



LAMLA

Listening for Aquatic Mammals in Latin America

3rd LAMLA meeting Abstract submission form

3rd LAMLA workshop will be held in Lima, Perú, on 3rd and 4th of november, 2018

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Title : Establishment of the Underwater Acoustics Research Group, Fundación Cethus - UNTREF in Argentina

Abstract :

The Underwater Acoustics Research Group (GIAS) is an interdisciplinary group composed by biologists from Fundación Cethus, an NGO dedicated to research and conservation of cetaceans; and physicists and sound engineers from the Universidad Nacional de Tres de Febrero (UNTREF), Argentina. The aim of this group is to develop hardware and software tools to conduct underwater bioacoustics research. Among the outcomes of the group, since its inception, it can be highlighted the design and building of a hand-held broadband hydrophone with its preamplifier; a charge amplifier which conditions signals from high impedance sensors driving small current signals; and a Matlab-based semiautomatic detector and classifier of dolphin's echolocation signals. Undergoing projects include the development of a calibration system, and an autonomous acoustic platform. The purpose of this presentation is to communicate the recent establishment and outcomes of GIAS, its future directions, and seek regional collaboration among researchers in Latin America in order to strengthen the development of underwater bioacoustic research in the region.