



**25**  
**FUTURE OCEAN**

**Integrating science solutions  
for society and nature**

*1st and 2nd July: Glaziers Hall*

# WELCOME TO

Future Ocean 25: Integrating science solutions for society and nature



**PROF. GRANT STENTIFORD**  
CHIEF SCIENTIST, CEFAS

“

It is our privilege to host Future Ocean 25 alongside our partners. Following on from the UN Ocean Conference, at the midway point of the UN Ocean Decade of Science, Future Ocean 25 aims to start a new conversation, brokering sector-wide discussions across government, science, industry and NGOs, around best use of scientific data and evidence to support better decision making for prosperity. Through our science capability and role as impartial adviser, Cefas is



**TIM GREEN**  
INTERIM CEO, CEFAS

committed to addressing some of the most pressing and contested issues facing our seas and the societies reliant upon them. However, the inherent complexities of balancing sustainable growth, nature protection and recovery and societal demands, needs a systems-based, sector wide, collaborative approach. We hope that the discussions over the course of the next two days will spark impactful action towards this ambition. We encourage you all to engage with the opportunities and challenges we will share together and thank you for your participation, commitment and trust.

”

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# EVENT SUMMARY

Future Ocean 25 will convene the UK's leading marine science, evidence and advice (SEA) providers and users to accelerate the transformation of science into actionable policy, supporting sustainable growth and balancing the needs of society and nature.

The event will include presentations and discussion panels from experts across a range of sectors and disciplines, as well as networking opportunities.

In parallel, there will be an opportunity for delegates to tour the Research Vessel *Cefas Endeavour* and experience first-hand current data collection and monitoring techniques, as well as potential future scientific innovations.



## CONFERENCE OVERVIEW

This event has been developed by the Centre for Environment, Fisheries and Aquaculture Science (Cefas) in partnership with the Institute of Marine Engineering, Science and Technology (IMarEST), and Seafish. Together, these organisations have developed a programme designed to engage all sectors in these important conversations.

In addition to exploring scientific transformation and innovation, Future Ocean 25 highlights the importance of partnerships and diversity in marine science.

We hope you find the event insightful, inspiring and thought-provoking.

# ON THE DAY

## VENUE INFORMATION

The conference is being hosted at:  
Glaziers Hall  
9 Montague Close  
Rotherhithe  
SE1 9DD

Additional travel information plus any further details about the venue can be found on the [Glaziers Hall website](#).

### Getting Here

- 14 different bus routes go past the venue or to London Bridge.
- London Bridge mainline train station is a two-minute walk away.
- London Bridge underground station is on the Northern and Jubilee lines.



All delegates will need to register in the Foyer **between 8:30–8:45am** on both days. The conference will begin promptly at 9:00am.



You will be given a lanyard and name badge. For security reasons, please ensure you wear this at all times. Items can be stored in the onsite cloakroom.



Refreshments will be served in the River Room prior to the start of the conference.

**At the end of the each day, please ensure that you return your lanyard and check in the following morning. At the end of Day 2, please complete the short feedback form on your name badge and then return your lanyard to the registration desk.**



Please note, the event is now at capacity. If we do not have confirmation of your attendance via the delegate form, you may be turned away at registration. If you have not yet completed a delegate form, please email [futureocean@cefas.gov.uk](mailto:futureocean@cefas.gov.uk)

# DELIVERY PARTNERS

Future Ocean 25 is being co-convened by:



At Cefas, we have a mission to support the Government's commitment to economic growth and national wellbeing, by balancing the needs of society and nature. Through our applied science, evidence and advice, we improve the marine and freshwater environment and protect the essentials of life - food, water, energy and health.



IMarEST is the global professional body for marine engineers, scientists, and technologists. With over 12,500 members in 120+ countries, it promotes marine innovation, safety, and sustainability. IMarEST supports knowledge exchange and professional standards, and holds consultative status at the IMO, bridging its technical voice, industry, and policy worldwide.



