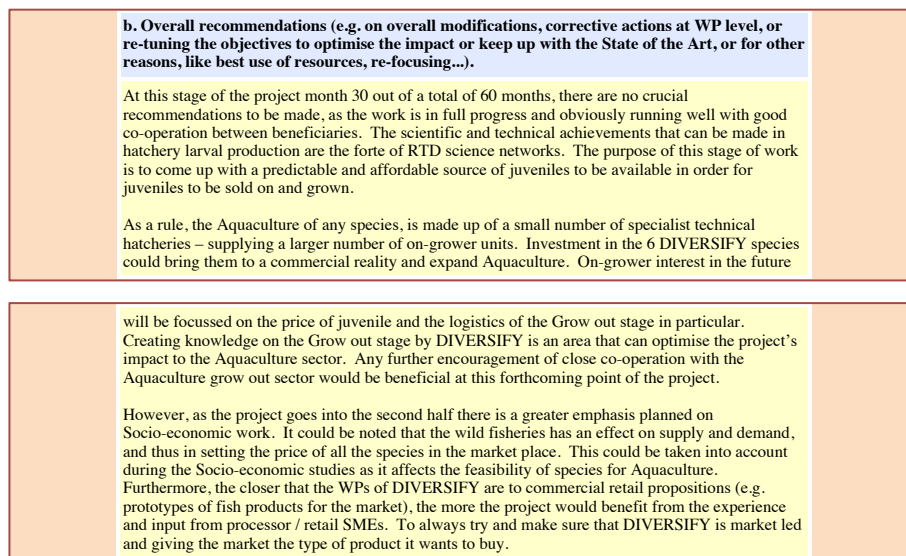


Figure 4. The recommendations of the external review regarding the remaining duration of the project.

The report also explained **Consortium Modification** resulting from the exit and entry of some industrial partners. Specifically:



P24. ITTICAL. On 11 January 2015 Dr Fulvio Cepollaro (P.I.) informed us of his leaving the company, and that a new person (Mr. Stefano Carbonara) is taking over his duties in DIVERSIFY. On 19 July 2016 (Mo 31) during the final compilation of the 2nd Period Report, the PC received an email message from Mr Andrea Novelli, the CEO of P24. ITTICAL (SME), notifying the consortium of the intention of this partner to exit the consortium. The reasons presented were problems with the implementation of the assigned tasks, due to inadequate environmental conditions at the land-based facilities of the company. This was already reported and approved in the 2nd Periodic Report. We have already been in contact with the then EU FO (Mrs Paula Wahlman Dakhiland) and Legal Officer (Mrs Maria-Valeria Iliadou) about this consortium modification, and have obtained all the necessary documents and have taken the required actions.

P29. ASIALOR. In May 2016 (Mo 31) we were informed that the company has filed for bankruptcy and they are going to exit the consortium. The company has fulfilled so far their obligations and has been a valuable partner. Efforts have already been initiated to find another SME that could take on their remaining tasks. The pikeperch Species Leader Dr. Pascal Fontaine (P9. UL) has made some contacts and we have identified a potential company that is able and willing to participate in the project. The company is called Fish 2 Be NV, and has contacted the PC with their interest to join. If we agree, we will transfer the remaining budget of P29. ASIALOR to this new partner. The negotiations will continue and as soon as we complete the 2nd Periodic Report will try to finalize them. We have already been in contact with the EU FO (Mrs Paula Wahlman Dakhiland) and LO (Mrs Maria-Valeria Iliadou) and have obtained all the necessary documents and have taken the required actions.

The following partners have entered the consortium

P39. F2B. The company Fish 2 Be NV, is taking over the remaining responsibilities of P29. ASIALOR, which exited the consortium at the end of the 2nd Period. It will take most of the remaining available budget from this partner.

P40. GMF. The company Galaxidi Marine Farms (GMF) is taking over the responsibilities of P24. ITTICAL related to WP 3 Reproduction & Genetics – greater amberjack, which exited the consortium at the end of the 2nd Period. The company will implement the spawning induction protocols developed by HCMR. It will take some of the remaining available budget from this partner. In addition, the company will take over the larval rearing activities from P27. FORKYS, who apparently it is not capable of completing its obligations. A budget transfer will be done to cover the costs of GMF.

