Underwater Acoustics: Webinar Series for the International Regulatory Community

Webinar #5: Webinar Series Summary and Additional Questions
Thursday, June 2, 2016 at 12:00pm (US East Coast Time)

All previous webinar presenters will be online and available during the webinar:

- Dr. Kathleen Vigness-Raposa, Marine Acoustics, Inc.
- Dr. James Miller, University of Rhode Island (Ocean Engineering)
- Dr. M. Clara P. Amorim, Ispa – Instituto Universitário
- Dr. Darlene Ketten, Jefferson Science Fellow, National Academy of Sciences and U.S. Dept. of State, Harvard University Medical School, Woods Hole Oceanographic Institution
- Dr. Dorian Houser, National Marine Mammal Foundation
- Dr. Brandon Southall, Southall Environmental Associates, Inc.
- Dr. Anthony D. Hawkins, Loughine LTD, Aberdeen, UK
- Dr. Arthur N. Popper, University of Maryland & Environmental BioAoustics LLC

Webinar outline:

- Overview of webinar #5 logistics (Chris Knowlton; 5min)

- Brief summary of the DOSITS webinar series and topics covered (Kathleen Vigness-Raposa; 5 min)

- Questions/topics for further discussion (identified in advance; 35min):
    - Characterizing signal levels (review of dB peak, peak-to-peak, root-mean-square)- is it ok to use dB peak and compare them to the dB rms values when trying to determine safety zones for real time monitoring and mitigation purposes? What are the best practices? (Kathleen Vigness-Raposa)
    - Are there any legislation that put some limit on noise budgets? (Jim Miller)
    - Particle motion vs. pressure detection in marine fishes (Tony Hawkins; Clara Amorim; Arthur Popper)
    - Marine mammal studies to assess physiological stress responses (e.g. hormone concentration) to anthropogenic sound? How are these studies being used to assess behavior to noise? (Dorian Houser)
    - Scientific data about direct impact (injuries or stranding) from exposure to airgun noise sources? (Brandon Southall; Dorian Houser)
    - Expanded discussion on marine mammal behavioral response research (multivariate studies, Brandon Southall)

- Additional questions asked during this webinar (15min)