



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N° 773330

Deliverable report for

GAIN

Green Aquaculture Intensification in Europe

Grant Agreement Number 773330

Deliverable D5.3

GAIN Summer School: classes and student feedbacks

Due date of deliverable: 31/08/2021

Actual submission date: 22/10/2021

Lead beneficiary: UNIVE

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WP 5 – Professional Development

Task 5.3 – GAIN Summer School

Dissemination Level:		
PU	Public	Y
PP	Restricted to other programme participants (including the Commission Services)	
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CO	Confidential, only for members of the consortium (including the Commission Services)	

Document log

Version	Date	Comments	Author(s)
Version 1	21/10/2021	First version	Edouard Royer
Version 2	12/01/2022	Revised version after reviewers' comments on 3 rd Reporting period.	Edouard Royer

Recommended Citation

Royer, E., A. Lima, R. Pastres. Report on GAIN Summer School: classes and student feedbacks. Deliverable 5.3. GAIN - Green Aquaculture INTensification in Europe. EU Horizon 2020 project grant n°. 773330. 16 pp.

Sommario

1	Introduction	4
1.1	GAIN H2020 Project	4
1.2	GAIN Summer School	4
2	Summer School Preparation	4
3	Programme	6
3.1	Day 1 - H2020 FOR ECOLOGICAL TRANSITION OF AQUACULTURE	6
3.2	Day 2 - PRECISION AQUACULTURE AND THE GAIN INFORMATION MANAGEMENT SYSTEM	7
3.3	Day 3 - ENHANCING CIRCULARITY IN THE AQUACULTURE SECTORS	8
3.4	Day 4 - SUSTAINABILITY ASSESSMENT	9
3.5	Day 5 - POLICIES AND MARKETS - A GLOBAL PERSPECTIVE	10
4	Students Feedbacks	11
4.1	Questionnaire	11
4.2	Results	12
5	Dissemination	16
6	Conclusion	16
7	Annex 1 – Students answers to the questionnaire	16

Figures

Figure 1: Students feedbacks survey results - Question 9	12
Figure 2: Students feedbacks survey results - Question 10	13
Figure 3: Students feedbacks survey results - Question 11	13
Figure 4: Students feedbacks survey results - Question 12	14
Figure 5: Students feedbacks survey results - Question 14	14
Figure 6: Students feedbacks survey results - Question 19	15

Table

Table 1: Students feedback questionnaire.....	11
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1 Introduction

1.1 GAIN H2020 Project

Green Aquaculture Intensification in Europe (GAIN) (www.unive.it/gainh2020_eu) is a collaborative project funded by the European Union (EU) under the Horizon2020 framework. It is designed to support the ecological intensification of aquaculture in the EU and the European Economic Area (EEA), with the dual objectives of increasing production and competitiveness of the industry, while ensuring sustainability and compliance with EU regulations on food safety and environment.

Eco-intensification of European aquaculture is a challenge that requires the integration of scientific and technical innovations, new policies and economic instruments, as well as addressing social considerations, in order to promote the implementation of the principles of circular economy in aquaculture. In short GAIN aims to:

- Add value to cultivation through innovations in side-streams, ensuring improved secondary materials, increased profit and minimisation of the environmental footprint;
- Improve the management of aquaculture farms, in terms of resource efficiency, fish welfare and reduction of wastes;
- Support integrated policies and address current barriers to the implementation of the principles of circular economy in aquatic production.

Within this context, GAIN WP5 aimed at enhancing the capacity of aquaculture companies and individuals to use state-of-the-art smart technologies for eco-intensifying their activities, with a focus on GAIN innovative processes and products.

1.2 GAIN Summer School

Within the frame of the WP5, the objective of the GAIN Summer School (task 5.3) was to share with young researchers or operators the results and lesson learned from the GAIN project. The programme was designed to provide state-of-the art information concerning the pillars of ecological intensification investigated during GAIN i.e. precision aquaculture, circular economy, sustainability assessment, innovative policies and market trends. The speakers presented key ideas and up-to-date knowledge in these areas, leading the students discovering how the main challenges related to the ecological intensification of aquaculture were dealt with by adopting the GAIN approach. Talks delivered by GAIN experts were complemented by contributions from other EU projects, focused on aquaculture ecological transition, and worldwide recognized authorities.

2 Summer School Preparation

The Gain Summer School was organized by UNIVE with the support of EPC Consulting, a private company which supports the submission and management of international research projects. The first tentative programme was shared with all GAIN partners during the 3rd annual meeting on, May 19th 2021. The programme was improved taking account of GAIN partner suggestions, in order to valorise their contribution to the School. Coordinators of other collaborative projects dealing with the challenging topics mentioned above, namely H2020

ASTRAL, IMPAQT and iFishIENCi, were invited to share their approaches and present their results concerning, in particular, precision aquaculture and circular economy. Two GAIN advisors, also kindly accepted to contribute to the event.