The report also included a detailed explanation of the 3rd Amendment submitted in November 2016. In addition to the exit and entry of partners, there were some changes to the DOW as described below. The modifications were discussed with and were approved by the SO of the project (Dr. Marta Iglesias) prior to the application for the amendment. Another amendment will be requested in the Spring of 2017, to address some modifications in the implemented work (transfer from one partner to another; modification of the planned work, etc.), as well as some budgetary issues. As always, the modifications have already or will be discussed with and approved by the scientific office of the project (Dr. Marta Iglesias) prior to the application for the amendment.

As required, the 3rd Periodic Report included also a part that was completed through the Participants Portal (**Fig. 5**), which included the following:

- a summary description of the project context and the main objectives,
- a summary of the work performed since the beginning of the project and the main results achieved so far,
- a description of the expected final results and their potential impacts and use (including socio-economic impact and the wider societal implications of the project so far),
- lists of Deliverables and Milestones that were due until Mo 48 of the project.



EUROPEAN COMMISSION RESEARCH AND INNOVATION DG

Periodic Report

Project No: 603121
Project Acronym: DIVERSIFY
Project Full Name: Exploring the biological and socio-economic potential of new/emerging candidate fish species for the expansion of the European aquaculture industry

Periodic Report

Period covered: from 01/06/2016 to 30/11/2017
Start date of project: 01/12/2013
Project coordinator name: Dr. Constantinos Mylonas
Version: 1

Date of preparation: 19/01/2018
Date of submission (SESAM): 14/02/2018
Project coordinator organisation name: HELLENIC CENTRE FOR MARINE RESEARCH

tleneck in aquaculture consumption is that in many countries and/or segments of the EU market, aquaculture fish have a weaker image than wild fish. This threat to the expansion of the aquaculture sector must be recognized and addressed in parallel to any technological improvement of production methods or the addition of new fish species or products by the aquaculture industry.

The combination of biological, technological and socioeconomic research activities planned in DI DIVERSIFY are expected to support the diversification of the aquaculture industry and help in expanding production, increasing aquaculture products and development of new markets.

Description of work performed and main results

In the area of Reproduction & Genetics, spawning was obtained from all species for which the aim was to improve reproductive control. A protocol for paired spawning with male rotation and in vitro fertilization methods has been developed in meagre, in order to enable the implementation of breeding programs. The study of wild and captive-reared greater amberjack showed that under some rearing conditions severe impairment of gametogenesis occurred in captivity in the Mediterranean stock. Differences have been observed between the Mediterranean and the Atlantic stocks, with the later being easier to adapt to captivity and spawning spontaneously under aquaculture conditions and maintain tenacity in tanks. On the other hand, the Mediterranean stocks do not mature reliably when maintained in tanks, while careful management in sea cages was successful in maturing fish to the stage that hormonal induction could induce spawning in tanks. Treatment of Atlantic halibut F1 breeders with GnRHα implants induced and synchronized ovolutions without any effect on egg quality or quantity, and provides an approach to ensure predictable ovolutions. In wreckfish, we obtained spontaneous natural spawning in tanks, GnRHα induced spawning in tanks and stripped gametes for in vitro fertilization, however egg production and quality is still not appropriate, hindering the experiments planned in the larval rearing stage. Maturation in captivity and reliable spawning induction methods have been developed for grey mullet, providing tens of millions of quality eggs both within and outside of the spawning season.

