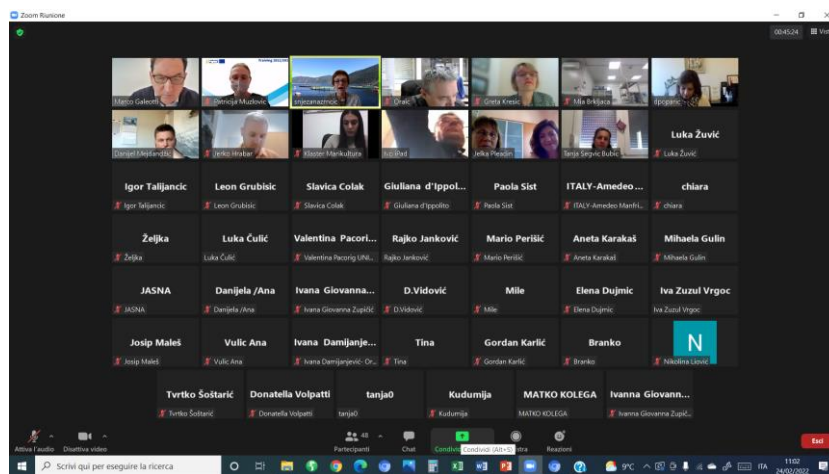


AdriAquaNet

Enhancing Innovation and Sustainability in Adriatic Aquaculture

WP 3.3 Trainings of staff in SMEs and R&D Centers

WP3– Training nr. 4, report, February 24, 2022



Introduction

The fourth training course entitled “GUIDELINE FOR SUSTAINABLE FARMING OF EUROPEAN SEA BASS AND GILTHEAD SEA BREAM” took place on February 24, 2022 from 11:00 till through the "Zoom platform": <https://us02web.zoom.us/j/82339592913?pwd=enVwZkl3NWVvMkNkbWlqZTBqZ2ZxLdz09>

The workshop was organised by the Croatian partners the AdriAquaNet consortium, Mariculture cluster **PP7** and the Croatian Institute of Veterinary Medicine (CVI) in Zagreb **PP1** with the aim to reach veterinarians, biologists, animal producers, agronomists, breeders, operators in the sector, in particularly Croatian market.

1

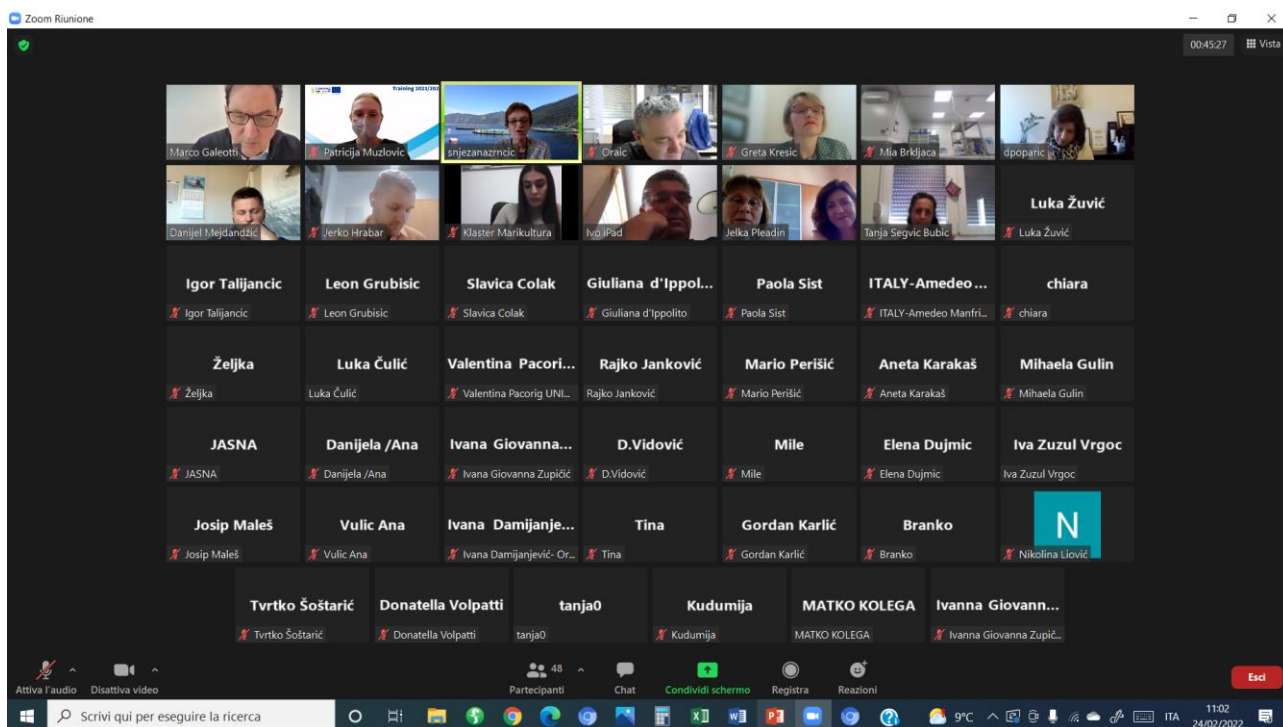
71 participants followed the complete training Cycle of WP3,4,5 activities and got the AAN certificate of attendance.