The school was promoted through GAIN social media and other informal communication means, e.g. emails to the GAIN network, in order to reach the target audience. Information about the programme and speakers, a school brochure and registration forms were delivered through a dedicated web page, <https://www.epcsrl.eu/gain-summer-school/>.

The application process opened on July 19th and closed on August 6th. The applications received were evaluated by the school organizing committee on the basis of applicant CVs and motivation letters. Out of the 46 selected participants, 35 actually took part to the event.

3 Programme

The Summer School was held online from August 30th, 2021 (Day 1) to September 3rd, 2021 (Day 5). The programme included five morning sessions, from 9:30 to 13:30 and two afternoon ones, on Day 1 and Day 4, from 14:30 to 16:30. All time slots indicated are Central European Time (CET).

All presentations are available at: <https://www.epcsl.eu/gain-summer-school-course-material/>

3.1 Day 1 - H2020 FOR ECOLOGICAL TRANSITION OF AQUACULTURE

Monday August 30th - Day 1		
H2020 for Ecological Transition of Aquaculture		
9.00 – 9.30	Welcoming and registrations	
9.30 - 9.45	Welcome, introduction to the School	Roberto Pastres Ca' Foscari University of Venice, Italy
9.45 – 10.15	Ecological Intensification in China	Changbo Zhu South China Sea Fisheries Research Institute, China
10.15 – 10.20	5' Break	
10.20 - 10.50	Intelligent Management Systems for Integrated Multi Trophic Aquaculture (<i>H2020 IMPAQT</i>)	Frank Kane Marine Institute, Ireland
10.50 - 11.20	Intelligent fish feeding through integration of enabling technologies and circular principles (<i>H2020 iFishIENCI</i>)	Tamàs Bardòcz AquaBioTech, Malta
11.20 – 11.40	Break	
11.40 - 12.10	New technologies tools and strategies for a sustainable, resilient and innovative European Aquaculture (<i>H2020 New Tech Aqua</i>)	Alessio Bonaldo University of Bologna, Italy
12.10- 12.40	Increasing circularity and lowering waste of Integrated Multi Trophic Aquaculture (<i>H2020 ASTRAL</i>)	Elisa Ravagnan Norce, Norway
12.40 – 12.45	5' Break	
12.45 - 13.15	The Deep Ocean project	Jon Grant Dalhousie University, Canada
13.15 – 13.30	Day 1 closure and take-home messages	Roberto Pastres Ca' Foscari University of Venice, Italy

Afternoon Session		
14.30 – 16.30	<p>Working group - participants will be divided into 3 groups, based on their interest in: Precision aquaculture – Circularity – Sustainability assessment.</p> <p><i>Students will present their research/motivation for attending the school</i></p>	<p>Roberto Pastres Ca' Foscari University of Venice, Italy</p>

3.2 Day 2 - PRECISION AQUACULTURE AND THE GAIN INFORMATION MANAGEMENT SYSTEM

Tuesday, August 31 st - Day 2		
Precision Aquaculture and the GAIN Information Management System		
9.15 – 9.30	Welcoming	
9.30 - 9.45	Ecological intensification and Precision Aquaculture	<p>Roberto Pastres Ca' Foscari University of Venice, Italy</p>
9.45 - 10.30	Data driven models for the prediction of external forcings	<p>Fearghal O'Donncha IBM, Ireland</p>
10.30 – 10.35	5' break	
10.35 - 11.20	Process based growth models	<p>Joao G. Ferreira Longline Environment, United Kingdom</p>
11.20 - 11.40	Break	
11.40 - 12.25	Data assimilation and its application to the smart management of Oxygen supply	<p>Edouard Royer Ca' Foscari University of Venice, Italy</p>
12.25 – 12.30	5' Break	
12.30 - 13.15	The GAIN Information Management System <i>Demonstration of IMS tools on selected data sets collected at pilot sites</i>	<p>Fearghal O'Donncha Joao G. Ferreira Edouard Royer</p>
13.15 – 13.30	Day 2 closure and take-home messages	<p>Roberto Pastres Ca' Foscari University of Venice, Italy</p>

3.3 Day 3 - ENHANCING CIRCULARITY IN THE AQUACULTURE SECTORS

Wednesday, September 1st - Day 3		
Enhancing Circularity In The Aquaculture Sectors		
9.15 – 9.30	Welcoming	
9.30 - 9.45	Ecological intensification and circularity	Roberto Pastres Ca' Foscari University of Venice, Italy
9.45 - 10.30	Obtaining of valuable products and chemicals from fish farming by-products	Xosé Antón Vázquez Álvarez Consejo Superior de Investigaciones Cientificas, Spain
10.30 - 10.35	5' Break	
10.35 - 11.20	Valorising shells	Leticia Regueiro Abelleira ANFACO-CECOSPECA, Spain
11.20 - 11.40	Break	
11.40 - 12.25	Getting the best out of aquaculture wastes.	Christian Bruckner SHP, Norway Hallstein Baarset Waister, Norway
12.25 - 12.30	5' Break	
12.30 - 13.15	Aquafeeds revolution	Luis Conceição SPAROS, Portugal
13.15 – 13.30	Day 3 closure and take-home messages	Roberto Pastres Ca' Foscari University of Venice, Italy