In the area of Nutrition - Live prey and weaning diets, the ratio of Ca:P, fatty acids and their interaction seem to be key nutritional factors influencing pikeperch larval development. For Atlantic halibut larvae, it has been determined that RAS had a large positive effect on vitamin K concentration, possibly because it was produced by microorganisms in the system. Regarding Broodstock diets, a diet containing 1.6% of total fatty acids has been shown to induce higher egg fecundity in greater amberjack broodstocks. In wreckfish, a clear relationship was determined between fatty acid profile of the broodstock diet and that of eggs. Broodstock diets should contain a large amount of proteins, low level of lipids and a high amount of n-3 PUFA. For grey mullet, hatching of eggs from broodstocks fed a fish oil (FO) based diet was significantly higher than eggs from broodstocks fed a vegetable oil (VO) based diet. Larvae from the FO broodstocks showed 100% swim bladder inflation by 5 dph, while no swim bladder inflation was found in fish from the VO broodstock. Regarding Grow-out diets, meagre showed the ability to selectively conserve key FA, particularly DHA and ARA over other FA, in response to EFA-deficiency.

In the area of Larval husbandry, very significant achievements have been made so far in the project. In greater amberjack, studies showed that rotifers enriched with marine lecithin supplemented with 20% Echium oil gave the best results, while gene expression of GHRH, GH, IGF-I and II and IGF-BPs were not affected by the rearing methodology. The optimum egg stocking density was between 25 and 50 eggs l⁻¹, while digestive tract enzyme activity was independent of the larval geographical origin and environmental rearing conditions. Also, there were no marked differences in larval growth as a function of tank color. Commercial rearing of greater amberjack larval was done for the first time in Greece, as a result of research from this project, and 48,300 juveniles of 25-50 g were trans

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 Period number: 3rd
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3. Deliverables and milestones tables

| Deliverables (excluding the periodic and final reports) | | | | | | | | | | |
|---|--|---------|--------|-------------------------------------|--------|---------------------|---|---------------------------------|-----------|----------|
| Del. no. | Deliverable name | Version | WP no. | Lead beneficiary | Nature | Dissemination level | Delivery date from Annex 1 (proj month) | Actual / Forecast delivery date | Status | Comments |
| 1 | Kick-off meeting | 1.0 | 1 | HELLENIC CENTRE FOR MARINE RESEARCH | Other | RE | 2 | 10/02/2014 | Submitted | |
| 2 | Consortium Agreement | 2.0 | 1 | HELLENIC CENTRE FOR MARINE RESEARCH | Other | CO | 3 | 13/03/2015 | Submitted | |
| 3 | Annual Coordination Meeting for Y2 | 1.0 | 1 | HELLENIC CENTRE FOR MARINE RESEARCH | Other | RE | 13 | 28/11/2014 | Submitted | |
| 4 | Periodic Report, including financial and administrative reports for Mo 1-12 | 1.0 | 1 | HELLENIC CENTRE FOR MARINE RESEARCH | Report | CO | 14 | 23/01/2015 | Submitted | |
| 5 | Interactions with other projects | 1.0 | 1 | HELLENIC CENTRE FOR MARINE RESEARCH | Report | RE | 18 | 29/05/2015 | Submitted | |
| 6 | Annual Coordination Meeting for Y3 | 1.0 | 1 | HELLENIC CENTRE FOR MARINE RESEARCH | Other | RE | 25 | 07/03/2016 | Submitted | |
| 7 | Mid-term evaluation of progress | 1.0 | 1 | HELLENIC CENTRE FOR MARINE RESEARCH | Report | PU | 30 | 22/11/2016 | Submitted | |
| 8 | Periodic Report, including financial and administrative reports for Mo 13-30 | 1.0 | 1 | HELLENIC CENTRE FOR MARINE RESEARCH | Report | CO | 32 | 01/08/2016 | Submitted | |
| 9 | Annual Coordination | 1.0 | 1 | HELLENIC CENTRE FOR MARINE RESEARCH | Report | RE | 37 | 10/03/2017 | Submitted | |

Figure 5. The section of the 3rd Period Report completed through the Participants Portal.



