



**GHENT
UNIVERSITY**



INTERNATIONAL MASTER OF SCIENCE IN HEALTH MANAGEMENT IN AQUACULTURE

Jean DHONT, Programme manager
Peter BOSSIER, Programme coordinator





Rationale

+122%

Rise in total food fish consumption
from 1990 to 2018

+14%

Rise in global capture fisheries
from 1990 to 2018

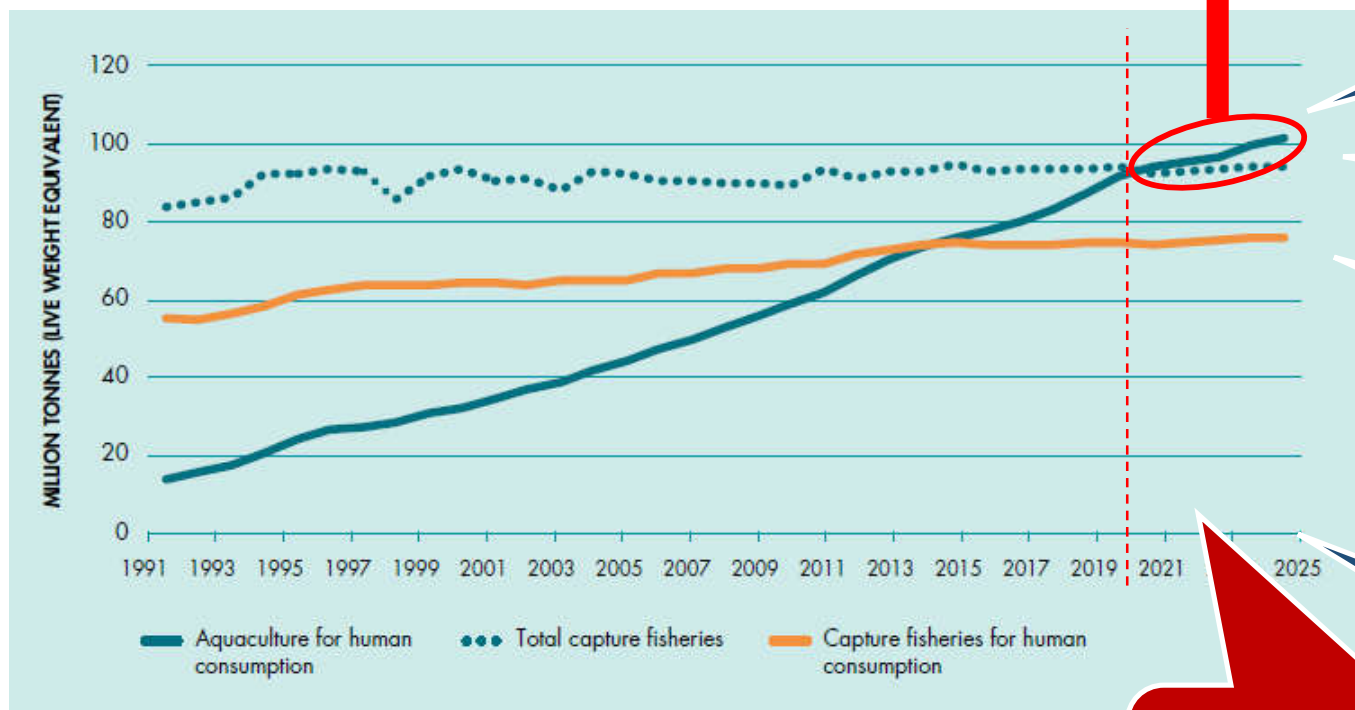
+527%

Rise in global aquaculture production
from 1990 to 2018





Rationale



CHALLENGES
to sustainable development

Environmental issues

Climate change impact

Genetics & Biodiversity

Food safety

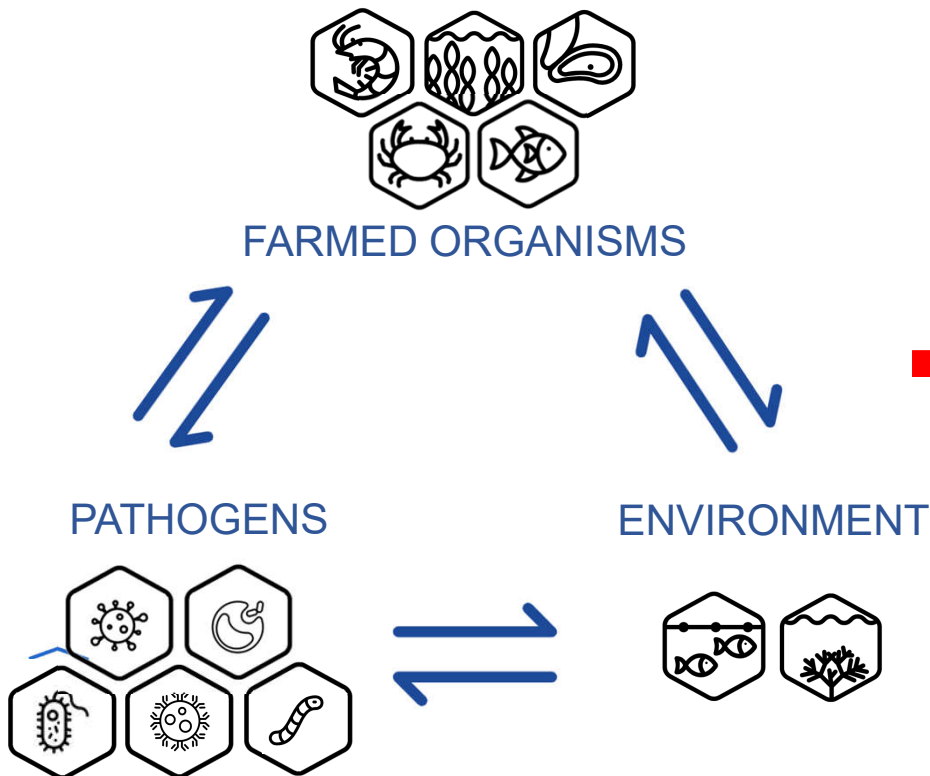
Social equity

Diseases & health issues

Programme objective

To deliver experts that can understand and control the interaction between aquaculture species and their environment in order to produce robust and healthy animals with attention for epidemiologic, environmental and welfare regulations.

INTERACTIONS



INTERVENTIONS



OUTPUT



Partners

- Ghent University (coordinator)
- the Norwegian University of Science and Technology (NTNU)
- Wageningen University (WU)
- Universitat Autònoma de Barcelona (UAB) and Universitat de Barcelona (UB)

→ relationship between the ecosystem and health

→ preventing disease and maintaining adequate health, whilst minimising the impact on the environment.

→ the relationship between animal physiology and health





- 2 year programme
- Approved in June 2020, launched in 2021-22
- Funding for 4 cohorts (2021-22 to 2024-25)
- Open to
 - ✓ BSc (180ECTS) with basic STEM qualifications
 - ✓ Good English proficiency (IELTS 6,5)
- Tuition cost: EU => 4500€ /year
 non-EU => 9000€ /year
- ERASMUS Mundus scholarships available: per year 3 EU + 19 non-EU

