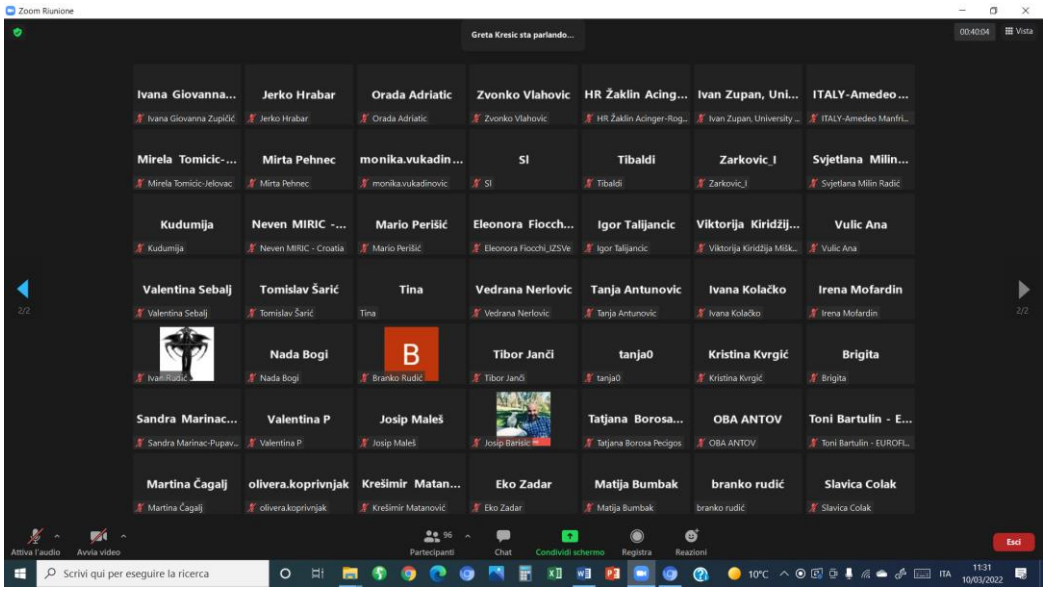
AdriAquaNet

Enhancing Innovation and Sustainability in Adriatic Aquaculture

WP 4.4 Trainings for veterinarians and SMES

WP4– Training nr. 5, report, March 10, 2022



Introduction

The fifth training course entitled “SUSTAINABLE MARICULTURE: FARMING, SAFETY AND QUALITY” took place on February 24, 2022 from 11:00 till through the "Zoom platform": https://us02web.zoom.us/j/82339592913?pwd=enVwZkl3NWVuMkNKbWlqZTBqZ2xLdz09.

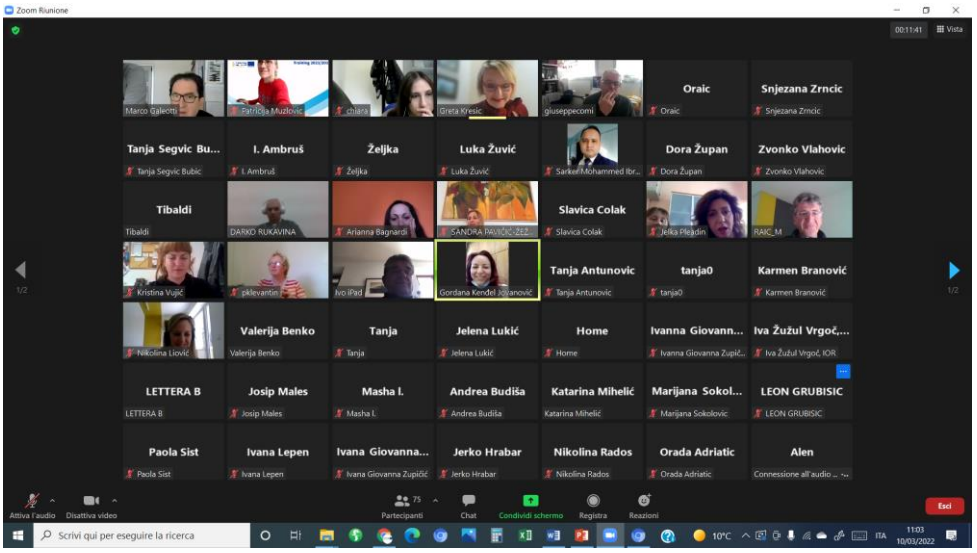
The workshop was organised by the Croatian partners the AdriAquaNet consortium, Mariculture cluster **PP7,** the Croatian Institute of Veterinary Medicine (CVI) in Zagreb PP1 with the collaboration of The University of Rijeka with the aim to reach nutritionist, fish producers, breeders, operators, catering services and GDO, in particularly related to Croatian market.

