

BLUE FOOD

GREEN SOLUTIONS

AQUA 2024

August 26-30, 2024

Bella Centre, Copenhagen, Denmark



CO-ORGANIZED BY



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BLUE FOOD, GREEN SOLUTIONS

Aquatic food is a major component of our food future, and Blue Food from all species in marine and freshwater production, is rightly in the spotlight for its potential to provide healthy, tasty and highly nutritious food for the planet.

Food systems transformation is a crucial requirement to mitigate climate impacts, reduce footprint, and offer enhanced food safety and security to billions. Aquaculture has demonstrated its resilience to change and is increasingly recognised for its environmental responsibility, reduced footprint and high efficiency in protein transformation and provision.

As our knowledge increases, so does our potential ability to offer Green Solutions throughout the aquaculture (and seafood) value chain. These solutions need not only to be financially feasible, they must also be based on the intelligent and sustainable utilisation of resources to maintain a measurable and limited footprint.

Blue Food production must grow. Green Solutions will help it to do so.

AQUA 2024 will take place from August 26-30 in the Danish capital of Copenhagen. It will comprise a scientific conference, trade exhibition, industry forums, workshops, student events and receptions. The event will highlight the latest aquaculture research and innovation to underpin continued growth of this exciting food production sector.

It will be a showcase for Denmark, and its innovation leadership in several key technologies crucial for future aquaculture, but also a meeting and exchange platform for experts from around the world.

The AQUA events are co-organised by the European Aquaculture Society (EAS) and the World Aquaculture Society (WAS) and are held every six years. Past events were held in Nice (2000), Florence (2006), Prague (2012) and Montpellier (2018).



Steering Committee

Conference Chair: Bjørn Myrseth (Vitamar), Norway
EAS Rep: Bente Torstensen, Nofima, Norway
WAS rep: Michael Schwarz, Virginia Tech, USA
Ragnar Tvetervås, University Stavanger, Norway
Kirsti Sømme, STIM, Norway

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WAS: Lorenzo Juarez, Mexico
Local: Kjell Maroni, FHF, Norway
Local: Anne Cooper, ICES, Denmark

Local Organising Committee

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Martin Winkel Lilleøre, Danish Export Association/Fish Tech
Christian Philip Unmack, Eurofish
Floor ten Hoopen, DTU, Denmark
Christian Riisager-Simonsen, DTU, Denmark
Jörn Schmidt ICES

AQUA 2024 SESSIONS AT A GLANCE BY SCHEDULED TIME

Tuesday, August 27

Ecosystems, Escapes & Non-native	10:30 – 12:30
Footprint of Aquafeed	10:30 – 12:30
Sponsor: Biomar	
Crustaceans	10:30 – 12:30
Vaccines	10:30 – 12:30
Value Chain Economics	10:30 – 12:30
Sponsor: University Stavanger	
Quantitative Atlantic Salmon Health Assessment	10:30 – 17:30
Climate Change Impacts	10:30 – 17:30
AQUA 2024 Industry Forum	10:30 – 17:30
Precision Farming	10:30 – 17:30
Welfare	10:30 – 17:30
Nutritional Requirements	10:30 – 17:30
Markets & Consumers	14:00 – 17:30
Prebiotics and Probiotics	14:00 – 17:30
Crustaceans / EURO Shrimp Forum	14:00 – 17:30
Managing Feed Intake	14:00 – 17:30
Sponsor: Biorigin	
Sustainability Indicators, Energy Use and Certification	14:00 – 17:30

Wednesday, August 28

Early Life	09:00 – 12:30
Risk Assessment for Operations	09:00 – 12:30
Alternative Ingredients & Raw Material Processing Part A ...	09:00 – 12:30
Sponsor: AQUASOJA	
Physiology	09:00 – 17:30
Environmental Impact	09:00 – 17:30
Cage Culture - Exposed & Multi-use	09:00 – 17:30
Host Resistance to Sea Lice	09:00 – 17:30
AQUA 2024 Innovation Forum	09:00 – 17:30
Microbiome & Health Management	09:00 – 17:30
Diseases	09:00 – 17:30
ASC Workshop	09:00 – 19:45
Alternative Ingredients & Raw Material Processing Part B	14:00 – 17:30
Sponsor: USSEC	
Eels	14:00 – 17:30
EAS Student Group Workshop	14:00 – 17:30
Reproduction, Broodstock Management	14:00 – 17:30