3.4 Day 4 - SUSTAINABILITY ASSESSMENT

Thursday September 2nd - Day 4 Sustainability Assessment		
9.15 – 9.30	Welcoming	
9.30 - 9.45	Ecological intensification and sustainability	Roberto Pastres Ca' Foscari University of Venice, Italy
9.45 - 10.30	Assessing economic sustainability of innovations: the "typical farm" approach	Cornelia Kreiss Thünen Institute, Germany
10.30 - 10.35	5' Break	
10.35 - 11.20	LCA: a more and more popular tool for assessing sustainability	Roberto Pastres Ca' Foscari University of Venice, Italy
11.20 - 11.40	Break	
11.40 - 12.25	Beyond LCA: the EISI index	Richard Newton University of Stirling, United Kingdom
12.25 - 12.30	5' Break	
12.30 - 13.15	Social acceptability of eco-intensified aquaculture products	Gesche Krause Alfred Wegener Institute, Germany
13.15 – 13.30	Day 4 closure and take-home messages	Roberto Pastres Ca' Foscari University of Venice, Italy
Afternoon Session		
14.30 – 16.30	LCA Hands-on session Softwares for LCA: an overview	Silvia Maiolo Life Cycle Engineering Srl, Italy

3.5 Day 5 - POLICIES AND MARKETS - A GLOBAL PERSPECTIVE

Friday September 3rd - Day 5		
Policies and Markets - A Global Perspective		
9.15 – 9.30	Welcoming	
9.30 - 9.45	Ecological intensification and policies.	Roberto Pastres Ca' Foscari University of Venice, Italy
9.45 - 10.30	Tools: VCA and its application to the carp supply chain.	Wesley Malcorps University of Stirling, United Kingdom Remigius Panicz West Pomeranian University of Technology, Poland
10.30 - 10.35	5' Break	
10.35 - 11.20	Low Trophic Aquaculture ecosystem services.	Joao G. Ferreira Longline Environment, United Kingdom
11.20 - 11.40	Break	
11.40 - 12.25	Innovation incubators, new digital tools and new feeds/ingredients	Anton Immink ThinkAqua
12.25 - 12.30	5' Break	
12.30 - 13.15	Ecological approaches in Asian aquaculture	Patrick Sorgeloos Ghent University, Belgium
13.15 - 13.30	School closure and take-home messages	Roberto Pastres Ca' Foscari University of Venice, Italy

4 Students Feedbacks

Student feedbacks were collected by distributing a purposely designed questionnaire, see Table 1, aimed at assessing, the impact of the lectures on aquaculture perception, the interest of attendees for the subject matters, the new knowledge delivered by the School, as well as the efficiency of the organization. Comments concerning potential improvements were also collected.

4.1 Questionnaire

Table 1: Students feedback questionnaire

1	After attending the course, what would you say about farmed or wild seafood?
2	After attending the course, what attitude do you have to aquaculture in general? (multiple answers possible)
3	After attending the course, how do you rank the sustainability of fish farming?
4	Did the Summer School change your perception on aquaculture?
5	Did you learn something novel?
6	If yes, do you think that what you learnt could change your aquatic food consumption behaviour?
7	Any other comment?
8	How did you hear about the GAIN Summer School?
9	To what extent do you agree with the following statements? [The information I received about the program prior to enrollement was accurate and useful]
10	To what extent do you agree with the following statements? [The registration procedure was clear and smart]
11	To what extent do you agree with the following statements? [I received all the information on time (admission, zoom link etc.) and proper support when needed]
12	To what extent do you agree with the following statements? [The Course content met my expectations:]
13	To what extent do you agree with the following statements? [The Course content was clear and easy to understand:]
14	To what extent do you agree with the following statements? [The Course exposed me to new knowledge]
15	To what extent do you agree with the following statements? [The Course was conducted in a pleasant and positive atmosphere:]
16	To what extent do you agree with the following statements? [The Speakers were well prepared for lectures:]
17	To what extent do you agree with the following statements? [The Speakers used the class time well:]
18	To what extent do you agree with the following statements? [The Speakers inspired interest in the subject matter of this course:]
19	What subjects/sessions did you enjoy most?
20	What subjects/sessions were more informative?
21	What subjects/sessions did you enjoy least?

