



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. Acquisition

- Source technology – how source technology developments are improving OBS and how unconventional sources such as Marine Vibroseis can play a part.
- Receiver technology – recent advances in OBS receiver technology and operations.
- Acquisition designs – novel techniques, survey designs and hybrid technology solutions.
- Applications – 3D and 4D, passive, CCUS, TZ & marine and adaptations for sustainable energy.

2. Processing, imaging and velocity model building

- Processing solutions – a look at emerging technology and applications.
- FWI – how far FWI has come including FWI imaging, 4D FWI and elastic FWI.
- Imaging – complex imaging, shallow imaging, PS converted waves, VMB with sparse nodes and hybrid Datasets
- Data – machine learning, handling big data, data transmission, reducing processing timelines and delivering data faster.

3. Case studies – From acquisition to interpretation

- Challenges and benefits of seabed seismic for interpretation and inversion.
- Multicomponent seismic. Using all four components and the full elastic wavefield.
- 4D
- Integration of multi-physics and seabed seismic

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	19 June 2025
Technical Programme Available	24 July 2025
Registration Open	2 May2025
Early Registration Deadline	12 October 2025

SPONSORSHIP

To view the full range of sponsorship opportunities available at the event, please get in touch at ssu@eage.org.

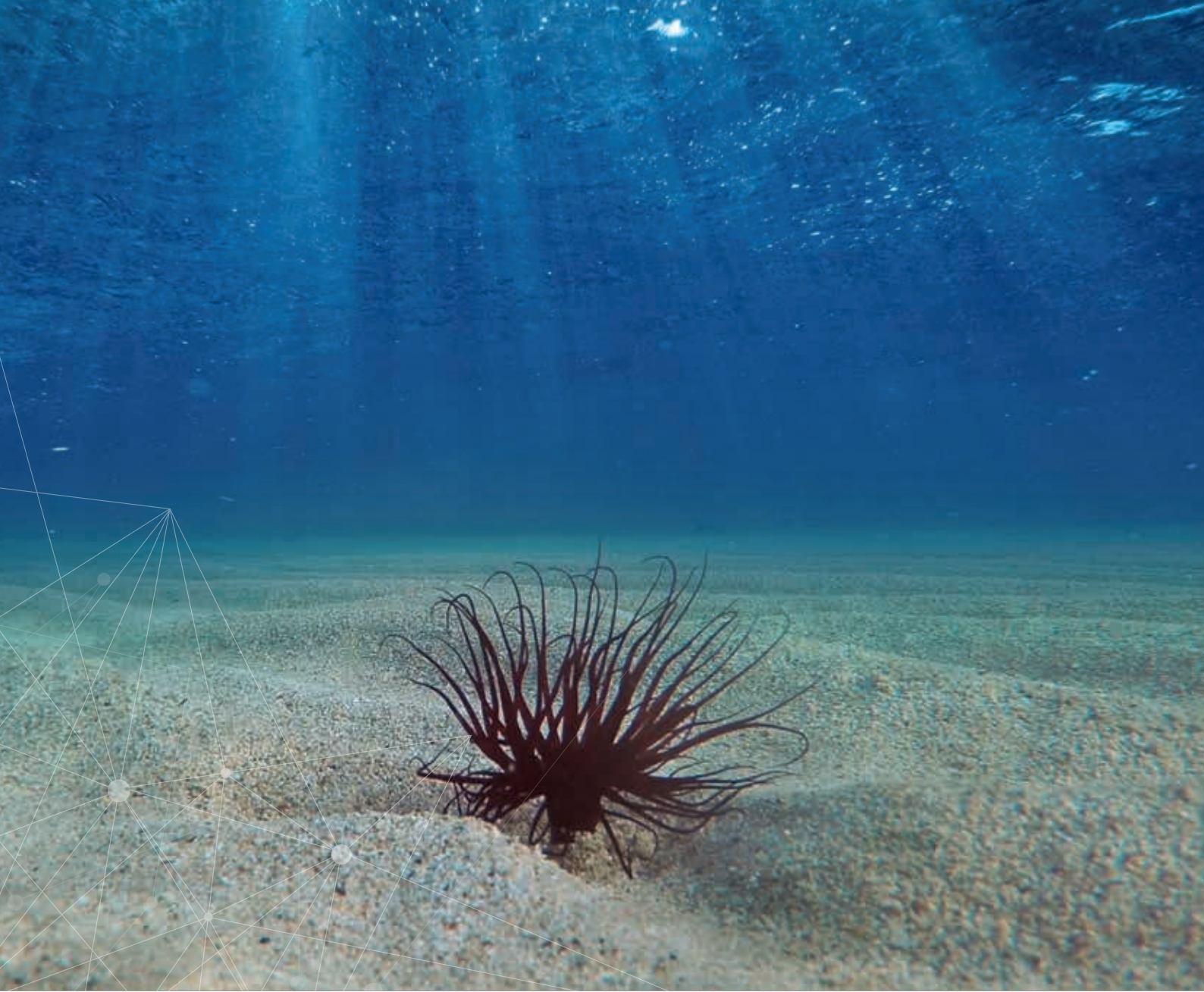


CONTACT

For more information on the workshop, please get in touch with the EAGE MEA team via middle_east@eage.org or +971 4 369 3897.

CALL FOR ABSTRACTS OPEN





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