



**EAGE**

EUROPEAN  
ASSOCIATION OF  
GEOSCIENTISTS &  
ENGINEERS



# Third EAGE Seabed Seismic Today Workshop

**SEABED SEISMIC: EVOLUTION THROUGH INNOVATION**

24-26 NOVEMBER 2025 • MANAMA, BAHRAIN

- **First Announcement**
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## OVERVIEW

The Third EAGE Seabed Seismic Workshop reflects on the evolution of acquisition and processing through technology over the past few years, which has seen seabed seismic sought after for imaging the subsurface for field exploration and development, evergreening legacy data through velocity model building and becoming the gold standard for 4D. The workshop will look at the innovations and step-changes in design and applications that will shape the future of marine seabed seismic.

From acquisition to processing, the workshop will cover all applications and technological advances, including sources, traditional and distributed acoustic sensing (DAS), deployment innovation, novel survey designs and case studies, applications for emerging markets such as carbon storage and new processing and imaging solutions enabled by high-quality multi-component seismic data.



## TOPICS

### 1. Advances in Seabed Acquisition

- On the source side
  - Source Technology – Inc. New Source Technology, Low Frequency, Frequency Controlled, Marine Vibrators, Non-conventional/ Non-Pneumatic, Autonomous Technology, Source Steering/ Wide-Tow
  - Source Acquisition Designs – Simultaneous Shooting, Hybrid / Mixed Sources, Blended Seismic
- On the receiver side
  - Receiver Technology – Inc. New Receiver Technology, Receiver Handling, Autonomous Technology, Automation, IFQC/ML/AI for Data Harvesting and QC, Surface/vertical DAS, SPNs (Semi-Perm), PRMs, Environmental Monitoring
  - Receiver Acquisition Designs – Inc. Sparse Nodes, Innovative Geometries, Hybrid /Mixed Technology Designs, Compressive Sensing
- Case studies for Seabed Acquisition

### 2. Advances in Seabed Processing, FWI and Imaging

- Processing
  - nc. Emerging Technology and Applications for Seabed Seismic Processing and Processing Mixed Datasets Inc. DAS and OBN, Streamer and OBN.
- FWI
  - Inc. Advances in FWI, Multi-Parameter FWI, Sparse Nodes for VMB, FWI for 4D Applications and Elastic FWI, Full Waveform Impedance Inversion, FWI derived reflectivity
- Imaging
  - Inc. Migration (Inc. RTM and Least-Squares Migration), NFH Imaging, and Multiphysics Imaging
- Data
  - Inc. AI and ML in Processing and Imaging, Handling Big Data, Data Transmission and Reprocessing, Rejuvenating and Repurposing Legacy Seabed Datasets
- Case studies for Seabed Processing, Imaging and FWI

### 3. Cooperation and Collaboration between Acquisition and Processing/Imaging

- Acquisition
  - How are Advances in Seabed Acquisition influencing Seabed Processing, FWI and Imaging.
- Processing, FWI and Imaging
  - How are Advances in Seabed Processing, FWI and Imaging influencing Seabed Acquisition.

### 4. Seabed Seismic and The Future – How to Achieve the Environmental Vision

- Panel Session
  - The Path to Achieving Global Environmental Goals and Vision.
- Quick-Fire Techbyte
  - 5 minute Presentations on New / Crossover Technology
- Brainstorm Session
  - Seabed Seismic and Applications in the CCS/CCUS lifecycle “Screening, Selection, Injection, Monitoring” and Wind Farm “Feasibility and Hazard Assessment”.
- Innovation
  - Acquisition, Processing and Imaging Solutions for Alternative Markets Inc. Site Surveys, Offshore Wind, Marine Minerals, CCS/CCUS, TZ and ultra-shallow water, Co-located Fields.



Following the success of the second edition in Milan, we are thrilled to bring the Seabed Seismic Workshop to the Middle East. Join us in Manama in 2025 as we delve into the future of marine seabed seismic. Together, we'll examine our progress and anticipate what lies ahead. This conference aims to foster knowledge exchange, encourage collaboration, and collectively tackle the challenges and opportunities in seabed seismic through. We look forward to thought provoking case studies and exciting breakout sessions that will challenge and help us collectively garner solutions for the industry.