Thursday, August 29

Health - Drugs and Therapeutants	09:00 – 12:30
Governance, Policy, and Regulations	09:00 – 12:30
Society, Community and Gender	09:00 – 12:30
Parasitic Diseases including Lice and Cleaner Fish	09:00 – 12:30
Aquaponics and Biofloc Systems / Symbiotics	09:00 – 17:30
Light - and Fish - and Other Organisms	09:00 – 17:30
RAS	09:00 – 17:30
Alternative Feeds and Nutrition	09:00 – 17:30
Selective Breeding	09:00 – 17:30
Behaviour	14:00 – 17:30
Plastics & Nano Particles	14:00 – 17:30
Biosecurity, Disease Prevention	14:00 – 17:30
Macro- and Micro-algae	14:00 – 17:30
Workshop: IMTA & Low Trophic Aquaculture (NORCE)	14:00 – 17:30

Friday, August 30

Aquaculture in Food Systems and Food Security	09:00 – 11:00
Health - Immunology and Pathology	09:00 – 11:00
IMTA	09:00 – 11:00
Circular Approach	09:00 – 17:00
Plastics & Nano Particles - continued	09:00 – 17:00
Feed Additives	09:00 – 17:00
Genomics	09:00 – 17:00
Bivalve Molluscs	09:00 – 17:00
Pond Aquaculture	14:00 – 17:00
Food Safety and Health Attributes	14:00 – 17:00
Education, Training & Transfer	14:00 – 17:30

Sessions shaded in colour allow access for Trade Show visitors. All other sessions are for full conference registrations only.

Day/Time	AUD 10	AUD 11	AUD 12	AUD 15	MR 5/6/7	MR 18	MR 19	MR 173	MR 180	MR 181	F5 -Hall	Day/Time
Tue Aug 27 09:00 - 10:00	Plenary 1 and AQUA 2024 Student Spotlight Award											Tue Aug 27 09:00 - 10:00
10:30 - 12:30	Climate Change Impacts	Welfare	Nutritional Requirements	Footprint of Aquafeed (BIOMAR)	Precision Farming	Ecosystems, Escapes & Non-native	Quantitative Atlantic Salmon Health Assessment	Crustaceans	Value Chain Economics (Uni Stavanger)	Vaccines	AQUA 2024 Industry Forum	10:30 - 12:30
14:00 - 17:30				Managing Feed Intake (BIORIGIN)		Sustainability Indicators, Energy Use & Certification		Crustaceans / EURO Shrimp Forum	Markets & Consumers	Prebiotics and Probiotics		14:00 - 17:30
17:30 - 18:30	Happy Hour											17:30 - 18:30
Wed Aug 28 09:00 - 10:45	Happy Hour											Wed Aug 28 09:00 - 10:45
11:15 - 12:30	Microbiome & Health Management	Diseases	Environmental Impact	Alternative Ingredients & Raw Material Processing - A (AQUASOJA)	Cage Culture - Exposed & Multi-use	Early Life	ASC Workshop	Risk Assessment for Operations	Host Resistance to Sea Lice	Physiology	AQUA 2024 Innovation Forum	11:15 - 12:30
14:00 - 17:30				Alternative Ingredients & Raw Material Processing - B (USSEC)		Eels	EAS Student Workshop	Reproduction, Broodstock Management				14:00 - 17:30
17:30 - 18:00	Happy Hour											17:30 - 18:00
Thu Aug 29 09:00 - 10:45	Happy Hour											Thu Aug 29 09:00 - 10:45
11:15 - 12:30	Selective Breeding	Alternative Feeds and Nutrition	Health - Drugs and Therapeutics	RAS	Parasitic Diseases (incl. Lice and Cleaner Fish)		Light and Fish	Society, Community and Gender	Governance, Policy, and Regulations	Aquaponics and Biofloc Systems, Symbiotics		11:15 - 12:30
14:00 - 17:30			Behaviour		Biosecurity, Disease Prevention	Macro- and Micro-algae	Light and Other Aquaculture Organisms	Workshop: IMTA & Low Trophic Aquaculture (NORCE)	Plastics & Nano Particles			14:00 - 17:30
Fri Aug 30 09:00 - 11:00	Feed Additives	Circular Approach	Aquaculture in Food Systems and Food Security	IMTA	Bivalve Molluscs	Genomics	Health - Immunology and Pathology		Plastics & Nano Particles - cont	Nutrition Contributed		Fri Aug 30 09:00 - 11:00
11:30 - 12:30	Plenary 2 & Poster Awards											11:30 - 12:30
14:00 - 17:00	Feed Additives	Circular Approach	Food Safety and Health Attributes		Bivalve Molluscs	Genomics	Pond Aquaculture	Education, Training & Transfer	Plastics & Nano Particles - cont	Nutrition Contributed		14:00 - 17:00