Maximum number of people attending on line were 96 persons, of which 89 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
- 1 lesson related to WP4
- 4 lessons related to WP5

The lessons were held in English and Croatian. Translation was provided. 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 Zrnčič and PP5 coordinator Greta Krešić were moderators of the whole course.



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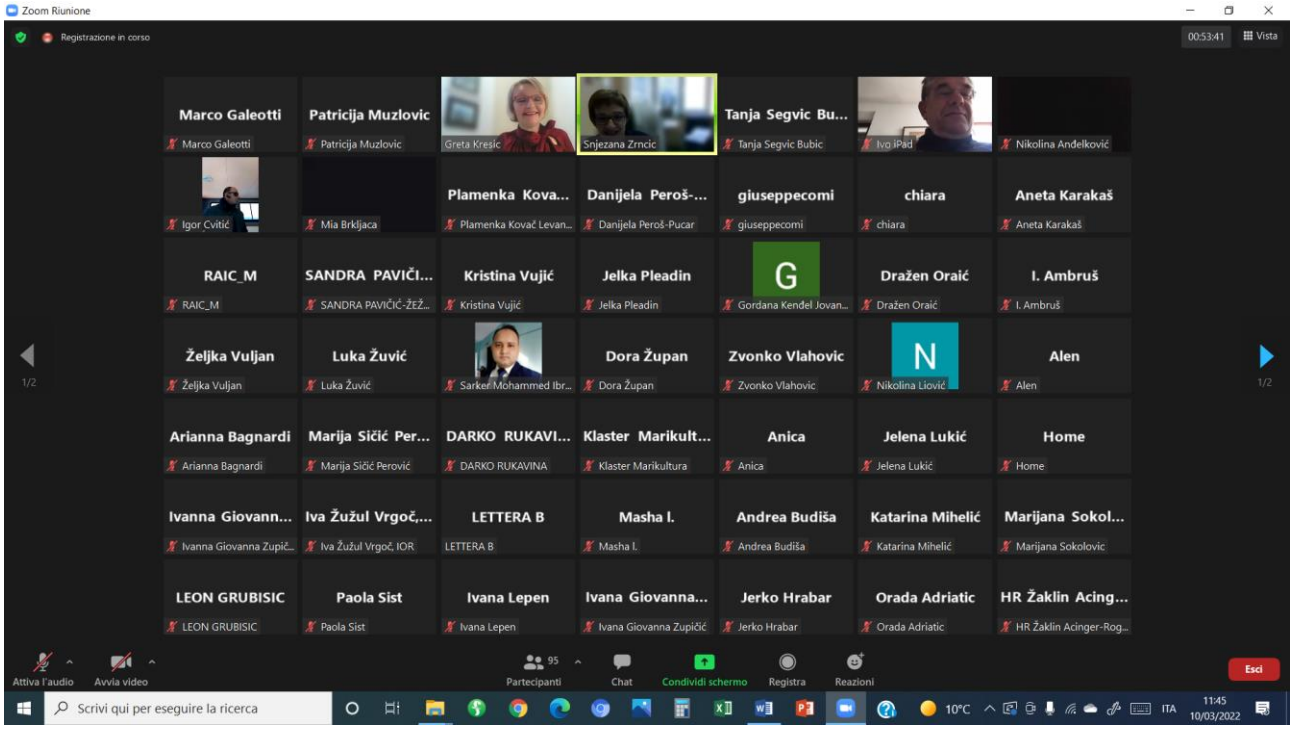
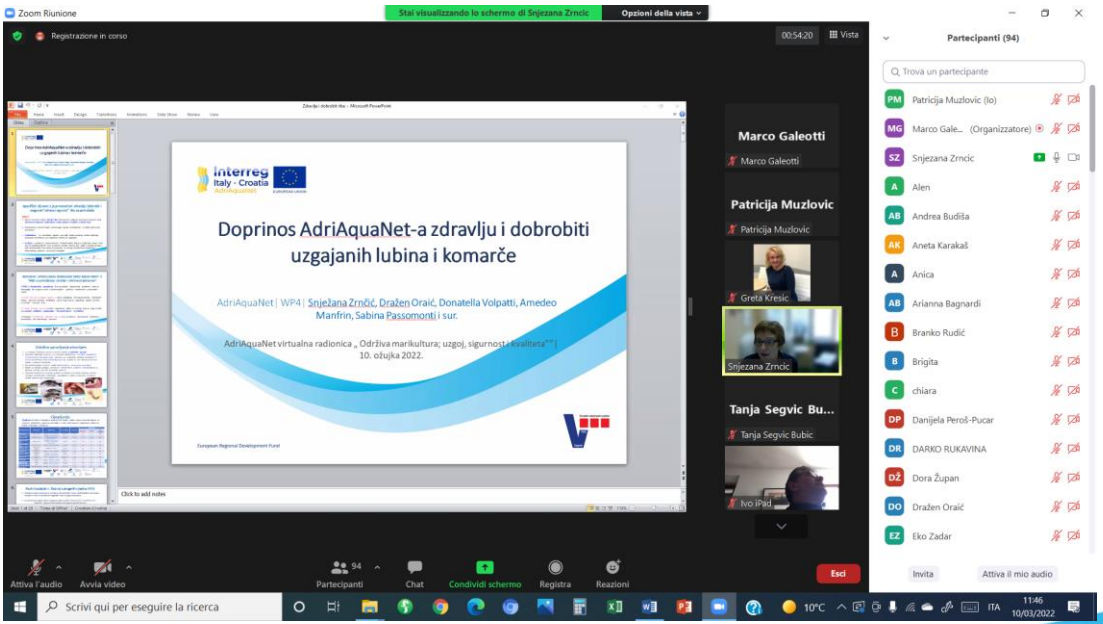
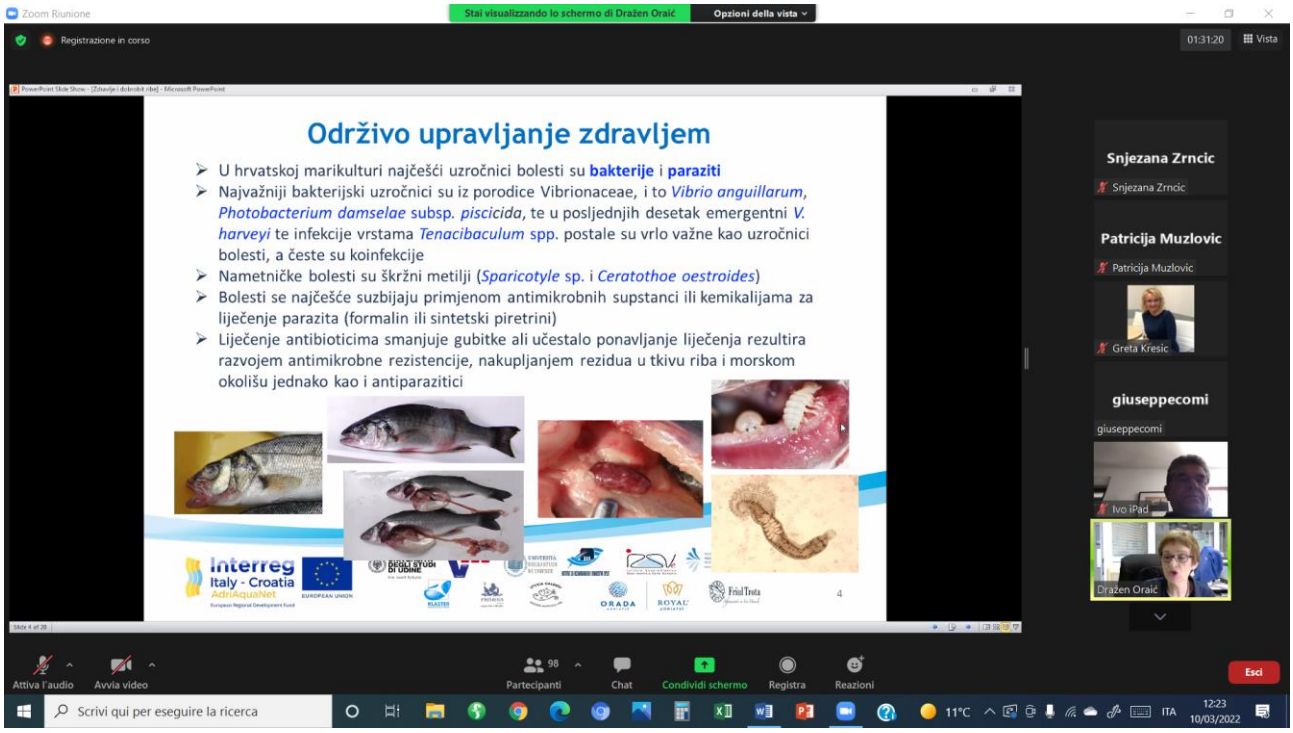
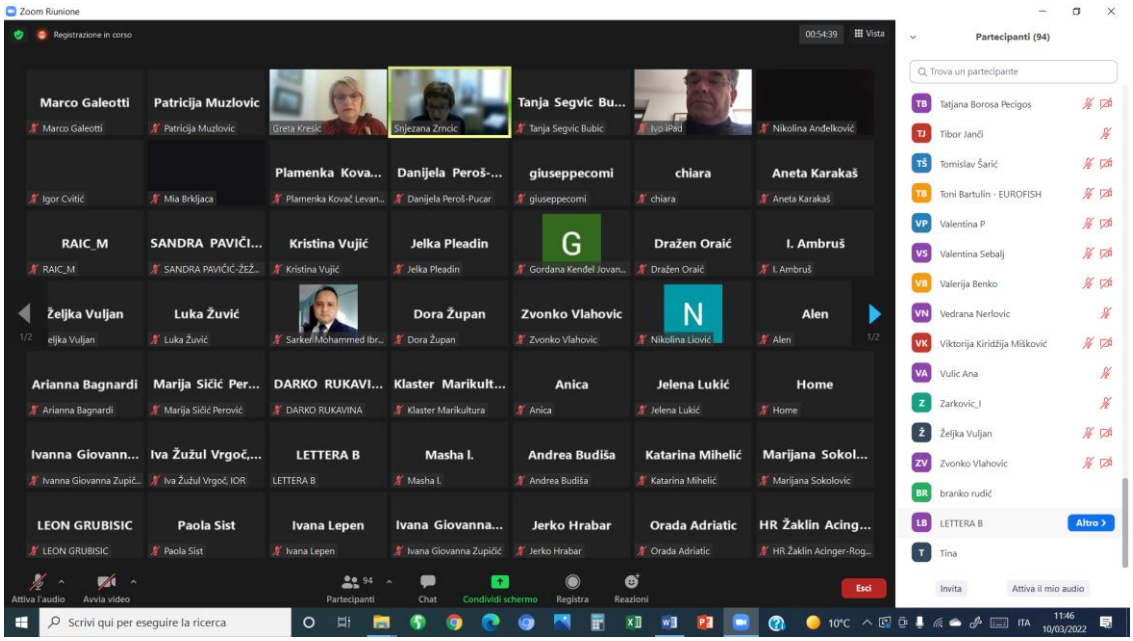


