This project receives funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 773330 (GAIN)

GAIN Green Aquaculture Intensification

SUMMER SCHOOL

ECOLOGICAL TRANSITION IN AQUACULTURE

Roberto Pastres
pastres@unive.it

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GAIN: our vision

GAIN **overarching goal : promote the ecological intensification** of aquaculture in the EU and EEA.

Our vision goes **beyond sustainable intensification**, including:

increase in production volumes

higher quality of aquatic products

increase in profitability

decrease environmental load of aquaculture

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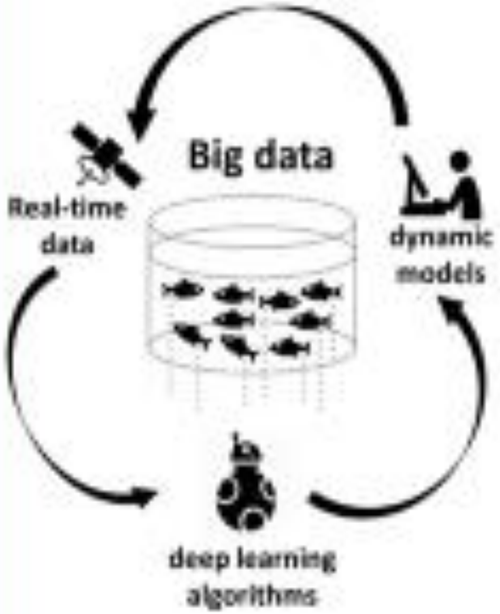
GAIN: Green Aquaculture INtensification in Europe

Precision aquaculture



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Reuse of mortalities, secondary products and waste water

- Novel feeds, including FPH
- Peptones, collagens, gelatines.
- Organic fertilizers
- RAS biofilter based on shells from shellfish canning industry

EISI

Composite Indicator:

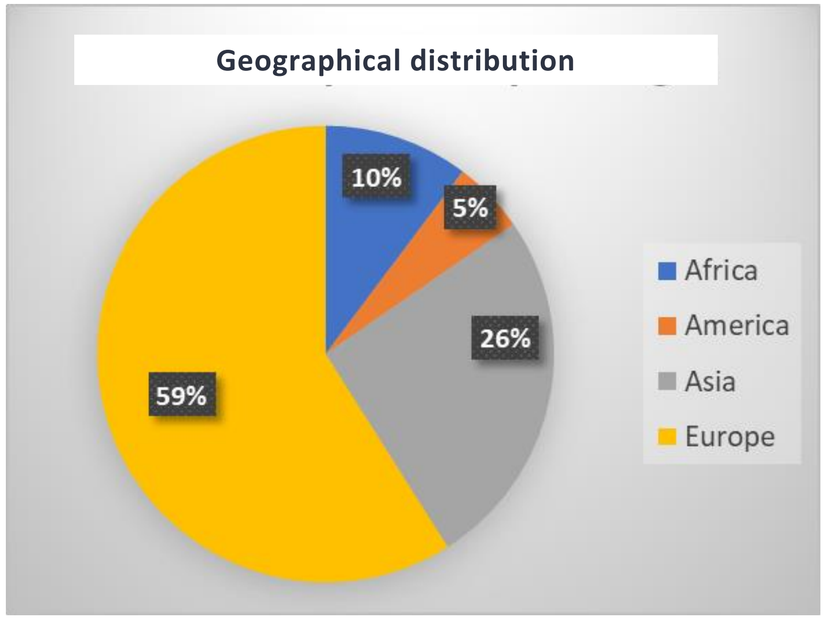
- LCA
- Fish welfare
- Socio-economic

The GAIN Summer School at a glance

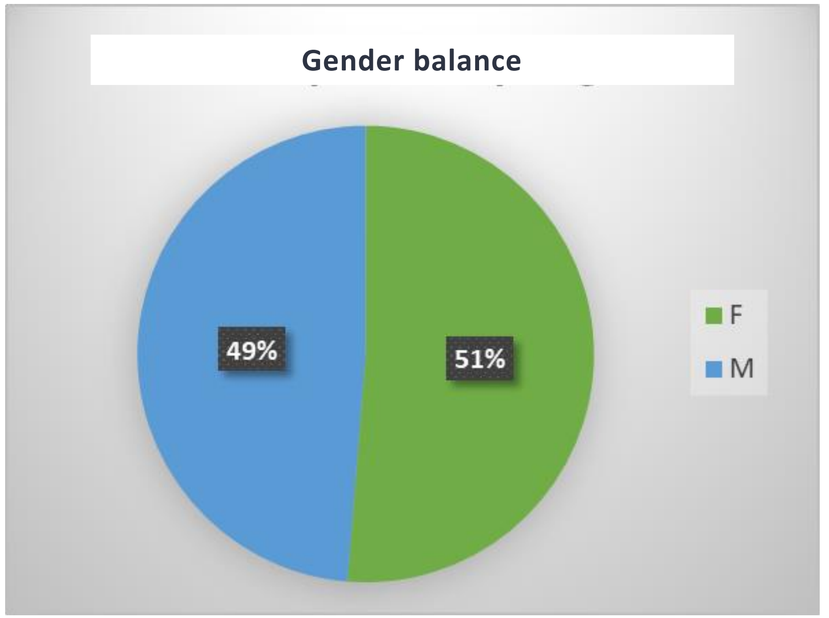
	Monday August 30th - Day 1
9.00 – 13.30	**H2020 for the Ecological Transition of Aquaculture**
14.30 – 16.30	**2 Parallel Sessions - "Virtual Happy Hour"**
	Tuesday August 31st - Day 2
9.15 – 13.30	**Precision Aquaculture and the GAIN Information Management System**
	Wednesday September 1st - Day 3
9.15 – 13.30	**Enhancing Circularity In The Aquaculture Sectors**
	Thursday September 2nd - Day 4
9.15 – 13.30	**Sustainability Assessment**
14.30 – 16.30	**LCA Hands-on session**
	Friday September 3rd - Day 5
9.15 – 13.30	**Policies and Markets - A Global Perspective**

WE HAVE A QUALIFIED, WORLDWIDE AUDIENCE!

39 Participants, from 4 continents



An optimal gender balance



Monday August 30th - Day 1 - morning H2020 for the 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 (H2020 IMPAQT)	Frank Kane Marine Institute, Ireland
10.50 - 11.20	Intelligent fish feeding through integration of enabling technologies and circular principles (H2020 iFishIENCi)	Tamàs Bardòcz AquaBioTech Group, Malta
11.20 – 11.40	Break	
11.40 - 12.10	New technologies tools and strategies for a sustainable, resilient and innovative European Aquaculture (H2020 New Tech Aqua)	Alessio Bonaldo University of Bologna, Italy
12.10 -12.40	Increasing circularity and lowering waste of Integrated Multi Trophic Aquaculture (H2020 ASTRAL)	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

Monday August 30th - Day 1 -afternoon H2020 for Ecological Transition of Aquaculture 2 Parallel sessions “Virtual Happy Hour” 3 minutes x participant		
14.30 - 16.30	Group 1. Precision Aquaculture	Chair: Roberto Pastres Ca’ Foscari University of Venice, Italy
14.30 –16.30	Group 2. Novel feeds, welfare & circular processes	Chair: Luis Conceição SPAROS - Portugal

Let us start!