## IMPORTANT DATES

Call for Abstracts Open	1 July 2024
Call for Abstracts Close	30 April 2025
Technical Programme Available	10 June 2025
Registration Open	2 May 2025
Early Registration Deadline	12 October 2025

## SPONSORSHIP

To view the full range of sponsorship opportunities available at the event, please get in touch at [corporaterelations@eage.org](mailto:corporaterelations@eage.org)

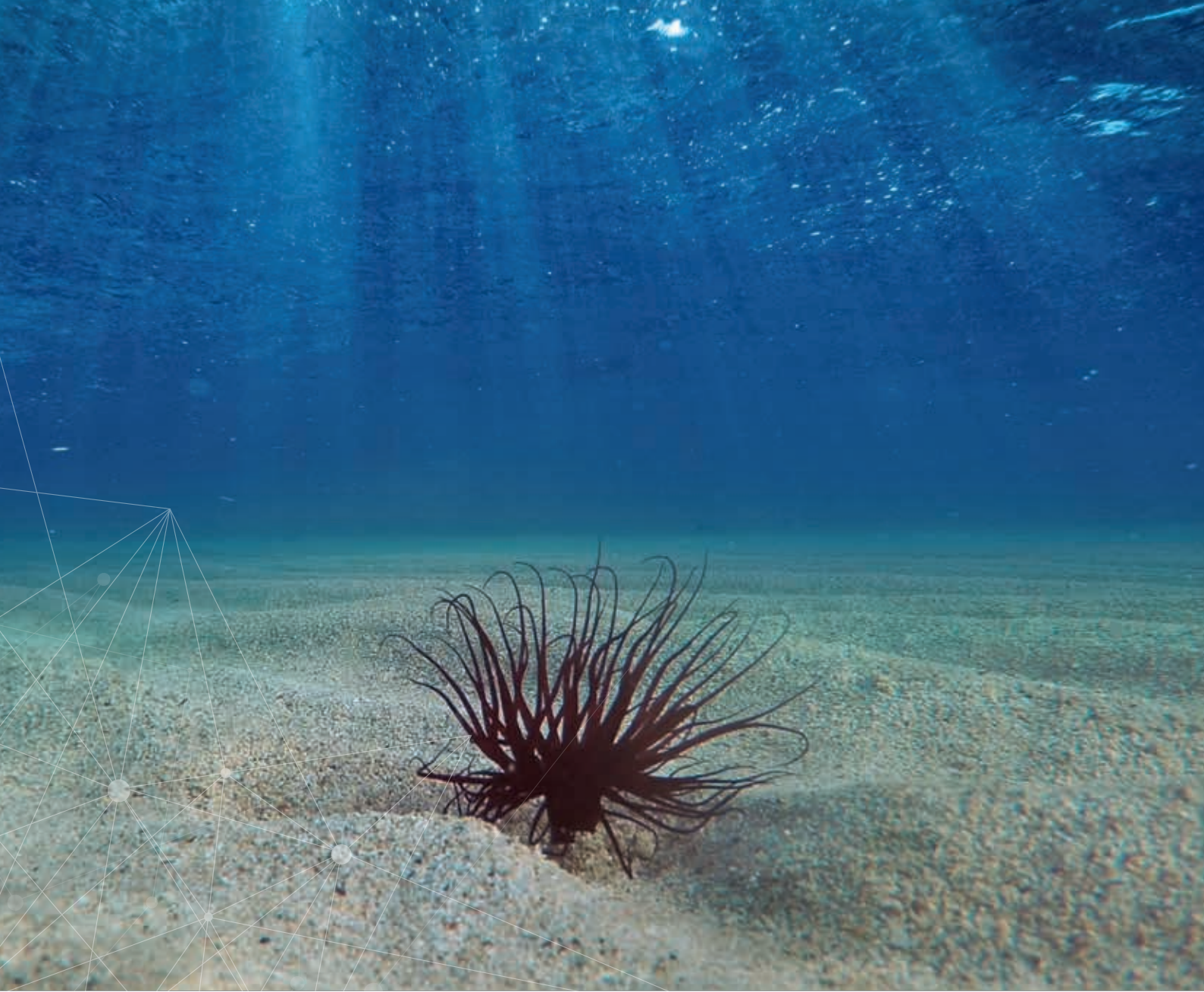


## CONTACT

For more information on the workshop, please get in touch with the EAGE MEA team via [middle\\_east@eage.org](mailto:middle_east@eage.org) or +971 4 369 3897.

## CALL FOR ABSTRACTS OPEN





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