

OCEANS

CONFERENCE & EXPOSITION

2025

BREST



2021 United Nations Decade
2030 of Ocean Science
for Sustainable Development

P R O G R A M

WORKSHOP

SHIP/WHALE COLLISIONS

JUNE 16, 2025, FROM 08:30 A.M. TO 06:30 P.M.
PRELIMINARY TO IEEE "OCEANS CONFERENCE" (AT QUARTZ, **BREST**) **FRANCE**.

IEEE
Oceanic
Engineering Society



 **Greenov**
Innovate To Protect Oceans


marine technology
SOCIETY
Opportunity runs deep™

WITH THE EUROPEAN PROJECTS



SafeNav®



SEAQDETECT

Marine automated detection and anti collision system for vessels

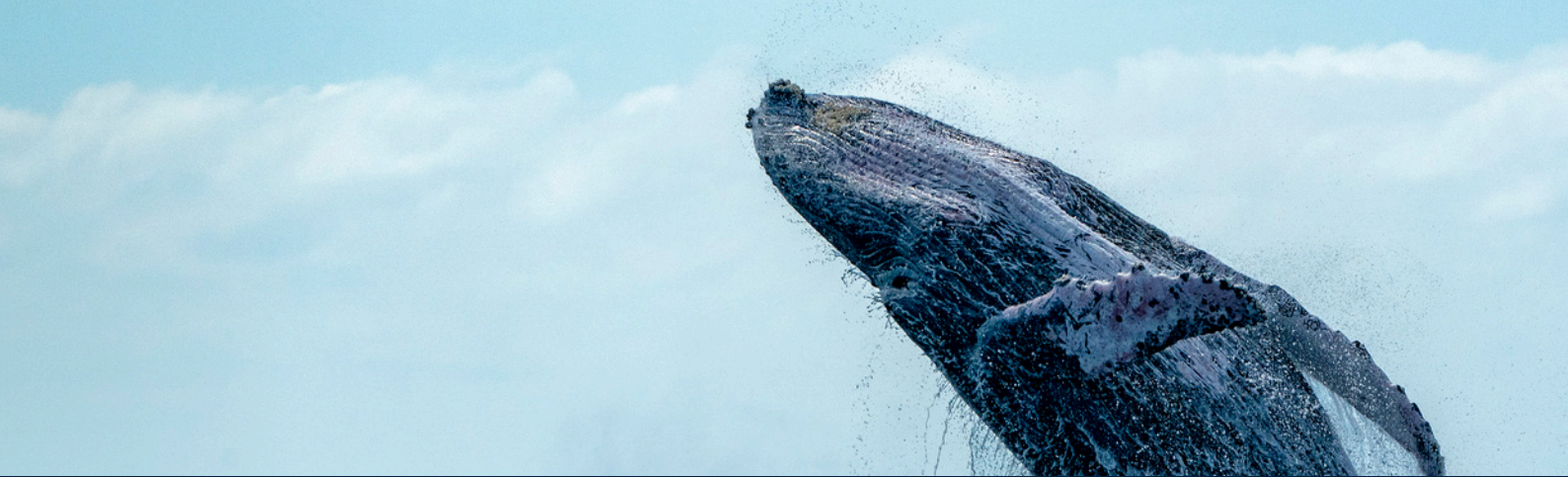
**horizon
europe**
Le programme européen
pour la recherche
et l'innovation



Program developed under the coordination of Mr. Damien Demoor, global Chairman, with the valuable collaboration of Ms. Aurore Morin, Mr. Simone Panigada, Mr. Olivier Adam, Ms. Charlotte Curé, co-Chairwomen/men as well as Mr. René Garelo, organizer of the IEEE OCEANS 2025 conference and with the support of Madam Caroline Bourgeois, manager of the workshop.

We would like to thank the partner organizations for their contribution : IEEE Oceanic Engineering Society, Marine Technology Society, GREENOV and the European projects LIFE-SEAQDETECT & HEU- SAFENAV supported by the UE .

A special thanks goes to all the speakers that will share their knowledge and expertise : Natacha Aguilar de Soto, Léa David, PELAGOS team, Damian Foxall, Romain Jan, Auriane Virgili, Nino Pierantonio, Tim Collins, Charles Mars, Rémi Emmetière, Thomas Folegot, Emily Charry Tissier, Shaban Almouahed, Fabien Demangel, Vincent Devrillon, Aurore Morin, Virgil Zetterlind, Jessica Scott, Loanne Pichot, Lucia Bergantin, Leila Fouda, Laurine Gounot & Pierre Beaufils.



WELCOME & COFFEE

OFFICIAL OPENING BY DAMIEN DEMOOR

AND GENERAL INTRODUCTION GENERAL CHAIRMAN, GREENOV

CHAIRWOMAN
AUORE MORIN
IFAW

NATACHA AGUILAR DE SOTO
IEO INSTITUTO ESPANOL DE
OCEANOGRAFIA (CSIC)

LÉA DAVID
ECO OCEAN INSTITUTE

DAMIAN FOXALL
MMAG

DR. ANNE MARIE MARC
PELAGOS SANCTUARY

CHAIRMAN
SIMONE PANIGADA
TETHYS RESEARCH INSTITUTE

TIM COLLINS
WCS WILDLIFE
CONSERVATION SOCIETY

AURIANE VIRGILI
SHARE THE OCEAN

NINO PIERANTONIO
TETHYS RESEARCH
INSTITUTE

ROMAIN JAN
GREENOV

INTRODUCTION ON COLLISIONS AT SEA AND THEIR CONSEQUENCES

Fast line to deep extinction risk

What can we learn from 83 Near Miss Events involving three cetacean species observed from ferry command deck? A Mediterranean case