The Financial Reports begun to be submitted to the PC by mid December 2017, and they were evaluated by the Project Manager of P1. HCMR (Mr Yanis Fakriadis). As for the previous reports, unfortunately a lot of modifications and back-and-forth was necessary by the Project Manager with the forms of some partners. This was necessary in order to streamline the forms of each partner to ensure (a) uniformity among partners and (b) correctness and agreement with the EC's rules for financial reporting. In addition, as some partners submitted also adjustments to the previous reporting periods, the process of preparing the Financial Reports took quite some time. As also mentioned in the beginning, the PC had some disputes with two partners, which also caused delays. After any necessary modifications and a few rounds of exchanges with each Partner, the Form Cs were concluded and submitted officially to the PC (Fig. 6).

| FP7 - Grant Agreement - Annex VI - Collaborative project | | | | | | | | | | | | | | | | | | | | | |
|---|-------------------------------------|---------------------|-------------------------|--------------|---------------------|-------------------|---------------------|-----------------------|---------------------|------------|---------------------|--------------|---------------------|------------|---------------------|-----------------------|----------|----------|--|----------|--|
| Summary Financial Report - Collaborative project | | | | | | | | | | | | | | | | | | | | | |
| Project acronym | | DIVERSIFY | | Project nr. | | 603121 | | Reporting period from | | 01/06/2016 | | to | | 30/11/2017 | | Page | | 1/2 | | | |
| Funding scheme | | | | CP | | Type of activity | | | | | | | | | | Total (A)+(B)+(C)+(D) | | Receipts | | Interest | |
| Beneficiary nr. | If 3rd Party, linked to beneficiary | Adjustment (Yes/No) | Organization Short Name | RTD (A) | | Demonstration (B) | | Management (C) | | Other (D) | | Total | | Total | | Receipts | Interest | | | | |
| | | | | Total | Max EU Contribution | Total | Max EU Contribution | Total | Max EU Contribution | Total | Max EU Contribution | Total | Max EU Contribution | Total | Max EU Contribution | | | | | | |
| 1 | No | No | HCMR | 523,603.37 | 392,702.53 | 0.00 | 0.00 | 64,589.39 | 64,589.39 | 22,655.68 | 22,655.68 | 610,848.44 | 479,947.60 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 2 | No | No | FCPCT | 420,120.75 | 315,090.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 420,120.75 | 315,090.56 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 3 | No | No | IRTA | 246,327.70 | 184,745.78 | 0.00 | 0.00 | 9,201.48 | 9,201.48 | 3,455.04 | 3,455.04 | 258,984.22 | 197,402.30 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 3 | Yes | Yes | IRTA | 0.00 | 0.00 | 0.00 | 0.00 | -431.35 | -431.35 | 431.35 | 431.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 4 | No | No | HOLR | 173,193.60 | 129,895.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 173,193.60 | 129,895.20 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 5 | No | No | UNIABDN | 115,616.59 | 86,712.44 | 0.00 | 0.00 | 7,767.63 | 7,767.63 | 0.00 | 0.00 | 123,384.22 | 94,480.07 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 6 | Yes | Yes | DLO | 2,050.17 | 1,537.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2,050.17 | 1,537.63 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 6 | Yes | Yes | DLO | -6,354.17 | -4,765.63 | 0.00 | 0.00 | -54.85 | -54.85 | 0.00 | 0.00 | -6,409.02 | -4,820.48 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 6 | No | No | DLO | 86,692.29 | 65,019.22 | 0.00 | 0.00 | 8,204.25 | 8,204.25 | 0.00 | 0.00 | 94,896.54 | 73,223.47 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 7 | Yes | Yes | IMR | 11,973.24 | 8,979.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11,973.24 | 8,979.93 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 7 | Yes | Yes | IMR | -179.00 | -134.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -179.00 | -134.25 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 7 | No | No | IMR | 284,317.34 | 213,238.01 | 0.00 | 0.00 | 3,585.50 | 3,585.50 | 0.00 | 0.00 | 287,902.84 | 216,823.51 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 8 | No | No | IEO | 134,481.25 | 100,860.94 | 0.00 | 0.00 | 1,218.93 | 1,218.93 | 0.00 | 0.00 | 135,700.18 | 102,079.87 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 8 | Yes | Yes | IEO | -39,118.29 | -29,338.72 | 0.00 | 0.00 | -563.38 | -563.38 | -11,572.72 | -11,572.72 | -51,254.39 | -41,474.82 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 9 | No | No | UL | 72,280.54 | 54,210.41 | 