AQUA 2024

August 26-30, 2024

Register online: USA – www.was.org

Return address for payments
in USD:
Conference Manager
P.O. Box 2302
Valley Center, CA 92082 USA
Email: worldaqua@was.org

Online registration is preferred at www.was.org in USD OR www.aquaeas.eu in Euros OR fax or mail both sides. Use one form per person.

PLEASE PRINT CLEARLY OR TYPE ALL REQUESTED INFORMATION

BADGE INFORMATION: (As you want your name badge to read – No titles, please)

First Name _____

SURNAME (FAMILY NAME) _____
(Limited to 40 Letters & Spaces)

Company or Institution _____

Email _____ Alternate Email _____

MAILING Postal Address _____

City _____ State / Prov _____ Postal Code _____ Country _____

Phone _____ Fax _____ Title: (circle one) Dr. Mr. Ms. Mrs.
(Include country and city code) (Include country and city code)

REGISTRATION FEES: To pay is US\$, go to www.was.org. To pay in Euro, go to www.aquaeas.org.

TYPE OF REGISTRATION FULL CONFERENCE & TRADE SHOW	Register by July 1, 2024	Register by August 1, 2024	Register after August 1, 2024	
In order to receive the Pre-Registration discount rate, this form and payment must be received by the date above				
ASSOCIATION MEMBER	<input type="checkbox"/> US\$530 / €495	<input type="checkbox"/> US\$590 / €550	<input type="checkbox"/> US\$650 / €610	* To qualify for Member Rate you <u>must</u> complete the Association Memberships section on the reverse side. • • • • • Trade Show is <u>included</u> in the Full Conference Registration Rate.
STUDENT MEMBER RATE*	<input type="checkbox"/> US\$170 / €155	<input type="checkbox"/> US\$225 / €210	<input type="checkbox"/> US\$295 / €275	
Non-Member Rate	<input type="checkbox"/> US\$630 / €590	<input type="checkbox"/> US\$690 / €650	<input type="checkbox"/> US\$750 / €710	
<input type="checkbox"/> Spouse Rate Name _____	<input type="checkbox"/> US\$420 / €390	<input type="checkbox"/> US\$520 / €490	<input type="checkbox"/> US\$520 / €490	TOTAL REGISTRATION FEE US\$/€ _____
TRADE SHOW PASS Good for 3 days admission to exhibits only – August 27, 28, 29				(Trade show pass is included with the Full Conference Registration) <input type="checkbox"/> US\$55 / €50 TOTAL TRADE SHOW PASS US\$/€ _____
TOURS https://aquaeas.org/_pdf/AQUA24_A_DTU.pdf https://aquaeas.org/_pdf/AQUA24_B_OxyGuard.pdf		https://aquaeas.org/_pdf/AQUA24_C_MAREL.pdf https://aquaeas.org/_pdf/AQUA24_D_AQUARIUM.pdf		
MEMBERSHIP DUES – Enter amount from Membership Application on other side if applicable.			TOTAL MEMBERSHIP DUES US\$/€ _____	
Do not mail registration after August 1, 2024 or fax after August 1, 2024. After August 1, 2024, bring this form with you to register at the show.			➔ TOTAL AMOUNT US\$/€ _____	

Registration Confirmation and Receipt will be emailed after processing.

