

Applied Marine Acoustics and Signal Processing

WITH A STRONG FOCUS ON NOISE-BASED EIA



Want to improve your understanding of underwater acoustics?

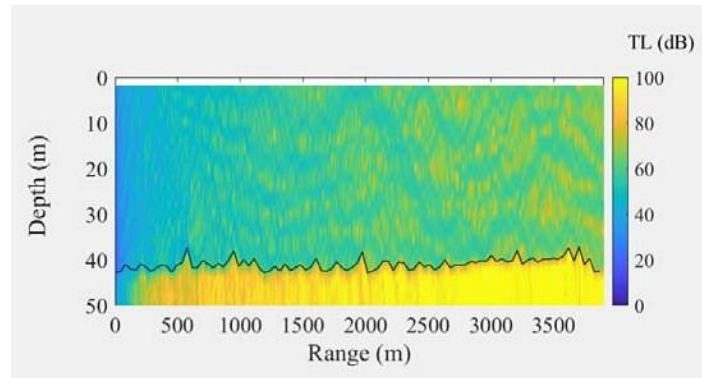
Want to critically analyse EIA noise reports?

Want to improve your data processing skills?

Need a hands-on approach?

Then this course is for you.

Acoustics in the marine domain encompasses physics, biology, chemistry, and geology. Understanding and processing relevant data from a variety of sensors helps in making regulatory and financial decisions. There is a strong need to employ an interdisciplinary and hands-on approach when working with acoustic datasets.



This course provides a unique opportunity to understand the marine acoustic environment. Developed with a strong focus on the physical principles, coupled with practical signal processing techniques, this training aims to equip delegates with the real skills and tools they can use immediately. The transferable skills are proven for both commercial and research fields. >>>

For more information: [Website: www.seiche.com/training](http://www.seiche.com/training)

[Email: training@seiche.com](mailto:training@seiche.com)





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delivered by experts

Applied Marine Acoustics and Signal Processing

ABOUT THE COURSE



The 2 day course includes a set of lectures, practical workshops and group discussions exploring marine acoustics and other signals in the marine domain.

Signal processing techniques are discussed, and a hands-on anthropogenic noise-based EIA session will help in extracting useful information.

Delegates will implement techniques learned and can employ them immediately to commercial challenges.

WHO CAN ATTEND?

Biologists, environmental consultants, contractors, engineers, enthusiasts, managers, regulators, students, and young scientists.

"Great course – will be extremely useful to me in the future. I would definitely recommend to a friend or colleague."

[Lorelei Smith, Royal Haskoning DHV \(Exeter\)](#)

"Really enjoyable course. The highest quality of content and presentation."

[Matthew Light, Aecom](#)

MODULES COVERED

- Acoustics and the ocean environment
- Sonar equation and relevant dBs
- Underwater noise sources and receivers
- Signal processing and relevant metric evaluation
- Underwater acoustic modelling
- Environmental impact assessment (EIA) of anthropogenic noise on marine life

WORKSHOPS

- dB workshop
- Signal processing workshop



PRACTICAL EXERCISES

- Source level (SL) estimation
- EIA evaluation of noise sources

For more information and to book on this course email: training@seiche.com

ABOUT SEICHE TRAINING

Seiche Training offers world-class training for individuals and companies in the UK and around the globe. Delivered by renowned university academics and experts in their field, these courses bring together the best of academia and industry.

We offer both Marine Mammal Monitoring (visual and acoustic) as well as Underwater Acoustics courses in association with the University of Bath.

Seiche Training also offers bespoke courses and in-house company training on all topics relating to Passive Acoustic Monitoring (PAM).