

## Underwater Acoustics: 2021 DOSITS Webinar Series

*Passive Acoustic Monitoring Overview - Applications for marine mammals and fishes*  
Thursday, April 8, 2021 12pm ET

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### **Webinar Outline:**

- What is Passive Acoustic Monitoring (PAM)?
- Why use PAM?
- Questions to consider when using PAM for monitoring:
  1. What are your species of interest?
  2. What are your PAM recording technologies?
  3. What are your PAM system requirements?
  4. What is your PAM design?
  5. What information does your PAM provide?
    - Spatial distribution of marine mammals and fishes
    - Temporal distribution of marine mammals and fishes
    - Species ecology and soundscapes
  6. How will you report and archive your PAM data?

### **DOSITS Links:**

- Science of Sound > *What sounds can people hear?*  
<https://dosits.org/science/measurement/what-sounds-can-we-hear/>
- Science of Sound > *What sounds can animals hear?*  
<https://dosits.org/science/measurement/what-sounds-can-animals-hear/>
- Science of Sound > *How are sounds viewed and analyzed?*  
<https://dosits.org/science/measurement/how-are-sounds-viewed-and-analyzed/>
  
- Animals and Sound > *Marine Mammal Communication*  
<https://dosits.org/animals/use-of-sound/marine-mammal-communication/>
- Animals and Sound > *Marine Fish Communication*  
<https://dosits.org/animals/use-of-sound/marine-fish-communication/>
- Animals and Sound > *Potential effects of sound on marine mammals*  
<https://dosits.org/animals/effects-of-sound/potential-effects-of-sound-on-marine-mammals/>
- Animals and Sound > *Potential effects of sound on marine fishes*  
<https://dosits.org/animals/effects-of-sound/potential-effects-of-sound-on-marine-fishes/>
- Animals and Sound > *Anthropogenic Sound Sources*  
<https://dosits.org/animals/effects-of-sound/anthropogenic-sources/>
- Animals and Sound > Potential Effects > *How do you determine if a sound affects a marine animal?*  
<https://dosits.org/animals/effects-of-sound/determine-if-a-sound-affects-a-marine-animal/>
- Animals and Sound > *How do you measure a marine mammal's reaction to sound?*  
<https://dosits.org/animals/effects-of-sound/measure-marine-mammals-reaction-to-sound/>

- 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 study marine mammal distribution?*  
<https://dosits.org/people-and-sound/investigate-marine-animals/how-is-sound-used-to-study-marine-mammal-distribution/>
- People and Sound > *How is sound used to estimate marine mammal abundance?*  
<https://dosits.org/people-and-sound/investigate-marine-animals/how-is-sound-used-to-estimate-marine-mammal-abundance/>
- People and Sound > *How is acoustics used to monitor Arctic marine mammals?*  
<https://dosits.org/people-and-sound/investigate-marine-animals/how-is-acoustics-used-to-monitor-arctic-marine-mammals/>
- People and Sound > *How is sound used to study the distribution of marine fishes?*  
<https://dosits.org/people-and-sound/investigate-marine-animals/how-is-sound-used-to-study-the-distribution-of-marine-fishes/>
  
- Technology Gallery > *Archival Marine Acoustic Recording Units (ARUs)*  
<https://dosits.org/galleries/technology-gallery/observing-and-monitoring-marine-animals/archival-marine-acoustic-recording-units-arus/>
- Technology Gallery > *Real Time Passive Acoustic Recorders*  
<https://dosits.org/galleries/technology-gallery/observing-and-monitoring-marine-animals/real-time-passive-acoustic-sensors/>
- Technology Gallery > *Passive Acoustic Recording Tags*  
<https://dosits.org/galleries/technology-gallery/observing-and-monitoring-marine-animals/passive-acoustic-recording-tags/>
- Technology Gallery > *Acoustic Fish Tags*  
<https://dosits.org/galleries/technology-gallery/observing-and-monitoring-marine-animals/acoustic-fish-tags/>
- Audio Gallery > *Marine Mammals*  
<https://dosits.org/galleries/audio-gallery/marine-mammals/>
- Audio Gallery > *Fishes*  
<https://dosits.org/galleries/audio-gallery/fishes/>
  
- DOSITS Resources > *Webinar Archive: How are Passive Acoustics Data Used to Inform the Decision-Making Process?*  
<https://dosits.org/decision-makers/webinar-series/2020-webinar-series/passive-acoustics-data/>
- DOSITS Hot Topic > *Decadal Decreases in the Frequency (Pitch) of Baleen Whale Vocalizations*  
<https://dosits.org/changes-in-baleen-whale-vocalizations/>
- DOSITS Hot Topic > *Underwater Acoustic Impacts of COVID-19*  
<https://dosits.org/underwater-acoustic-impacts-of-covid-19/>
- DOSITS Hot Topic > *Passive Acoustic Monitoring Critical to Vaquita Conservation Efforts*  
<https://dosits.org/hot-topic-passive-acoustic-monitoring-critical-to-vaquita-conservation-efforts/>