Seafish supports the UK seafood sector through research, training, and partnerships. Funded by a levy on first seafood sales, it promotes safety, responsible sourcing and efficiency. As a non-departmental public body backed by Defra and devolved governments, Seafish helps the industry tackle challenges and seize opportunities.

# SESSIONS

Both days will include presentations and discussion panels from experts across a range of sectors and disciplines, as well as networking opportunities.

**DAY 1**

**01** NATURE RECOVERY

This session explores how to use evidence effectively to reverse marine biodiversity loss. Through pre-event surveys and interactive discussions, it aims to build consensus on the evidence needed to manage marine ecosystems and drive nature recovery in the face of climate change.

**02** CLEAN ENERGY

Focusing on the transition to Net Zero, this session examines how clean energy development can align with sustainable aquatic environment management. It features expert panels on energy infrastructure, marine spatial planning and opportunities for cross-sector collaboration.

**DAY 2**

**03** WATER HEALTH

This session addresses the link between environmental and human health across catchments and coasts. Topics include wastewater management, ecosystem restoration, and integrated monitoring, with a focus on policy, innovation and community engagement.

**04** AQUATIC FOOD SECURITY

Exploring the role of aquatic foods in the UK's food system, this session identifies economic, environmental and social challenges. Delegates will help define science and evidence priorities to support sustainable, nutritious and equitable aquatic food systems.

# KEYNOTE SPEAKERS



## DAY 1: OPENING

**PROF. RACHEL MILLS**

*SENIOR VICE PRESIDENT  
KINGS COLLEGE LONDON*



## DAY 1: NATURE RECOVERY

**PROF. DAME THERESA MARTEAU**

*DIRECTOR OF BEHAVIOUR AND  
HEALTH RESEARCH  
UNIVERSITY OF CAMBRIDGE*



## DAY 1: CLEAN ENERGY

**PROF. SUSAN GOURVENEC**

*DEPUTY DIRECTOR MARINE AND  
MARITIME INSTITUTE  
UNIVERSITY OF SOUTHAMPTON*



## DAY 2: OPENING

**DR TIARA MOORE**

*CEO  
BLACK IN MARINE SCIENCE*



## DAY 2: OPENING

**DR EMMA MCKINLEY**

*RESEARCH FELLOW  
CARDIFF UNIVERSITY*



## DAY 2: WATER HEALTH

**PROF. DAVEY JONES**

*SOIL AND ENVIRONMENTAL SCIENCE  
BANGOR UNIVERSITY*



## DAY 2: AQUATIC FOOD SECURITY

**MARCUS COLEMAN**

*CHIEF EXECUTIVE OFFICER  
SEAFISH*



# DAY 1

08:30 – 09:00	Arrival and refreshments
Day 1: Opening	
09:00 – 09:05	<b>Welcome:</b> Prof. Grant Stentiford (Chief Scientist, Cefas)
09:05 - 09:15	<b>Keynote:</b> Prof. Rachel Mills (Senior Vice President, Kings College London)
09:15 - 09:20	<b>Welcome address:</b> Sally Randall (DG Environment Group, Defra)
09:20 – 10:05	<b>Defra Group panel discussion:</b> Chair: Justine Bejta (Deputy Chief Scientific Advisor, Defra) Panellists: <ul style="list-style-type: none"><li>• Prof. Grant Stentiford (Chief Scientist, Cefas)</li><li>• Aisling Lannin (Head of Evidence and Evaluation, MMO)</li><li>• Peter Brotherton (Director of Science, Natural England)</li><li>• Dave Stone (Chief Scientist, JNCC)</li><li>• Robert Bradburne (Chief Scientist, Environment Agency)</li></ul>
10:05 – 10:15	<b>Conference overview:</b> Prof. Grant Stentiford (Chief Scientist, Cefas)
Session 1: Nature Recovery	
10:15 – 10:20	<b>Introduction:</b> David Righton (Lead: Ecosystem Resilience, Cefas) and Murray Thompson (Head of Ecology and Biodiversity Science, Cefas)
10:20 – 10:35	<b>Keynote:</b> Prof. Dame Theresa Marteau (Director of the Behaviour and Health Research Unit, University of Cambridge)
10:35 – 10:50	Refreshments
10:50 – 11:40	<b>Science presentations:</b> <ul style="list-style-type: none"><li>• Prof. Michel Kaiser (Chief Scientist, Heriot-Watt University)</li><li>• Caroline Rowland (Scientific Strategic Head: Ocean, Cryosphere and Climate, Met Office)</li><li>• Richard Unsworth (Associate Prof. Biosciences, Swansea University)</li><li>• Prof. Kerry Howell (Deep Sea Ecology, University of Plymouth)</li></ul>

