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**NEWSLETTER: app HEALTHY FISH**

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# INNOVATIVE TOOL TO QUALIFY THE STAFF OF AQUACULTURE FARMS IN HEALTH AND WELFARE OF FISH IN THE AQUACULTURE FARM (app FOR MOBILE AND TABLET) (app\_HEALTHY\_FISH)

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## GENERAL INFORMATION:

The project "**app\_HEALTHY\_FISH**" is being developed by the consortium formed by the SPANISH MARINE FISH FARMING ASSOCIATION (**APROMAR**) and participated by other four partners: **SGS TECNOS (Spain)**, the Italian Aquaculture Association **API (Associazione Piscicoltori Italiani)**, the **Turkish University Dokuz Eylul University** and the **CROATIAN CHAMBER OF ECONOMY (CCE)**. It's funded by the action "**Strategic Partnerships**" of the **Erasmus+ Programme** of the European Commission, specifically the **KA2: "Cooperation for innovation and the exchange of good practices"**. Its objective is to develop a "**Training Program standardized at European level for the aquaculture sector**", which includes the training modules for the qualification of the professionals and also includes the training content required to educate the staff in **HEALTH and WELFARE skills and on the PHYSICAL-CHEMICAL CONTROL of fish**.

More information of the project can be found in the previous newsletters in the project website: <http://www.apomar.es/healthyfish>

## THE 4<sup>TH</sup> TRANSNATIONAL MEETING WAS HELD IN ZAGREB, CROATIA

The las 6<sup>th</sup> and 7<sup>th</sup> of June, the members of the consortium met in Zagreb, Croatia, at the premises of the Croatian Chamber of commerce, in the 4<sup>th</sup> transnational meeting. The first day served to present all the work done so far and prepare the next steps. A lot of information was exchanged and all of these novelties are presented in this newsletter.

During the second day, partners did a field visit to the fish farms of Ribnjaci, where they could learn their aquaculture techniques.



## **THE ROUTING SHEET FOR THE DEVELOPMENT OF TRAINING TOOL AT THE EUROPEAN LEVEL IS FINISHED!**

This document was presented to all partners. This report is the work basis to develop the Training program . This is one of the Intellectual Outputs of the project, and consists of a complete report of the state of training in aquaculture in participant countries, including a A resume of the contents and a comparative of contents between countries. This document will be available soon at the project website and contains three main points:

- Analysis of the knowledge needed to manage adequately the health and welfare of the fish in aquaculture farms
- Study to improve of the current training contents with the new contents
- Routing sheet for the development of training tool at the European level: "Healthy\_fish"

## **THE "STANDARIZED TRAINING PROGRAM (HEALTHY\_FISH)" IS FINISHED!**

The second intellectual Output foreseen in the project was the creation of the new standardized program. The consortium has created a complete training program composed of 11 training modules. The distribution of the training modules was decided between all partners and they decided to include some new contents (biosecurity, health and welfare aspects).

This program is now finished in english and partners have started to make the translation to all languages. The program is distributed as follows:

<b>#</b>	<b>TRAINING MODULE TITLE</b>	<b>RESPONSABLE PARTNER</b>
1	Technologies and production management of auxiliary cultures	CCE
2	Analytical technologies and methods of sanitary control in fish farming	CCE
3	Technologies and production management of mollusks	API &APROMAR
4	Technologies and production management of crustaceans.	APROMAR
5	Facilities, innovation and systems of automation in fish farming	API
6	Environmental Management of the aquaculture processes	DOKUZ
7	Ornamental aquaculture	API &APROMAR
8	Project of implantation of a center of aquaculture production	API
9	Risks management: Chemical and biological hazards	APROMAR
10	Aquaculture Products. Processing trade and Public Health	API
11	Best Practices in aquaculture farms	API &APROMAR

This training program will be available in Spanish, Italian, Turkish, Croatian and English. A PDF version will be available to download in the platform and the APP

### **APPLICATION FOR MOBILE AND TABLET: app\_HEALTHY\_FISH IS IN DEVELOPMENT**

Now that the modules are finished, the consortium has started to develop the application for mobile and tablet. It will be accessible from the project website

Partners have decided to develop it in a Moodle platform. The Spanish National Agency suggested before the beginning of the project to use these kind of platforms, since they are open source, have a much lower cost and give the possibility to all the partners to participate in the edition of the program

Users will be able to access to the platform via web or via App. To do so they have to download the Moodle app in the Apple Store or Google Play

The course will include a final certificate, which will be issued when the student pass the exams. It will be issued in the language they took the course and be signed by someone by the partner institution of the country's language. Certificates in English will be signed by APROMAR as a leading partner

The training program will include a final exam questionnaire with the following features:

- ✓ 10 random questions for every one of the 11 modules.
- ✓ Multiple choice questions (4 options) and only one right answer.
- ✓ Text based questions –no images-
- ✓ A 70% success rate will be needed to pass it.
- ✓ Students will have to pass a final exam after completing all modules' tests.

### **NEXT STEP: Assuring quality: Pilot Testing of the prototype**

In order to assure the best quality of the program, before releasing the final version, each partner will have to organize a presentation/training session with at least 10 attendees belonging to the project target group during the month of July. After the session each partner will have to develop an evaluation report gathering the main conclusions of the process.

These trainings will be done with 3 modules, which will be the first ones to be fully translated to all languages and completed with the evaluation tests. As the Moodle platform allows users to evaluate the quality of the training program, evaluations will be done directly in Moodle. Some of the partners are considering doing it online

After compiling the feedback of users, the consortium will analyze the reports and will apply corrective measures.

## AND THE LAST STAGES OF THE PROJECT:

Partners will upload the remaining questionnaires with their translations during July and August. Meanwhile, they will do the pilot tests and will send the evaluation reports.

After the final version of the program is released, partners will start to organize the **National presentation events** during the months of September-October.

Partners will complement the dissemination through their database of more than 40 stakeholders and more than 100 end users; and also through the coming newsletters.

And finally, a final European conference of dissemination will be organized to present the project at European level. It will take place together with the 5<sup>th</sup> and last transnational project in **VALENCIA the 23<sup>rd</sup> and 24<sup>th</sup> of October**

## MORE INFORMATION:

APROMAR will send several newsletters to describe the project's progress and its advances. However, if you wish, you can contact via phone with APROMAR in the phone number: **+34 956.40.42.16** and/or in the mail: [adm@apromar.es](mailto:adm@apromar.es)

You can also consult the website of the project: <http://www.apromar.es/healthyfish>