The programme involved 7 presentations of which:

- 1 lesson related to WP3
- 4 lessons related to WP4
- 2 lessons related to WP5

After the registration of the participants, M. Galeotti (LP) introduced the project to the attendees. LP external services LETTERA B was in charged for the zoom connection, PP1 coordinator Snježana Zrnčić was the moderator of the whole course.





2

Tanja Šegvić, PP3 coordinator, was involved as a speaker and participants in the activity 3.3. and she presented a lesson entitled **“Sustainable feeds for the Mediterranean cage farmed fish species”**.

Topics

The following presentations regarding WP3 was discussed among the participants and all relators present debated about:

1. Sustainable development and the EU regulations from 2021 till 2030 in aquaculture and the production of sea bream and sea bass in Mediterranean
2. New Feed Formulations in Mariculture and their Influence on the Quality of Farmed Fish:
 - a. Changes in the feed composition used for fish nutrition significantly that has an effect on: Fatty acids profile.
 - b. Sea bream fed with insects had statistically significantly higher values of EPA and DHA content.


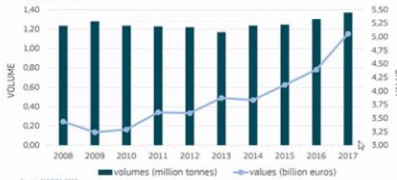
- c. Minimum presence of fish proteins and balanced intake of processed vegetable and animal proteins (PAT). appears more likely in configuring the protein origin of the new generation feed formulations for carnivorous fish in the medium term.
- d. Tests and results of new feeds on fish farm at PP8 and PP9 farms.

Zoom Riunione Stai visualizzando lo schermo di Tanja Segvic Bubic Opzioni della vista

Registrazione in corso 01:06:34 Vista

Uvod – održivi razvoj akvakulture

Source: EUMOFA elaboration of Eurostat-COMEXT data (online data code: [DS-016890](#))

Year	Volume (million tonnes)	Value (billion euros)
2008	0.25	0.35
2009	0.25	0.35
2010	0.25	0.35
2011	0.25	0.35
2012	0.25	0.35
2013	0.25	0.35
2014	0.25	0.35
2015	0.25	0.35
2016	0.25	0.35
2017	0.25	0.35

- EU najveći je svjetski uvoznik proizvoda ribarstva i akvakulture (Eumofa, 2021)
- EU komisija je u posljednjih 20 godina uložila više od 3 milijarde eura kroz različite strukturne fondove – *plavi rast, zeleni rast, održivost, kružno gospodarstvo*
- stagnaciju rasta proizvodnje EU akvakulture --- rast vrijednosti proizvoda akvakulture

COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN PARLIAMENT, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL COMMITTEE AND THE COMMITTEE OF THE REGIONS
EMPTY

Strategic guidelines for a more sustainable and competitive EU aquaculture for the period 2021 to 2030