11:40 – 12:40	<b>Interactive panel:</b> Perspectives on the state and recovery of marine ecosystems Panellists: <ul style="list-style-type: none"><li>• Prof. Dame Theresa Marteau</li><li>• Anna Sturrock (Senior Lecturer, University of Essex)</li><li>• Prof. John Pinnegar (Lead: Climate Change, Cefas)</li><li>• Stuart Green (CEO, Blue-Green Advisors)</li><li>• Prof. Bill Sutherland (Conservation Specialist, University of Cambridge)</li></ul>	RV Cefas Endeavour tours (Register to attend)
12:40 - 13:50	<b>Listen and lunch:</b> Science Innovation Showcase <i>Starting at 13:00 in the Court Room</i>	Lunch
Session 2: Clean Energy		
13:50 - 13:55	<b>Introduction:</b> Michaela Schratzberger (Director of Environment and Energy, Cefas) and Caroline Allison (Technical and Policy Assistant, IMarEST)	
13:55 - 14:15	<b>Keynote:</b> Prof. Susan Gourvenec (Offshore Geotechnical Engineering, University of Southampton)	
14:15 - 14:55	<b>Energy Transition panel: Discussion and audience Q&amp;A</b> Chair: Andrew Gill (Principal Scientist, Cefas) Panellists: <ul style="list-style-type: none"><li>• Jennifer Gomez Molina (Co-chair of Technical Leadership Board, IMarEST)</li><li>• Prof. Deborah Greaves (Ocean Engineering, University of Plymouth)</li><li>• Prof. Feargal Brennan (Offshore Engineering, University of Strathclyde)</li></ul>	
14:55 - 15:15	Refreshments	
15:15 - 15:55	<b>Spatial Prioritisation panel: Discussion and audience Q&amp;A</b> Chair: Andrew Kenny (Principal Ecosystem Scientist, Cefas) Panellists: <ul style="list-style-type: none"><li>• Olivia Thomas (Head of Marine Planning, The Crown Estate)</li><li>• Keith Cooper (Senior Marine Ecologist, Cefas)</li><li>• Chloe Meacher (Head of Sustainability, Defra)</li></ul>	
15:55 - 16:00	<b>Session summary:</b> Michaela Schratzberger and Caroline Allison	
16:00 - 16:05	<b>Day 1 reflections:</b> Tim Green (Interim CEO, Cefas)	
16:15 - 17:15	<b>Networking session:</b> Nature Recovery and Clean Energy	
17:15 - 18:30	<b>Evening networking event:</b> Welcome by Mark Pendlington (Chair of Management Board, Cefas)	