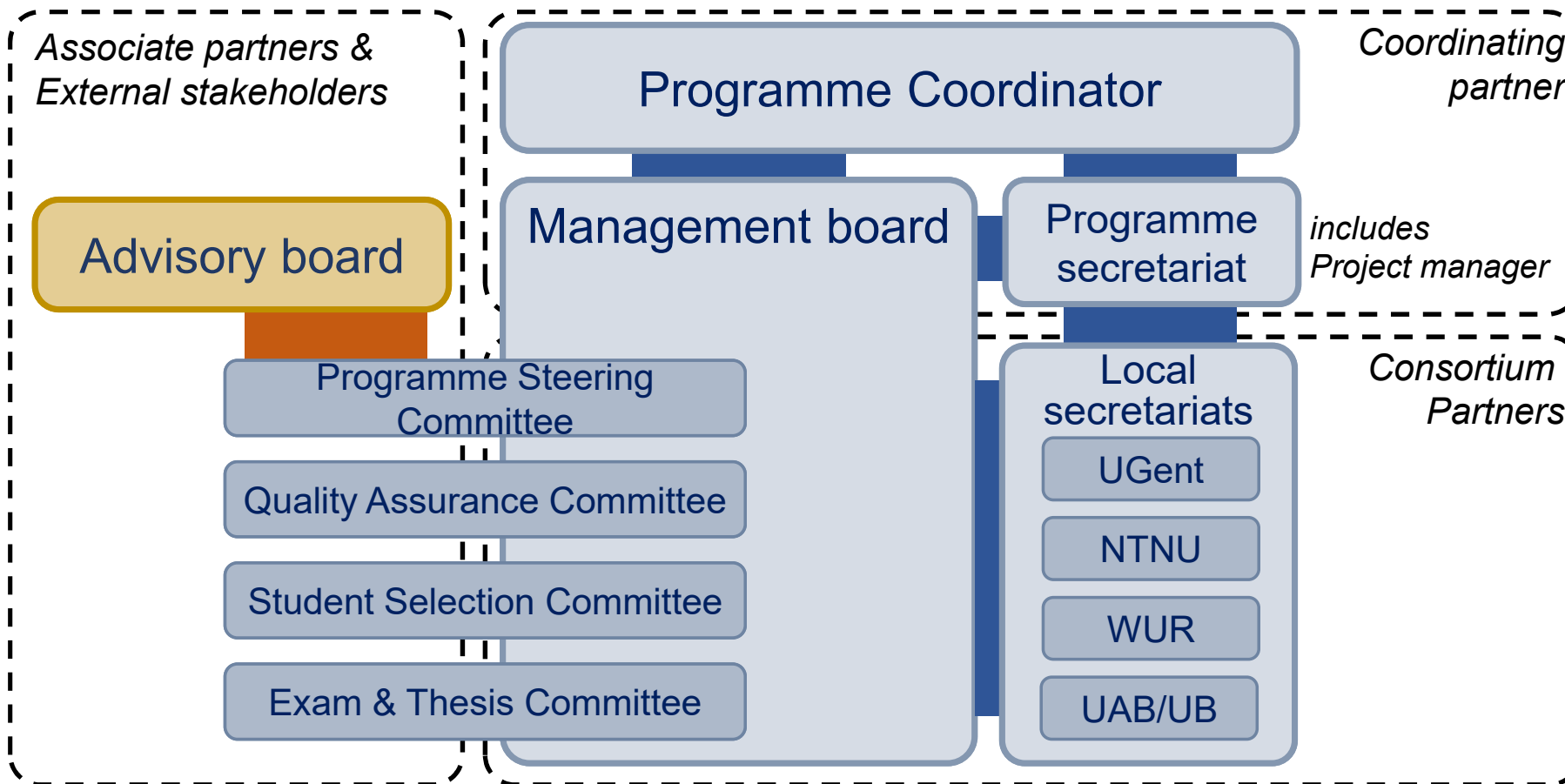


Co-funded by the
Erasmus+ Programme
of the European Union

Mobility paths

LEARNING PATH						
Sem	Relationship between the ecosystem and health		Preventing disease and maintaining adequate health, whilst minimising the impact on the environment		Relationship between animal physiology and health	
pre	Preparatory programme & Inception week					UG
1	Fundamentals of Health Management in Aquaculture (30 ECTS)					UG
2	Specialised courses (30ECTS)	NTNU	Specialised courses (30ECTS)	WU	Specialised courses (6 ECTS) Internship comprehensive (22.5ECTS)	UAB
3	Specialised courses (15ECTS) Internship (7.5ECTS) AquaHealth Club (7.5 ECTS)	NTNU	- Internship comprehensive (22.5ECTS) AquaHealth Club (7.5 ECTS)	UG NTNU UAB	Specialised courses (24ECTS) - AquaHealth Club (7.5 ECTS)	UAB
4	Thesis (30ECTS)	UG NTNU UAB	Thesis (30ECTS)	WU	Thesis (30ECTS)	UG NTNU UAB

Gent
Trondheim
Wageningen
Barcelona



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Associate partners

- Kasetsart University, Thailand
- Can Tho University, Vietnam
- Universiti Terengganu Malaysia
- WorldFish, Malaysia
- The Norwegian Veterinary Institute, Norway
- Danish Technology University, Copenhagen

Affiliate (industry) partners

- INVE Aquaculture, Belgium
- Aquaculture Stewardship Council, Netherlands/UK
- SINTEF Ocean, Norway
- Norwegian Seafood Association, Norway
- Aquatech National Centre of expertise, Norway
- ACUIPLUS, Spain
- Hendrix Genetix, Netherlands
- ...

Associate partner involvement

Gent
Trondheim
Wageningen
Barcelona

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Student recruitment

Internship hosting

Thesis research

Seminars & Guest lectures



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Applications for
2023-24 open
Oct 2022!
Check [AquaH.eu](https://www.aquah.eu)



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Internship

- Either 7,5ECTS (1 month) => in period Nov-December
- or 22,5ECTS (3 months) in period March-May or Sept-December
- Preferentially in industry, with local supervisor
- Internship report

Master thesis

- 30ECTS (full semester) in period February-June (or August)
- Public defense of thesis report



CONTACT & INFO

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www.aquah.eu

