

Soundscapes: 2023 DOSITS Webinar Series

Characterizing underwater soundscapes on a global scale

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Webinar Outline

- What is a soundscape?
 - History of the use of soundscapes
 - [What are soundscapes? – Discovery of Sound in the Sea \(dosits.org\)](#)
 - [Modeling and Prediction of Ocean Ambient Sound – Discovery of Sound in the Sea \(dosits.org\)](#)
- Why care about the soundscape?
 - Human perspective
 - [What sounds can people hear? – Discovery of Sound in the Sea \(dosits.org\)](#)
 - [How do people and animals use sound in the sea? – Discovery of Sound in the Sea \(dosits.org\)](#)
 - [How is sound used to study coral reefs? – Discovery of Sound in the Sea \(dosits.org\)](#)
 - Animal perspective
 - [What sounds can animals hear? – Discovery of Sound in the Sea \(dosits.org\)](#)
 - [How do marine animals use sound? – Discovery of Sound in the Sea \(dosits.org\)](#)
 - [Why is sound important to marine animals? – Discovery of Sound in the Sea \(dosits.org\)](#)
 - [How do people and animals use sound in the sea? – Discovery of Sound in the Sea \(dosits.org\)](#)
 - [Marine Mammal Communication – Discovery of Sound in the Sea \(dosits.org\)](#)
- Highlights of soundscape research
 - Spatial
 - Temporal
 - Bertucci, F., Parmentier, E., Berten, L., Brooker, R. M., & Lecchini, D. (2015). Temporal and spatial comparisons of underwater sound signatures of different reef habitats in Moorea Island, French Polynesia. PLoS ONE, 10(9), e0135733.
<https://doi.org/10.1371/journal.pone.0135733>
 - Spectral
- Future soundscape outlook
 - MANTA
 - [CLO-BRP / MANTA-WIKI / wiki / Home — Bitbucket](#)
 - Soundscape Code

Additional Resources

[Introduction to Signal Levels – Discovery of Sound in the Sea \(dosits.org\)](#)

[What are common underwater sounds? – Discovery of Sound in the Sea \(dosits.org\)](#)

Jennifer L. Miksis-Olds Publications: <https://ccom.unh.edu/user/2529/publications>

Field Code Changed