0.00 | 0.00 | 7,262.75 | 7,262.75 | 3,547.79 | 3,547.79 | 83,091.08 | 65,020.95 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 10 | No | No | TU/e | 111,589.87 | 83,692.40 | 0.00 | 0.00 | 7,347.55 | 7,347.55 | 0.00 | 0.00 | 118,937.42 | 91,039.95 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 10 | Yes | Yes | TU/e | 188.82 | 141.62 | 0.00 | 0.00 | 22.60 | 22.60 | 0.00 | 0.00 | 211.42 | 164.22 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 11 | No | No | AU | 163,955.87 | 122,966.90 | 0.00 | 0.00 | 1,038.48 | 1,038.48 | 0.00 | 0.00 | 164,994.35 | 124,005.38 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 12 | No | No | APROMAR | 17,952.49 | 8,976.25 | 0.00 | 0.00 | 1,211.70 | 1,211.70 | 10,821.43 | 10,821.43 | 29,985.62 | 21,009.38 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 13 | No | No | UNIRA | 63,169.84 | 47,377.38 | 0.00 | 0.00 | 1,142.53 | 1,142.53 | 12,051.33 | 12,051.33 | 76,363.70 | 60,571.24 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 14 | No | No | IFREMER | 34,743.60 | 26,057.70 | 0.00 | 0.00 | 9,484.11 | 9,484.11 | 0.00 | 0.00 | 44,227.71 | 35,541.81 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 14 | Yes | Yes | IFREMER | -498.53 | -373.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -498.53 | -373.90 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 15 | No | No | ULL | 120,234.48 | 90,175.88 | 0.00 | 0.00 | 1,955.68 | 1,955.68 | 0.00 | 0.00 | 122,190.16 | 92,131.54 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 16 | No | No | FUNDP | 87,949.71 | 65,962.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 87,949.71 | 65,962.28 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 17 | No | No | NIFES | 37,149.87 | 27,862.40 | 0.00 | 0.00 | 6,459.69 | 6,459.69 | 0.00 | 0.00 | 43,609.56 | 34,322.09 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 18 | No | No | CTAQUA | 50,036.64 | 37,527.48 | 0.00 | 0.00 | 1,840.94 | 1,840.94 | 36,761.65 | 36,761.65 | 88,639.23 | 76,130.07 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 19 | No | No | CMRM | 52,320.59 | 39,240.44 | 0.00 | 0.00 | 1,878.94 | 1,878.94 | 0.00 | 0.00 | 54,199.53 | 41,119.38 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 20 | No | No | SARC | 45,015.62 | 22,507.81 | 0.00 | 0.00 | 2,242.40 | 2,242.40 | 0.00 | 0.00 | 47,258.02 | 24,750.21 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 21 | No | No | DTU | 129,141.00 | 96,855.75 | 0.00 | 0.00 | 8,542.00 | 8,542.00 | 0.00 | 0.00 | 137,683.00 | 105,397.75 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 22 | No | No | SWH | 48,765.00 | 24,382.50 | 0.00 | 0.00 | 2,514.00 | 2,514.00 | 0.00 | 0.00 | 51,279.00 | 26,896.50 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 23 | No | No | ARGO | 140,125.39 | 105,094.04 | 0.00 | 0.00 | 2,288.00 | 2,288.00 | 0.00 | 0.00 | 142,413.39 | 107,382.04 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 25 | No | No | DOR | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 26 | No | No | GEI | 15,900.00 | 11,925.00 | 0.00 | 0.00 | 1,760.00 | 1,760.00 | 0.00 | 0.00 | 17,660.00 | 13,685.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 27 | No | No | FORKYS | 54,001.07 | 40,500.80 | 0.00 | 0.00 | 550.88 | 550.88 | 0.00 | 0.00 | 54,551.95 | 41,051.68 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 28 | No | No | CANEXMAR | 279,857.98 | 209,893.49 | 0.00 | 0.00 | 16,281.60 | 16,281.60 | 0.00 | 0.00 | 296,139.58 | 226,175.09 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 31 | No | No | IRIDA | 27,708.34 | 20,781.26 | 0.00 | 0.00 | 2,354.40 | 2,354.40 | 0.00 | 0.00 | 30,062.74 | 23,135.66 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 32 | No | No | MCI | 9,779.73 | 7,334.60 | 0.00 | 0.00 | 907.79 | 907.79 | 0.00 | 0.00 | 10,687.52 | 8,242.39 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 33 | No | No | FCM | 0.00 | 0.00 | 0.00 | 0.00 | 772.50 | 772.50 | 2,676.00 | 2,676.00 | 3,448.50 | 3,448.50 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 34 | No | No | BVE | 0.00 | 0.00 | 0.00 | 0.00 | 111.46 | 111.46 | 6,446.30 | 6,446.30 | 6,557.76 | 6,557.76 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 35 | No | No | MASZ | 0.00 | 0.00 | 0.00 | 0.00 | 1,481.15 | 1,481.15 | 3,853.30 | 3,853.30 | 5,334.45 | 5,334.45 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| TOTAL | | | | 3,731,106.57 | 2,770,396.68 | 0.00 | 0.00 | 176,849.90 | 176,849.90 | 95,394.34 | 95,394.34 | 4,003,350.81 | 3,042,640.92 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| Requested EU contribution for the reporting period (in €) | | | | | | | | | | | | 3,007,096.11 | | | | | | | | | |