# DAY 2

08:30 – 09:00	Arrival and refreshments		
Day 2: Opening			
09:00 – 09:10	Welcome: Prof. Grant Stentiford (Chief Scientist, Cefas)		
09:05 - 09:15	Keynote: Dr Tiara Moore (CEO, Black in Marine Science)		
09:15 - 09:25	Keynote: Dr Emma McKinley (Senior Research Fellow, Cardiff University)		
09:20 - 09:25	Welcome address: Jorge Martin-Almagro (Deputy Chief Veterinary Officer for International and Trade Affairs, Defra)		
Session 3: Water Health			
09:25 - 09:30	Introduction: Prof. David Bass (Lead: One Health Hazards, Cefas)		
09:30 - 09:45	Keynote: Prof. Davey Jones (Soil and Environmental Science, Bangor University)		
09:45 - 10:35	Session presentations and audience Q&A: <ul style="list-style-type: none"><li>Alison Debney (Wetlands Conservation Lead, ZSL)</li><li>Ruth Barden (Director of Environmental Strategy, Wessex Water)</li><li>Prof. David Bass (Lead: One Health Hazards, Cefas)</li></ul>		
10:35 - 10:55	Refreshments		
10:55 - 11:35	Catchment to Coast panel: Discussion and audience Q&A Chair: Prof David Bass (Lead: One Health Hazards, Cefas) Panellists: <ul style="list-style-type: none"><li>Nicola Rogers (Evidence and Engagement Programme Manager, Westcountry Rivers Trust)</li><li>Roger Proudfoot (Estuary and Coast Manager, Environment Agency)</li><li>Prof. Shelagh Malham (Marine Biology, Bangor University)</li><li>Carolyn Cadman (Director of Natural Resources, South West Water)</li></ul>		
11:35 - 12:30	Aspiration to Action: Advancing representation in Ocean Science	Networking session: Water Health	RV tours (Register to attend)
12:30 - 13:05	Lunch		

Session 4: Aquatic Food Security	
13:05 - 13:10	<b>Introduction:</b> Julie Bremner (Lead: Systems Monitoring and Assessment, Cefas) and Marcus Coleman (CEO, Seafish)
13:10 - 13:25	<b>Keynote:</b> Marcus Coleman (CEO, Seafish)
13:25 - 14:15	<b>Session presentations: What is preventing aquatic foods from having a seat at the food security table?</b> <ul style="list-style-type: none"><li>Melanie Siggs (Director of Strategic Engagements, Global Seafood Alliance)</li><li>Prof. Kieran Hyder (Lead: Sustainable Aquatic Food, Cefas)</li><li>Prof. Charles Tyler (Environmental Biology, University of Exeter)</li><li>Mike Cohen (CEO, The National Federation of Fishermen's Organisations)</li></ul>
14:05 - 14:15	Relocation and refreshments
14:15 - 15:10	<b>Breakout sessions: What are the opportunities for science and research to help ensure seafood fulfils its potential in the UK food mix?</b> Delegates will explore science and research responses to the challenges set out in the plenary. Attendees will propose, discuss and rank responses.
15:10 - 15:15	Relocation
15:15 - 15:40	<b>Panel and audience Q&amp;A</b> Chair: Julie Bremner (Lead: Systems Monitoring and Assessment, Cefas)
15:40 - 16:10	<b>Conference review and outcome panel:</b> Chair: Dr. Sian Limpenny (Director of Strategy and Delivery, Cefas) Panellists: <ul style="list-style-type: none"><li>Aisling Lannin (MMO)</li><li>Prof. Charles Tyler (University of Exeter)</li><li>Simon Reeve (Chair, Frontier Robotics)</li><li>Stephen Dye (Deputy Chief Scientist, Cefas)</li></ul>
16:10 - 16:15	<b>Closing comments:</b> Prof. Grant Stentiford (Chief Scientist, Cefas)

# LEARNING & NETWORKING OPPORTUNITIES

## LISTEN AND LUNCH (DAY 1, 12:40 - 13:50, COURT ROOM)

Delegates will rotate around four corners of the room. Expect lively conversation and Q&A in a relaxed setting. Talks include:

- Rebecca Lamb - *Fish on Film: REM for fisheries monitoring*
- Dr James Scott - *Edge-AI and its application to automated, real time plankton monitoring*
- Dr Vera Fonseca - *Tracking Marine Life with Molecules: eDNA for Ecosystems and Fisheries*
- Dr Joanna Murray - *From Fins to Fragments: Tracking Indonesia's Shark Trade with Eyes and eDNA*

## EVENING RECEPTION (DAY 1, 17:15 - 18:30, RIVER ROOM)

Open to all attendees, enjoy a relaxed evening to reflect, connect and network more with delegates and contributors at Future Ocean 25. Free soft drinks and canopes will be provided, plus a cash bar available.