Snježana Zrnčič, PP1 coordinator, was involved also as a speaker and she participated in the activity 4.4 and presented a lesson entitled **"Fish health and welfare".**







European Regional Development Fund

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PMT*	Vrsta	Organizam	Tvar	*V. anguillarum* O1	*P. damselae subsp. piscicida*
CBC3A_X	*Crambe crambe*	spužva	Sirovi ekstrakt	$MIC_{CBC3A\_X} > MIC_{OXY}$	$MIC_{CBC3A\_X} < MIC_{OXY}$
CBC3A_B	*Crambe crambe*	spužva	Obogaćena frakcija	$MIC_{CBC3A\_B} > MIC_{OXY}$	$MIC_{CBC3A\_B} < MIC_{OXY}$
CBC3A_C	*Crambe crambe*	spužva	Obogaćena frakcija	$MIC_{CBC3A\_C} > MIC_{OXY}$	$MIC_{CBC3A\_C} < MIC_{OXY}$
CBC3A_C_E	*Crambe crambe*	spužva	Obogaćena frakcija	nd	$MIC_{CBC3A\_C\_E} = MIC_{OXY}$
CBC3A_C_F	*Crambe crambe*	spužva	Aktivni metabolit	nd	$MIC_{CBC3A\_C\_F} = MIC_{OXY}$
CBC46B_108/O	*Gastropteron meckeli*	školjkaš	Aktivni metabolit	$MIC_{CBC46B\_108/O} > MIC_{OXY}$	$MIC_{CBC46B\_108/O} < MIC_{OXY}$
CBC46B_108/R	*Gastropteron meckeli*	školjkaš	Aktivni metabolit	$MIC_{CBC46B\_108/R} > MIC_{OXY}$	$MIC_{CBC46B\_108/R} < MIC_{OXY}$
CBC46B_108/Z	*Gastropteron meckeli*	školjkaš	Aktivni metabolit	$MIC_{CBC46B\_108/Z} > MIC_{OXY}$	$MIC_{CBC46B\_108/Z} < MIC_{OXY}$
CBC46B_10H	*Gastropteron meckeli*	školjkaš	Aktivni metabolit	$MIC_{CBC46B\_10H} > MIC_{OXY}$	$MIC_{CBC46B\_10H} < MIC_{OXY}$
AMP * *	**Vrsta**	**Organizam**	**Tvar**	***V. anguillarum* O1**	***P. damselae subsp. piscicida***
Cecropin A Mellitin CA(1-7) M (2-9) Pročišćen	*Hyalophora cecropia-Apis mellifera*	Insekt	Sintetski hibridni peptid	$MIC_{CAMPur} > MIC_{OXY}$	$MIC_{CAMPur} < MIC_{OXY}$
Cecropin A Mellitin CA(1-7) M (2-9) Neprocišćen	*Hyalophora cecropia-Apis mellifera*	Insekt	Sintetski hibridni peptid	nd	$MIC_{CAMPraw} < MIC_{OXY}$

*PMT - prirodna morska tvar
**AMP – antimikrobni peptid

MIC, Minimalna Inhibicijska Koncentracija
OXY, oksitetraciklin kao referentni antibiotik

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Topics

The following presentations regarding WP4 was discussed among the participants and all relators present. They debated about:

1. How to guarantee healthy farmed fish to consumers
2. How to manage and guarantee health sanitary conditions on farms (the most common bacteria and parasites in the Croatian fish farms)
3. Vaccinations – new autologous vaccines developed by the AAN project against *Vibrio harveyi* and *Tenacibaculum maritimum*
4. Probiotics and natural marine substances - AAN tests
5. Parameters in the everyday fish farming and the EU normative
6. Innovation used in AAN labs test and exams in tracking the welfare of farmed fish

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**

Conclusions and Next Steps

The following training will be organized in Italy and probably in hybrid version - in person and online due to sanitary situation on May 6 and 7, 2022 by Italian partners.

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