Measuring the scale of collisions with marine life across the sailing sector (1818-2024)

The ongoing efforts of the Pelagos Agreement in the context of the NW Mediterranean PSSA

UNDERSTANDING THE PHENOMENA

Satellite telemetry reveals potential interactions and vessel strikes risks for migrating Indian Ocean humpback whales

Development of an encounter model to assess the risk of encountering cetaceans during offshore races

Investigating the dynamics of whale-vessel collisions through biologging and AIS data: a focus on fin whales in the north-western Mediterranean PSSA

Modeling whale acoustic reception of vessel in route for collision

COFFEE BREAK

CHAIRMAN
OLIVIER ADAM
SORBONNE UNIVERSITY

CURRENT AND INNOVATIVE CETACEAN DETECTION METHODS PART.1

CHARLES MARS
OCEANIA

RÉMI EMMETIÈRE
ALSEAMAR

THOMAS FOLEGOT
QUIET OCEANS

EMILY CHARRY TISSIER
WHALE SEEKER

Ocean watch anti-collision program - Protecting humpback whales in French Polynesia

Autonomous PAM platforms for marine mammal detection and alerting: capabilities and limitations

SEA DETECT a Passive Acoustic Monitoring system to mitigate ship strikes in the Pelagos Sanctuary

Advancing AI-Powered Marine Mammals Monitoring : Insights from Möbius, Möbius Observer, and Cetus.

LUNCH BREAK ON SITE

8:30-8:50
A.M.



8:50-9:00
A.M.

9:00-10:10
A.M.

9:10-9:25
A.M.

9:25-9:40
A.M.

9:40-9:55
A.M.

9:55-10:10
A.M.

10:10-11:20
A.M.

10:20-10:35
A.M.

10:35-10:50
A.M.

10:50-11:05
A.M.

11:05-11:20
A.M.

11:20-11:45
A.M.



11:45-12:55
A.M.-P.M.

11:55-12:10
A.M.-P.M.

12:10-12:25
P.M.

12:25-12:40
P.M.

12:40-12:55
P.M.

1:00-2:25
P.M.



CHAIRMAN
OLIVIER ADAM
SORBONNE UNIVERSITY

CURRENT AND INNOVATIVE CETACEAN DETECTION METHODS PART.2

SHABAN ALMOUAHED
SEA AI

Real-Time Whale Detection: Enhancing Marine Mammal Protection in High-Traffic Ocean Regions

FABIEN DEMANGEL
NEXVISION

Cutting edge optronics system for on board cetacean detection

LEILA FOUDA
UNIVERSITY OF NEW
BRUNSWICK

How do area-restricted dynamic ocean management measures affect risky activities in adjacent areas? A case study on whale-vessel strikes

LAURINE GOUNOT
MIRACETI

Miraceti Collisions program

PIERRE BEAUFILS
TRANSPORTS CANADA

Work in Canada on vessel strikes

JULIEN DAMERS
PIXEL SUR MER

EXOCET EXOS : Collisions avoidance device for sailing boats



COFFEE BREAK

CHAIRWOMAN
CHARLOTTE CURÉ
CEREMA

OTHER SOLUTIONS FOR COLLISION AVOIDANCE

LOANNE PICHOT
CEREMA

Experimental Evaluation of an Acoustic Alerting Signal to Reduce Humpback Whale Collisions with Vessels

AUORE MORIN
IFAW

Ship strikes and whales : preventing a collision course

VIRGIL ZETTERLIND
CONSERVE IO

WHALE ALERT - A Collaborative System for Ship Strike Reduction and Citizen Science

JESSICA SCOTT
OCEAN WISE CONSERVATION
ASSOCIATION

The Whale Report Alert System : a real time solution for preventing ships strikes

LUCIA BERGANTIN
IMT ATLANTIQUE

Artificial Potential Fields-based Whale Collision Avoidance for Competitive Sailboat Navigation

2:25-4:10
P.M

2:35-2:50
P.M

2:55-3:10
P.M

3:10-3:25
P.M

3:25-3:40
P.M

3:40-3:55
P.M

3:55-4:10
P.M

4:10-4:35
P.M



4:35-6:15
P.M

4:45-5:00
P.M

5:00-5:15
P.M

5:15-5:30
P.M

5:30-5:45
P.M

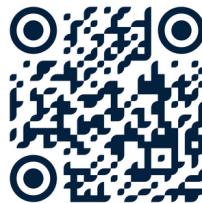
5:45-6:00
P.M

6:00-6:15
P.M

WORKSHOP CONCLUSIONS BY DAMIEN DEMOOR



AND CLOSING CHAIRMAN, GREENOV



HOW TO REGISTER?

It's super simple..

Just go to the official website of the OCEANS 2025 conference.

<https://brest25.oceansconfere.nce.org/register-now/>

Starting from €75 (includes access to the workshop, lunch, and coffee/pastry breaks).



NEED TO CONTACT US?

HAVE ANY QUESTIONS?

workshop@greenov.green

Website:
<https://lgreenov.green/>



HOW TO GET TO THE CONFERENCE?

By train :

Nantes → Brest: approximately 3h30 to 4h (usually with a connection in Rennes or Quimper)
Paris → Brest: approximately 3h45 to 4h15 by direct TGV

By car :

Nantes → Brest: approximately 3h15 to 3h30 (around 290 km)
Paris → Brest: approximately 6h to 6h30 (around 590 km)

By plane :

Paris → Nantes: approximately 1 hour flight
(+ allow 1h30 to 2h total including boarding and arrival)

BREST



PARIS

NANTES

