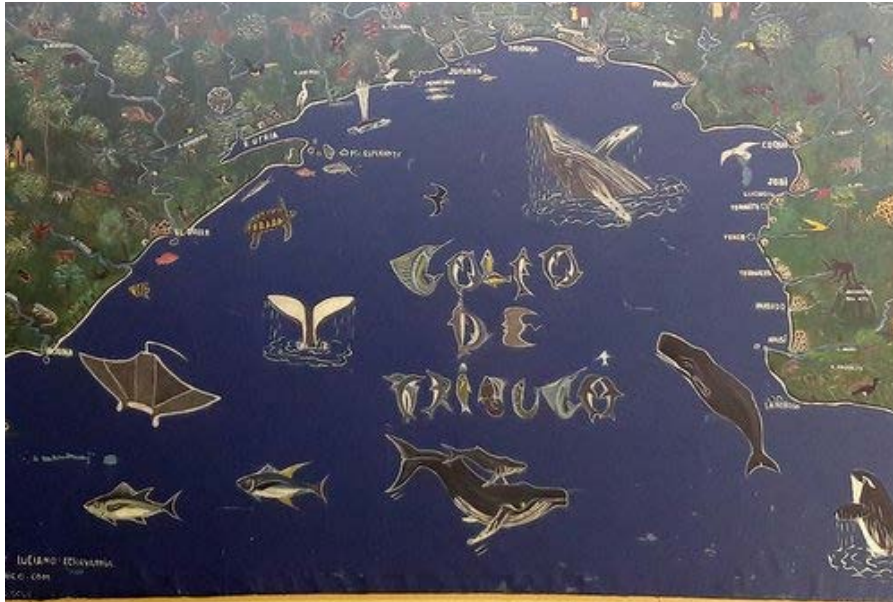


Project Update: August 2018

Timeline:

July 1st 2018- arrived at site in Coqui, Nuqui, Colombia and discussed ideal hydrophone deployment locations with local fishermen and SCUBA dive masters.



Painting of the Gulf of Tribugá as seen in the Nuqui airport. Nuqui, Coqui, and Morro Mico are of interest to this project.

July 5th 2018- met with the Los Rescales Council to ask for permission to deploy the hydrophones; built cement anchors in preparation for deployment



The group is almost finished making a 70kg anchor in its plastic washing bin mould. Dr. Kerri Seger makes sure the hydrophone (called an EAR and loaned by Oceanwide Science Institute) fits between eye bolts in the anchor while the cement is still wet.

July 10th 2018- deployed the first hydrophone at Morro Micro with help from the Kakiri Estacion de Buceo.



The group of researchers and SCUBA and boat assistants discuss the strategy they will use to safely lower a 70 kg cement anchor over the side of the boat to the ocean floor.



Christina and another diver prepare the anchor -lowering rope around the boat.



Kerri pauses at the surface with the hydrophone before bringing it underwater and attaching it to the anchor.



Valeria keeps track of the boat's position so we can return to the same spot to recover the EAR in two months.

July 15th 2018- deployed the other hydrophone off Nuqui. Now they will sit at the ocean bottom for 2 months, recording every half hour for 10 minutes.

August 11th 2018- performed a calibration circle at Morro Micro to aid in propagation analysis of sound through the waveguide in case that is of interest to us later; performed a visual line transect at Morro Micro as preparation for a future density estimation analysis of humpback whales using sound power from song.

Planned this week- calibration circle and line transect at Nuqui. Transects will occur weekly, if weather permits, throughout August and the beginning of September 2018.