CANCELLATION POLICY: Cancellation of registration must be received - in writing - no later than July 15, 2024. Refunds for registration fees will be subject to a 20% handling fee. Refunds are processed after the conference. No refund will be made for cancellations received after July 15, 2024 or for "no shows". After July 15, 2024, no refunds will be made for professional or personal emergencies, flight cancellations, denied visa, weather related cancellation or other travel emergencies. Fees for memberships are non-refundable.

PAYMENT METHOD: All fees must be paid to the order of AQUA 2024.

For bank transfer details, contact us.

☐ Check # _____ ☐ Visa ☐ Mastercard ☐ American Express ☐ Discover ☐ Diners Club

Card # _____ Expiration Date _____ Sec Code _____

Name on Card _____ Date _____ Signature _____

Credit Card Billing Address _____

Registration Form - Side 2

ASSOCIATION MEMBERSHIPS : Please check all boxes for associations of which you are a current member to receive the member rate on the registration fees. You can join an association at any time before registering to qualify for the member rate.

- | | |
|--|---|
| <input type="checkbox"/> European Aquaculture Society | <input type="checkbox"/> Latin American & Caribbean Chapter WAS |
| <input type="checkbox"/> World Aquaculture Society (WAS) | <input type="checkbox"/> US Chapter of WAS (USAS) |
| <input type="checkbox"/> Asian-Pacific Chapter WAS | <input type="checkbox"/> International Assn of Aquaculture Economics and Mgmt |
| | <input type="checkbox"/> Aquacultural Engineering Society |

MEMBERSHIP APPLICATION

☐ NEW APPLICATION

☐ RENEWAL

Join the EUROPEAN AQUACULTURE SOCIETY (EAS)!



IMPORTANT CHANGES TO REGISTRATION FOR EAS MEMBERS

- **If you are an EAS member**, you will now need to add your 4 digit EAS ID number when you register. So please have this ready with you. You can find your membership ID after logging in on your ACCOUNT on www.aquaeas.eu on the PROFILE tab (top right).
- **If you are not a current EAS member, or would like to renew your membership to get the Member rate**, please go to <https://www.aquaeas.eu/cb-registration> to join or login to the site to renew. After receiving your payment (for paid memberships) or confirmation of a free membership status (for students and retirees), you will then receive your ID number so you can register at the member rate.

If you have any questions, please contact eas@aquaeas.eu

WORLD AQUACULTURE SOCIETY (WAS) APPLICATION www.was.org

For details on the different types of memberships and options, please contact the WAS home office at

Tel: +1-225-347-5408 Fax: +1-225-347-5408 Email: judya@was.org

MEMBERSHIP CATEGORY: (Indicate only one)

- ☐ **Individual** (USD 90/yr) Applies to an individual only
- ☐ **Full Student** (USD 45/yr) Has all benefits and rights of regular membership including voting for all candidates on the ballot (Copy of Student ID or Signature of Professor required)
- ☐ **Comp Student** (No charge) Has all benefits of regular membership but voting only allowed is for the Student Director and not for the full ballot. (Copy of Student ID or Signature of Professor required)
- ☐ **Sustaining** (USD 155/yr) Applies to any one individual from a company
- ☐ **Corporate** (USD 295/yr) Allows all employees of one company to attend meeting at Member Rate
- ☐ **Lifetime** (USD 1400 with one chapter) Applies to an individual only

**Discounted rates available for individuals in countries based on World Bank List of Low Income Economies. Must sign-up on website only for this category.

Fees for memberships are non-refundable.

CHAPTER OPTIONS:

*One chapter included in membership.
Mark the chapter you choose.*

- ☐ **African Chapter**
- ☐ **Asian Pacific**
- ☐ **Korea**
- ☐ **Latin American/Caribbean**
- ☐ **United States (USAS)**
- ☐ **None** (deduct USD 5)

You can add extra Chapters for USD 5

Total Amount for WAS Membership USD _____
Please enter this amount under "Membership Dues" section on opposite side of this form.

For membership in other associations, please contact them directly.

If you need a phone number, contact the Conference Manager (+1-760-751-5005).

Show Events

INDUSTRY FORUMS

Special industry oriented sessions will be organized on the Monday and Tuesday to address industry challenges and discuss ways to overcome these. More information will be provided on the AQUA 2024 website.

SPECIAL HOTEL RATES

For hotel information please check our websites:

www.aquaeas.eu

www.was.org

When available a list of hotels will be placed on the website.