| FP7 - Grant Agreement - Annex VI - Collaborative project | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------------------------|---------------------|-------------------------|--------------|---------------------|-------------------|---------------------|-----------------------|---------------------|------------|---------------------|--------------|---------------------|------------|------|-----------------------|----------|----------|--|----------|--|
| Summary Financial Report - Collaborative project | | | | | | | | | | | | | | | | | | | | | |
| Project acronym | | DIVERSIFY | | Project nr. | | 603121 | | Reporting period from | | 01/06/2016 | | to | | 30/11/2017 | | Page | | 2/2 | | | |
| Funding scheme | | | | CP | | Type of activity | | | | | | | | | | Total (A)+(B)+(C)+(D) | | Receipts | | Interest | |
| Beneficiary nr. | If 3rd Party, linked to beneficiary | Adjustment (Yes/No) | Organization Short Name | RTD (A) | | Demonstration (B) | | Management (C) | | Other (D) | | Total | | Total | | Receipts | Interest | | | | |
| | | | | Total | Max EU Contribution | Total | Max EU Contribution | Total | Max EU Contribution | Total | Max EU Contribution | Total | Max EU Contribution | | | | | | | | |
| 36 | No | No | ANF | 0.00 | 0.00 | 0.00 | 0.00 | 1,732.45 | 1,732.45 | 3,423.61 | 3,423.61 | 5,156.06 | 5,156.06 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 37 | No | No | EUFC | 0.00 | 0.00 | 0.00 | 0.00 | 296.64 | 296.64 | 843.58 | 843.58 | 1,140.22 | 1,140.22 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 38 | No | No | HRH | 96,690.61 | 72,517.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 96,690.61 | 72,517.96 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 39 | No | No | FBZ | 53,388.82 | 40,041.62 | 0.00 | 0.00 | 576.00 | 576.00 | 0.00 | 0.00 | 53,964.82 | 40,617.62 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 40 | No | No | GMP | 66,834.38 | 50,200.79 | 0.00 | 0.00 | 1,276.06 | 1,276.06 | 0.00 | 0.00 | 68,210.44 | 51,476.85 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| TOTAL | | | | 3,731,106.57 | 2,770,396.68 | 0.00 | 0.00 | 176,849.90 | 176,849.90 | 95,394.34 | 95,394.34 | 4,003,350.81 | 3,042,640.92 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |

Figure 6. Summary Financial Report, submitted on 14 February 2018.

Deviations: There were no deviations from the DOW.



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

