

Underwater Acoustics: 2021 DOSITS Webinar Series

Noise Abatement Systems for Impact Pile-Driving - Technical options for complying with noise limits

Thursday, November 4, 2021 12pm ET

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Webinar Outline:

- General overview regarding underwater noise sources
- Focusing on impact pile-driving noise and impacts on marine mammals
- Influencing parameters of impact pile-driving
- Overview of existing and offshore reliable noise mitigation systems and noise abatement systems

DOSITS Links:

- Science of Sound > What are common underwater sounds?
<https://dosits.org/science/sounds-in-the-sea/what-are-common-underwater-sounds/>
- Science of Sound > How does sound in air differ from sound in water?
<https://dosits.org/science/sounds-in-the-sea/how-does-sound-in-air-differ-from-sound-in-water/>
- Science of Sound > Advanced Topic > Introduction to Signal Levels
<https://dosits.org/science/advanced-topics/introduction-to-signal-levels/>
- Science of Sound > Advanced Topic > Sound pressure levels and sound exposure levels
<https://dosits.org/science/advanced-topics/sound-pressure-levels-and-sound-exposure-levels/>
- Science of Sound > Advanced Topic > Propagation from a sound source array in the near field and far field
<https://dosits.org/science/advanced-topics/near-far-field-propagation/>
- Animals and Sound > Potential Effects > Anthropogenic Sound Sources
<https://dosits.org/animals/effects-of-sound/anthropogenic-sources/>
- Animals and Sound > Anthropogenic Sound Sources > Pile Driving
<https://dosits.org/animals/effects-of-sound/anthropogenic-sources/pile-driving/>
- Animals and Sound > Potential Effects MM > Behavioral Changes
<https://dosits.org/animals/effects-of-sound/potential-effects-of-sound-on-marine-mammals/behavioral-changes-in-mammals/>
- Animals and Sound > Potential Effects MM > Masking
<https://dosits.org/animals/effects-of-sound/potential-effects-of-sound-on-marine-mammals/masking-in-mammals/>
- Animals and Sound > Potential Effects > How can we moderate or eliminate the effects of human activities?
<https://dosits.org/animals/effects-of-sound/potential-effects-of-sound-on-marine-mammals/masking-in-mammals/>
- People and Sound > How is sound used to protect marine mammals?

<https://dosits.org/people-and-sound/investigate-marine-animals/how-is-sound-used-to-protect-marine-mammals/>

- People and Sound > How is sound used to research wind energy?
<https://dosits.org/people-and-sound/examine-the-earth/how-is-sound-used-to-research-wind-energy/>
- Audio Gallery > Pile-driving
<https://dosits.org/galleries/audio-gallery/anthropogenic-sounds/pile-driving/>
- Audio Gallery > Wind turbines
<https://dosits.org/galleries/audio-gallery/anthropogenic-sounds/wind-turbines/>
- Audio Gallery > Bubble curtain
<https://dosits.org/galleries/audio-gallery/anthropogenic-sounds/bubble-curtain/>
- Webinar Archive > Pile Driving/Wind Turbines
<https://dosits.org/decision-makers/webinar-series/webinars-2019/pile-turbine/>