YOUR FULL CONFERENCE REGISTRATION INCLUDES:

- Admission to all sessions, seminars and the trade show.
- Admission to the Receptions.
- Conference bag and Show Directory (except for spouse).
- Refreshment Breaks and Cash Bar Happy Hour.
- Students receive the full registration package plus the Student Reception. To qualify for the student rate, a copy of your student I.D. is required.
- Only pre-registered attendees are guaranteed materials.

TOURS

TOUR REFERENCE: AQ24 A_DTU

Tour high-tech facilities at the Danish Technical University (DTU) National Food Institute – side streams and research into new ingredients from marine raw materials.

Monday, August 26. Morning. Cost: €25 per person. Maximum 30 persons.

https://aquaeas.org/_pdf/AQUA24_A_DTU.pdf

TOUR REFERENCE: AQ24 B_OXYGUARD

Visit OxyGuard International's Danish Headquarters.

Monday, August 26. Morning. Cost: €25 per person. Maximum 30 persons.

https://aquaeas.org/_pdf/AQUA24_B_OxyGuard.pdf

TOUR REFERENCE: AQ24 C_MAREL

A visit to the MAREL Progress Point global Demo Center, to see cutting-edge solutions and software for fish processing.

Monday, August 26. Morning. Cost: €25 per person. Maximum 50 persons.

https://aquaeas.org/_pdf/AQUA24_C_MAREL.pdf

TOUR REFERENCE: AQ24 D_AQUARIUM

A behind the scenes tour of the Danish National Aquarium (Den Blå Planet) – Northern Europe's largest aquarium.

Monday, August 26. Afternoon. Cost: €60 per person. Maximum 50 persons.

https://aquaeas.org/_pdf/AQUA24_D_AQUARIUM.pdf

TRADE SHOW SCHEDULE		
AUGUST 2024		
TUESDAY 27 EXHIBITS OPEN 10:00 - 18:00	WEDNESDAY 28 EXHIBITS OPEN 10:00 - 18:00	THURSDAY 29 EXHIBITS OPEN 10:30 - 16:00

For Trade Show information, contact: Mario Stael mario@marevent.com

FOR MORE INFORMATION:

AQUA 2024 Conference Manager

P.O. Box 2302 • Valley Center, CA 92082 USA

Email: worldaqua@was.org • www.was.org • www.aquaeas.org

REGISTER EARLY AND \$AVE!

TENTATIVE SCHEDULE

Monday, Aug 26

Registration Open & Exhibit Set-up	1200 - 1700
Opening ceremony.....	1800 - 1900
Welcome Drink	1900 - 2000

Tuesday, Aug 27

Registration Open	0730 - 1700
Plenary 1	0900 - 0940
Spotlight Awards.....	0940 - 1000
Break	1000 - 1030
Trade Show Open	1000 - 1800
Sessions	1030 - 1230
Lunch (at individual expense)	1230 - 1400
Sessions.....	1400 - 1730
Happy Hour & Posters.....	1730 - 1800
Student Reception	1900 - 2100

Wednesday, August 28

Registration Open	0800 - 1700
Sessions.....	0900 - 1045
Break	1045 - 1115
Trade Show Open	1000 - 1800
Sessions.....	1115 - 1230
Lunch (at individual expense).....	1230 - 1400
Sessions	1400 - 1730
Happy Hour & Posters.....	1730 - 1800
EAS General Assembly	1730 - 1830
President's Reception.....	1900 - 2200

Thursday, Aug 29

Registration Open	0800 - 1600
Sessions.....	0900 - 1045
Break	1045 - 1115
Trade Show Open	1000 - 1600
Sessions.....	1115 - 1230
Lunch (at individual expense).....	1230 - 1400
Sessions.....	1400 - 1530
Break	1530 - 1600
Sessions.....	1600 - 1730
RAZZMATAZZ session.....	1730 - 1830

Friday, Aug 30

Registration Open	0800 - 1500
Sessions.....	0900 - 1100
Break	1100 - 1130
Plenary 2	1130 - 1215
Lunch (at individual expense)	1230 - 1400
Sessions.....	1400 - 1530
Break	1530 - 1600
Sessions	1600 - 1700