- Okolišna učinkovitost sektora akvakulture u EU-u - osiguravanje održivih sustava hranidbe
- ograničavanje oslanjanja proizvođača na riblje brašno i riblje ulje dobiveno od divljih stokova (npr. upotrebom alternativnih proteinskih sastojaka kao što su alge ili kukci ili otpada iz drugih industrija)

Interreg Italy - Croatia AdriAquaNet EUROPEAN UNION

Zoom interface: Attiva l'audio, Avvia video, 52 Participants, Chat, Condividi schermo, Registra, Reazioni, Esci

Windows taskbar: Scrivi qui per eseguire la ricerca, 10°C, 11:24, 24/02/2022

Zoom Riunione Stai visualizzando lo schermo di Tanja Segvic Bubec Opzioni della vista

PBM **Apsolutno «siguran» sastojak**

Dioksini i polihalogenirani bifenili (PCB)						Mikrobiološka analiza				
	PBM1	PBM2	PBM3	PBM4	PBM5	PBM1	PBM2	PBM3	PBM4	PBM5
PCDD/F (ng WHO-TEQ g ⁻¹)	0,047	0,033	0,063	0,082	0,06	1.800	15.000	53.000	26.000	4.600
DL-PCB (ng WHO-TEQ g ⁻¹)	0,001	0,005	0,009	0,009	0,0013	Mezofilne bakterije (u.c.f g ⁻¹)				
PCDD/F + DL-PCB (ng WHO-TEQ g ⁻¹)	0,048	0,038	0,064	0,091	0,061	Sulfita redukcija kloridra (u.c.f g ⁻¹)				
SOMMA YN PCB (ng g ⁻¹)	0,018	0,012	0,012	0,093	0,063	<10	<10	60	<10	<10
Oraonokorni pesticidi	< LOD	< LOD	< LOD	< LOD	< LOD	Crijevni enterokoki (u.c.f g ⁻¹)				
						350	50	130	150	130
						Pozitivno na koagulans stafilocoki (u.c.f g ⁻¹)				
						<10	<10	<10	<10	<10
						Ukupni koliformi (u.c.f g ⁻¹)				
						<10	<10	<10	<10	<10
						Escherichia coli (u.c.f g ⁻¹)				
						<10	<10	<10	<10	<10
						Bakteriološki pregled:				
						Indeksi i identifikacija				
						E. coli VTEC-STEC				
						Listeria monocytogenes				
						Odsutno				
						Norovirus				
						Odsutno				
						Salmonella spp.				
						Odsutno				
						Shigella spp.				
						Odsutno				
						Vibrio cholerae				
						Odsutno				
						Virus hepatitis A				
						Odsutno				
						Vibrio parahaemolyticus				
						Odsutno				
						Vibrio spp.				
						Odsutno				
						Inhibirajuće tvari i kiselosti				
						Odsutno				

Svi su rezultati znatno ispod očekivanih graničnih vrijednosti prema važećem zakonodavstvu (Prilog I. Direktiva 2002/32 / EZ)

Izvor: IZSAM G. Caporale, projekt Ager2-SUSHIN

Zoom interface: 01:14:23, Vista, Tanja Segvic Bubec

4

Presentazione standard di PowerPoint - Adobe Acrobat Reader DC (64-bit)




File Modifica Vista Firma Finestra Aiuto

Home Strumenti Presentazione stan... x

13 / 15 85%

AdriAquaNet - WP3 - Inovativna receptura hrane koja podržava načela kružnog gospodarstva

- Ispitivanja na gospodarskoj razini -
Lubin- Orada Adriatic, Cres (HR)
Komarča- Friškina Ltd., Rogoznica (HR)

13

Zoom interface: Scritvi qui per eseguire la ricerca, 11:31, 24/02/2022

The following deliverables were produced and put in SIU:

1. Agenda in EN and CRO
2. Participant's attendance certificates on zoom
3. Minutes of discussion with attendees
4. Presentation of lessons and training materials

5

Conclusions and Next Steps

The following training will be organized online due to sanitary situation on March 10, 2022 by Croatian partners.