22	What subjects/sessions were not fully covered?
23	What other changes would you suggest for improving the course?(Including timings, venue, materials, domestics, etc.)
24	With hindsight would you still have wished to attend the training programme?
25	General Comment:

4.2 Results

The feedback questionnaire was filled by 18 out of 35 participants. The results are given in Annex 1. Below a synthesis of the answers is presented, focused on the most relevant issues, in terms of organization and content of the lectures.

4.2.1 School organization

As one can see from Fig. 1,2, and 3, most students were happy with the way the information about the programme was disseminated as well as with the enrolment procedure.

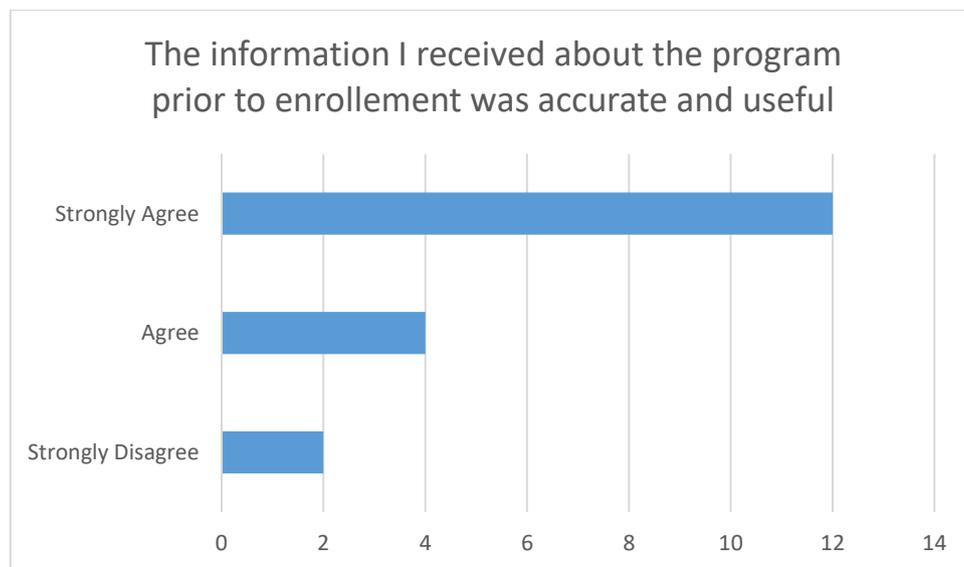


Figure 1: Students feedbacks survey results - Question 9

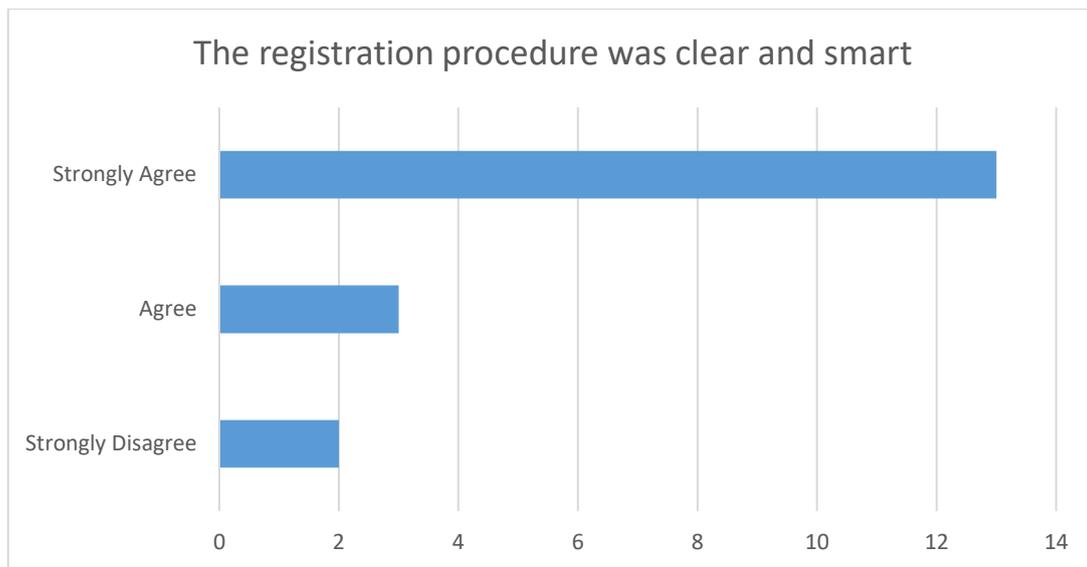


Figure 2: Students feedbacks survey results - Question 10

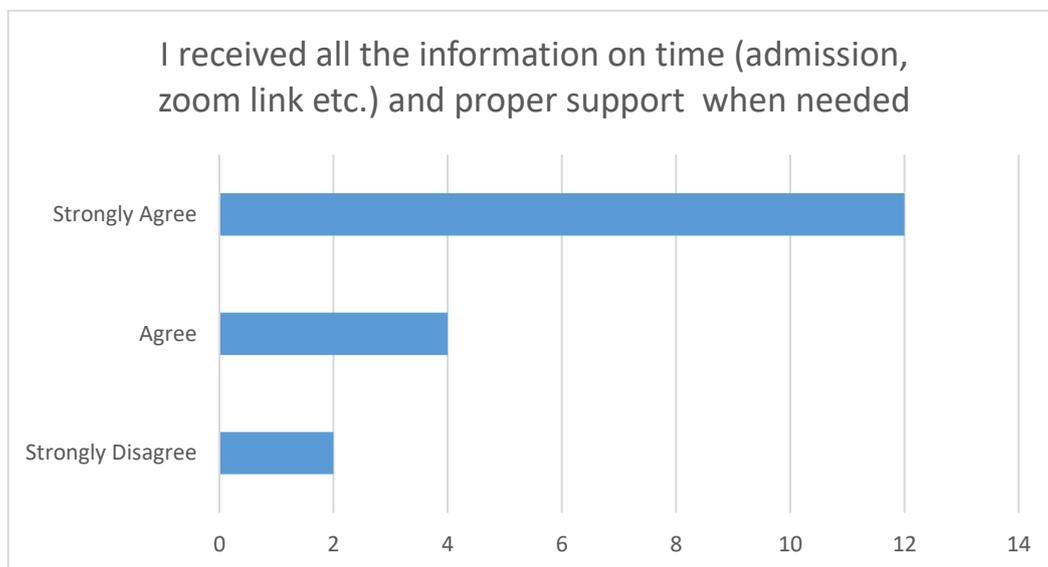


Figure 3: Students feedbacks survey results - Question 11

4.2.2 School lectures

The quality of the lectures was positively assessed, with a good fit with the expectations (Figure 4) for 83% of the respondents. Furthermore, as one can see in Figure 5, the lectures were informative for 89% of them. Regarding the subject matters, Figure 6 shows that the respondents showed higher interest for sustainability and circular economy sessions, followed by Precision Aquaculture, which was seen as too technical by some of the respondents, and by policies and markets.

