

AdriAquaNet

Enhancing Innovation and Sustainability in Adriatic Aquaculture

WP 3.3 Trainings for staff in SMES and R&D centres

WP3 – Training nr. 9, report, 02062022



Introduction

The **ninth training course** entitled “**AdriAquaNet contributions to the SUSTAINABLE FARMING AND QUALITY OF EUROPEAN SEA BASS AND GILTHEAD SEA BREAM**” was held in presence on June 2, 2022 in Zadar at the **Croatian Chamber of Commerce in Zadar, Špire Brusine 16** and at **CROMARIS d.d., Gaženička cesta 4b, 23 000 Zadar**.

The training was organized by the Croatian partners PP1, PP3, PP5 and PP7 in collaboration with all partners and held in Croatian and English as it was mostly aimed at Croatian producers, operators, veterinarians, technicians of the aquaculture sector. 37 participants were present. All three training cycles (WP3, WP4 and WP5) were gathered in one-day training course in order to facilitate the organization and the knowledge transfer to the attendees that were interested in different topics.

1

Topics

The training was divided in two parts:

- 1) **the first part** that was held in the Croatian Chamber of Commerce from 11.00 till 13.00 covered **8 lessons with presentations related to different topics as follows: 1 to WP3 activities and results, 3 to WP4 and 4 to WP5 activities and results**. The moderator of the workshop was S. Zrnčić, PP1 project coordinator. After the registration of the participants and the distribution of the training materials, M. Galeotti project coordinator of LP and project manager presented the project to the attendees.

WP 3

Tanja Šegvić, PP3 researcher held a lesson on “**Sustainable feeds for the Mediterranean cage farmed fish species**” and presented the sustainable development and the EU regulations from 2021 till 2030 in aquaculture and the production of sea bream and sea bass in Mediterranean, new Feed Formulations in Mariculture and their Influence on the Quality of Farmed Fish and tests and results of new feeds on fish farm at PP8 and PP9 farms: **Igor Cvitić, PP8 technical operator**, who had followed the test on farm, joined the discussion and gave the presentation of the contribution of **Friskina** farm and the work done on field.



2



WP 4

Jerko Hrabar PP3 researcher, presented a lesson on **“Probiotics in feed for Gilthead seabream”** and discussed with the attendees on the importance of probiotics in fish feed in mariculture, about the tests performed during the AAN project on 3 different feeds: new feeds and comparison with the commercial feed. **Dražen Oraić, PP1** researcher presented the **“Vaccination strategy in European sea bass farming”** and talked about the new autologous vaccines produced during the project, fish vaccinations and alternatives with application of marine natural products. **Amedeo Manfrin, PP4** project coordinator held a lesson on **the “Welfare in sea bream and sea bass farming”** and talked about the Welfare indicators (WIs) as observations or measurements that provide information about the extent to which the animal’s welfare needs are met and **Laboratory Based Welfare Indicators (LABWIs)** as WIs that require access to a laboratory or other analytical facilities to provide useful information. He also presented the Welfare Indicators that can be used in an on-farm welfare assessment are termed Operational Welfare Indicators, how are they classified and he discussed them with the farmers involved in AAN tests and present during the training. (New AAN check list of WI.).

3

WP 5

Jelka Pleadin, PP1 researcher held a lesson on **“Sea bass and sea bream quality: comparison of traditional and sustainable Feeding”** and how to improve the quality of farmed Sea bass and Sea bream with sustainable feedings of fish farms. Also she talked about how to determinate the farmed fish quality – comparison of quality parameters of farmed fish with the quality parameters of wild fish over the 4 seasons, before and after termination of experimental feeding. This lesson was integrated by **Nada Vahčić**, full professor of the Zagreb Faculty who presented **“Sensory characteristics of European Seabass and Gilthead seabream”**, while **Giuseppe Comi, LP** researcher held a lesson on **“Innovative packaging of fresh fish”** and presented the innovative products and packaging. **Greta Krešić** was absent due to sanitary reasons, and **Dina Lončarič PP5** researcher did the presentation focused on **“Marketing of sustainable aquaculture products”** and the promotion and marketing activities of the wild and farmed fish - how to promote and present farmed fish and farmed fish products on the market (marketing mix and new materials elaborated by the project – video, brochure, leaflets, events).

A social lunch was organized afterwards for all attendees and staff.



4

- 1) **The second part** included the **On Field Practical Activities and a Visit to Cromaris facilities in Gaženica** where all the attendees could see live how the production of Cromaris, one of the biggest Croatian fish producer, works and talked to the workers of the production plant in order to understand the work and the condition of the plant. For privacy and security no photos were allowed inside the production plant.



A social dinner h was organized afterwards for the attendees and staff.



The following deliverables were produced and put in SIU:

1. Program and Agenda in EN and IT
2. Attendance lists of participants in presence
3. Minutes of discussion with attendees
4. Presentation of lessons and training materials



Conclusions

9 training cycles were successfully completed by reaching all the objectives and programme indicators and contributed to reach the Programme output indicator 1.104 – Participants to training activities.

	date	Place	Country	stakeholders	presence	online	accreditation assigned	Nr. ECM	number of credits
1	18/09/2020	Ostuni	Italy	operators	17	40			
	19/09/2020	Ostuni	Italy	veterinarians	27		21	300719	10
2	09/12/2020	online	Croatia	PMI farmers operators	46				
3	19/11/2021	Padova	Italy	PMI farmers, operators, researchers	53	18			
4	24/02/2022	online	Croatia	PMI farmers, operators, researchers	71				
5	10/03/2022	online	Croatia	PMI farmers, operators, researchers	89				
6	06/05/2022	Ostuni	Italy	PMI farmers, operators, researchers	50	29	18	349213	8
7	07/05/2022	Ostuni	Italy	veterinarians, PMI farmers, operators, researchers	45	10			
8	25/05/2022	Portofino	Italy	veterinarians, PMI farmers, operators, researchers	46		16	ARCS 22044	1,8
9	02/06/2022	Zadar	Croatia	PMI farmers, operators, researchers	37				
				Subtotals	481	97	55		19,8
				TOTAL PERSONS INVOLVED	578				