## ASPIRATION TO ACTION (DAY 2, 11:35 - 12:30, BANQUETTING HALL)

An interactive workshop exploring how to improve ethnic diversity in marine science, hosted by Prof. Kieran Hyder (Cefas) and Dr. Chelsey Baker (NOC).

## SHOWCASE STANDS (DAY 1 AND 2, RIVER ROOM)

Drop by the showcase stands to explore innovative science and partnerships. Stands include: Centre for Environment, Fisheries and Aquaculture Science, International Programmes, Early Career Researchers, The Institute of Marine Engineering, Science and Technology, National Oceanography Centre and University of East Anglia.

# RV CEFAS ENDEAVOUR TOURS

Step aboard the 74-metre Cefas Endeavour, moored alongside HMS Belfast, for a guided tour showcasing Cefas' applied science, including latest innovation.. Explore the vessel's technology and learn how it supports work in Nature Recovery, Clean Energy, Water Health, and Aquatic Food Security.

## TOUR INFORMATION

### Tour Times:

- 1st July: 12:30 - 13:15 (last few spaces remaining)
- 2nd July: 11:55 - 12:40

### How to Book:

Spaces are limited. Email [futureocean@cefas.gov.uk](mailto:futureocean@cefas.gov.uk) or during registration on Day 1 to secure your spot.



- ▶ Please note that due to the nature of the vessel, all visitors must be capable of embarking, disembarking, and moving around the vessel without assistance. If you anticipate that this may present a challenge, please contact a member of the Cefas team at registration.
- ▶ There is also a strict policy with regards to clothing and footwear when attending the tour. The policy will have been sent to you upon confirmation of your tour and will also be available at the registration desk to view.
- ▶ If you do not adhere to these, you may not be able to board the vessel.



# FAQS

## What time should I arrive?

Registration opens at 08:30. Please arrive in time to collect your badge and be seated for the opening session by 08:55.

## Do I need to register for sessions?

Most sessions are open to all delegates, but some workshops and RV tours may require pre-registration. Please ask for more details at the registration desk.

## Is there a dress code?

Smart casual is recommended. If you are attending an RV tour please note the requirements for clothing and footwear.

## Who can I contact if I have a questions?

Visit the registration desk or speak to a member of the team wearing a purple lanyard.

## Will food and drink be provided?

Refreshments and lunch will be provided on both days. To reduce our impact and promote good sustainability practice, our catering will be entirely meat-free. Additional dietary requirements need to be pre-registered via [futureocean@cefas.co.uk](mailto:futureocean@cefas.co.uk). Please bring a water bottle.

## Is there Wi-Fi at the venue?

Yes, free Wi-Fi is available throughout Glaziers Hall. Login details will be provided on arrival.

## Can I take photos or record sessions?

Photography is welcome, but please be mindful of others and check with speakers. For security reasons, photography on the RV tours is not permitted except for in the dedicated area.

## What will be the follow up?

We will send a follow up feedback form and the session recordings. We will then aim to send a conference report in September.

# PHOTOGRAPHY AND SOCIAL MEDIA



## PHOTOGRAPHY

Please note that there will be general photo-taking and recording during the event. By taking part in this event, you grant Cefas full rights to use the images resulting from the photography/video filming, and any reproductions or adaptations of the images for publicity or other purposes. This might include (but is not limited to) the right to use them in printed and online publicity, social media and press releases. If you would prefer to not appear in photos/videos and did not indicate this on your form, please let a member of the team know upon registration.



## SOCIAL MEDIA

We will be posting on social media throughout the conference. Share your conference insights on social media using #FutureOcean2025 and tagging Cefas. Follow CefasGovUK on LinkedIn, Facebook, Instagram and X.



## SLIDO

During the conference there will be multiple opportunities to get involved including Q&As, panel discussions and feedback through Slido, with various elements being opened throughout the day. We recommend familiarising yourself with the Slido platform. You can access Slido by scanning the QR code.

**Use code:**  
**#FO25**



# THANK YOU FOR JOINING FUTURE OCEAN 25

## Get In Touch



<https://www.cefas.co.uk/future-ocean-25/>



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Centre for Environment,  
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Science