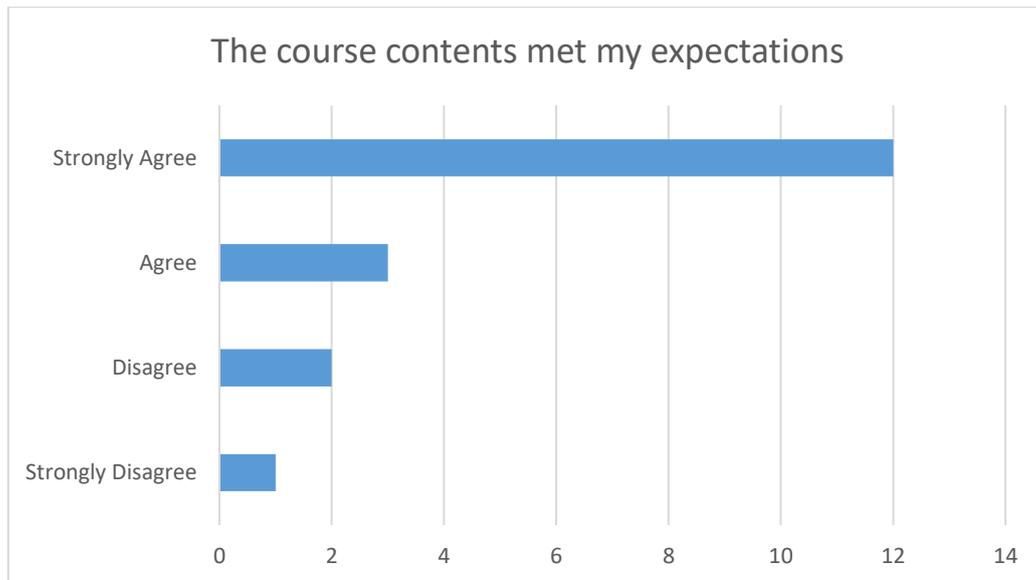


Figure 4: Students feedbacks survey results - Question 12

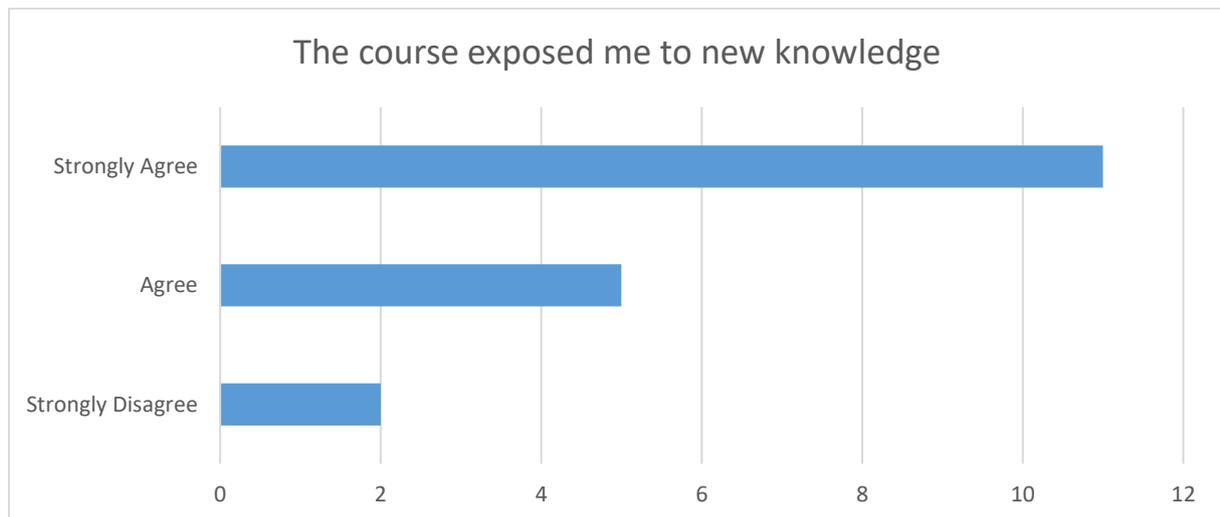


Figure 5: Students feedbacks survey results - Question 14

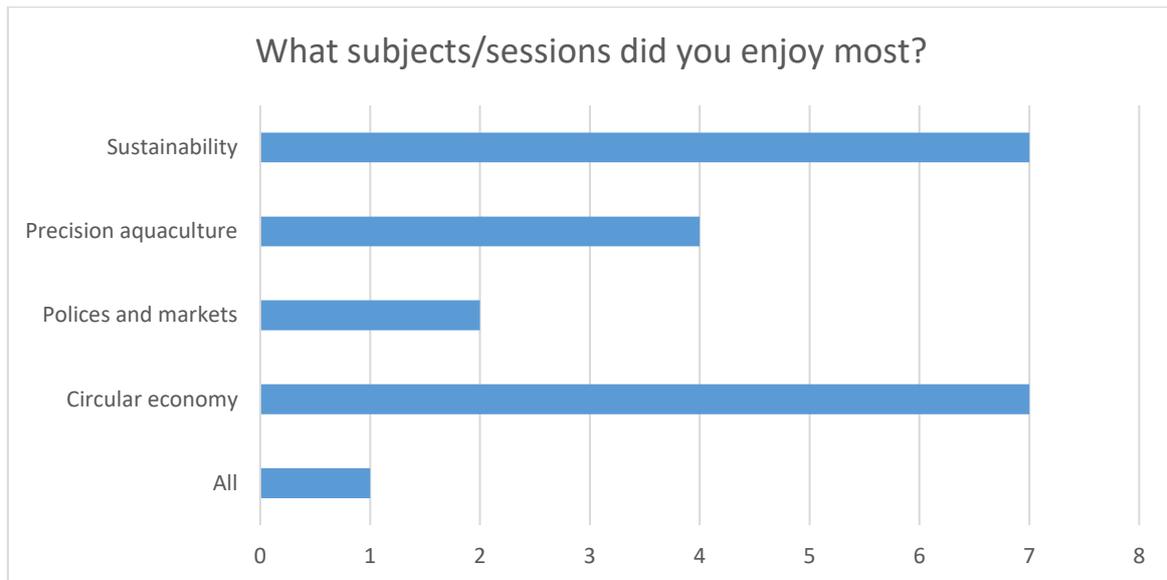


Figure 6: Students feedbacks survey results - Question 19

5 Dissemination

In order to further disseminate the Summer School, all lectures were video recorded and made available through the school web page (<https://www.epcsrl.eu/gain-summer-school/>), in compliance with the GDPR.

6 Conclusion

The GAIN Summer School, coordinated by UNIVE, successfully presented the new ideas and emerging paradigms for fostering the sustainable development of aquaculture in the EU and the European Economic Area (EEA). Lectures by GAIN advisors and coordinators of others H2020 project show how much the ecological intensification is crucial to warranty a future to aquaculture in the EU/EAA and worldwide.

GAIN Summer school represented also a very important achievement for the GAIN consortium, as it demonstrated its ability to promote ecological intensification of aquaculture illustrating the various challenges this paradigm shift implies. Project, partners showed how ecological intensification and, in perspective, the ecological transition of aquaculture can be achieved building on the innovations tested in GAIN. This knowledge will help these future actors of the sectors orienting themselves, and aquaculture itself, in a changing context where precision farming, circular economy and sustainability are becoming the keys for supporting the growth of a sustainable aquaculture industry in the years to come, when this sector is likely to become a main asset to cope with the global rise of seafood demand.

7 Annex 1 – Students answers to the questionnaire

Informazioni cronologiche	9/6/2021	9/6/2021	9/6/2021	9/6/2021	9/6/2021	9/6/2021	9/6/2021	9/6/2021	9/6/2021	9/7/2021	9/7/2021	9/7/2021	9/7/2021	9/7/2021	9/7/2021	9/7/2021	9/7/2021	9/8/2021	9/14/2021	
After attending the course, what would you say about farmed or wild seafood?	It depends on the type of product	It depends on the type of product	It depends on the type of product	It depends on the type of product	It depends on the type of product	I prefer farmed products	It depends on the type of product	It depends on the type of product	It depends on the type of product	It depends on the type of product	It depends on the type of product	I have no preference	I prefer farmed products	I prefer farmed products	It depends on the type of product	It depends on the type of product	It depends on the type of product	I prefer farmed products	It depends on the type of product	
After attending the course, what attitude do you have to aquaculture in general? (multiple answers possible)	Aquaculture is important for social welfare in the region, Aquaculture is an economic way to produce seafood	Aquaculture is important for social welfare in the region, Aquaculture is an economic way to produce seafood	Aquaculture is important for social welfare in the region, Aquaculture is an economic way to produce seafood	Aquaculture is important for social welfare in the region, Aquaculture is an economic way to produce seafood	Aquaculture is important for social welfare in the region, Aquaculture is an economic way to produce seafood	Aquaculture is important for social welfare in the region, Aquaculture is an economic way to produce seafood	Aquaculture is important for social welfare in the region, Aquaculture is an economic way to produce seafood	Aquaculture is important for social welfare in the region, Aquaculture is an economic way to produce seafood	Aquaculture is important for social welfare in the region, Aquaculture is an economic way to produce seafood	Aquaculture is important for social welfare in the region, Aquaculture is an economic way to produce seafood	Aquaculture is important for social welfare in the region, Aquaculture is an economic way to produce seafood	Aquaculture is important for social welfare in the region, Aquaculture is an economic way to produce seafood	Aquaculture is important for social welfare in the region, Aquaculture is an economic way to produce seafood	Aquaculture is important for social welfare in the region, Aquaculture is an economic way to produce seafood	Aquaculture is important for social welfare in the region, Aquaculture is an economic way to produce seafood	Aquaculture is important for social welfare in the region, Aquaculture is an economic way to produce seafood	Aquaculture is important for social welfare in the region, Aquaculture is an economic way to produce seafood	Aquaculture is important for social welfare in the region, Aquaculture is an economic way to produce seafood	Aquaculture is important for social welfare in the region, Aquaculture is an economic way to produce seafood	
After attending the course, how do you rank the sustainability of fish farming?	6	8	8	3	9	8	9	8	7	7	5	8	7	9	7	8	8	8	7	
Did the Summer School change your perception on aquaculture?	Yes, I was misinformed about	Yes, I was unaware of	No, I was already aware of the	Yes, I was misinformed about	Yes, I was unaware of	Yes, I was misinformed about	Yes, I was unaware of	No, I was already aware of the	Yes, I was unaware of	No, I was already aware of the	No, I was already aware of the	No, I was already aware of the	Yes, I was unaware of	No, I was already aware of the	Yes, I was unaware of	Yes, I was unaware of	Yes, I was unaware of	Yes, I was unaware of	No, I was already aware of the	
Did you learn something novel? If yes, do you think that what you learnt could change your aquatic food consumption behaviour?	Uncertain	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Any other comment?				First of all I would like to say I thank a lot to give me a chance to a part of summer school. I knew many of novel things from		Looking forward for summer school training programs	I think aquaculture products are more reliable than capture products.			thank you for the opportunity	It was very interesting to get updated on some of the cutting edge applied aquaculture trials being conducted in Europe. I hope that									
How did you hear about the GAIN Summer School?	From a Social Media, From the GAIN webpage	Directly from my Professor / my University	From a Social Media	Directly from my Professor / my University	Directly from my Professor / my University	From a Friend / Colleague, From the GAIN webpage	From a Social Media	From a Social Media	From a Social Media	From a Social Media	From a Social Media	From a Friend / Colleague	From the GAIN webpage	From a Social Media	From a Social Media	From a Social Media	From a Social Media	From a Friend / Colleague	From a Friend / Colleague	
To what extent do you agree with the following statements? [The information I received about the program prior to enrolment was accurate and useful]	Agree	Strongly Agree	Agree	Strongly Disagree	Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Disagree	Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	
To what extent do you agree with the following statements? [The registration procedure was clear and smart]	Agree	Strongly Agree	Agree	Strongly Disagree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Disagree	Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	
To what extent do you agree with the following statements? [I received all the information on time (admission, zoom link etc.) and proper support when needed]	Agree	Strongly Agree	Agree	Strongly Disagree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Disagree	Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	
To what extent do you agree with the following statements? [The Course contents met with my expectations.]	Disagree	Strongly Agree	Agree	Disagree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Disagree	Agree	Strongly Agree	Strongly Agree	Strongly Agree	Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	
To what extent do you agree with the following statements? [The Course contents was clear and easy to understand.]	Agree	Strongly Agree	Agree	Disagree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Disagree	Agree	Strongly Agree	Strongly Agree	Strongly Agree	Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	
To what extent do you agree with the following statements? [The Course exposed me to new knowledge]	Agree	Strongly Agree	Agree	Strongly Disagree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Disagree	Agree	Strongly Agree	Strongly Agree	Strongly Agree	Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	
To what extent do you agree with the following statements? [The Course was conducted in a pleasant and positive atmosphere]	Agree	Strongly Agree	Agree	Strongly Disagree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Disagree	Agree	Strongly Agree	Strongly Agree	Strongly Agree	Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	
To what extent do you agree with the following statements? [The Speakers were well prepared for lectures.]	Agree	Strongly Agree	Agree	Strongly Disagree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Disagree	Agree	Strongly Agree	Strongly Agree	Strongly Agree	Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	
To what extent do you agree with the following statements? [The Speakers used the class time well]	Agree	Strongly Agree	Agree	Strongly Disagree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Disagree	Agree	Strongly Agree	Strongly Agree	Strongly Agree	Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	
To what extent do you agree with the following statements? [The Speakers inspired interest in the subject matter of this course.]	Agree	Strongly Agree	Agree	Strongly Disagree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Disagree	Agree	Strongly Agree	Strongly Agree	Strongly Agree	Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	Strongly Agree	
What subjects/sessions did you enjoy most?	All the session	Circular economy	Enhancing circularity in the aquaculture sector	Enhancing circularity in the aquaculture sectors	Salmon and common carp comparison	Day 4 sessions were more interesting for me	Precision aquaculture, circular production, environment	Sustainability, Life Cycle Assessment methods	LCA assessment	I was particularly interested in topics covering	Patrick Sorgeloos, Leticia Regueiro Abelleira	Sustainability assessment, enhancing circularity in	The session on 'Social acceptability of eco-intensified	I enjoyed all sessions in general, but I preferred the Day 3.	All the subjects were important to me.	Ecological intensification and precision Aquaculture	LCA and social perception	All on session	All on session	
What subjects/sessions were more informative?		LCA	Most of them are informative and full of new ideas, knowledge but I think Ecological is hard to say, but intelligent management	No one	-	-	Precision aquaculture, extremely important	precision aquaculture, extremely important	for being a 1 week none, very well executed	I thought Jose Ferreira presented his sessions extremely clearly and well and	LCA hands on session, social acceptability of eco-intensified	The sessions on 'Beyond the EISI index' by Richard Newton + University of	All of them.	Every subject was high level.	Social acceptability of eco-intensified	Getting the best out of it would be great if the big player in aquaculture industry could be invited. So, we can also learn what aquaculture industry need as well as to	None	None		
What subjects/sessions did you enjoy least?		Blue economy	Nothing	One day my professor called me and said applied to GAIN summer school, he also said that it was a prestigious program and I could	No one	-	-	-	-	None that I was aware of	no suggestions, I really enjoyed all of it.	Process based Hand one training for participants through placement. More exercise especially in learning new software. There could have been some assignments	NA	I enjoyed the least Day 2, maybe	Every subject was high level.	Social acceptability of eco-intensified	None	None		
What other changes would you suggest for improving the course? (Including timings, venue, materials, domestics, etc.)	more interactive, and no so much formulas	It was perfect		One day my professor called me and said applied to GAIN summer school, he also said that it was a prestigious program and I could	No one	-	-	-	-	include more practical activities during the sessions	"We will reconvene in X minutes" because they probably don't know	For people not on CEST, please announce	More exercise especially in learning new software. There could have been some assignments	The summer school could have allotted more time to hands-on training	I suggest more hands-on sessions.	Every subject was high level.	Social acceptability of eco-intensified	None		
With hindsight would you still have wished to attend the training programme?	Not Sure	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
General Comment:		It was very informative, helpful and understandable		I acquired so many novel knowledge about aquaculture through this GAIN summer school and		Excellent speakers and excellent training programme		As a young graduate I think more chances for participating should be given to undergraduates or fresh graduates. I				This course exceeded my expectations of it. I thought it was a very innovative and applied way of		Excellent work done.	I enjoyed attending the summer school.	I'm really grateful to be able to join this Summer School and share the "classroom" with experts and	Congratulations!	I really enjoyed our GAIN 2021 summer school. Many thanks to Prof. Pastres and also the		