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applications of hydroacoustic devices in Costa Rica

Costa Rica is bordered by the Pacific Ocean on its western side and by the Caribbean Sea on its eastern side, with a total of 1,290 km of coastline. Scientific research and monitoring of physical properties of the ocean in Costa Rica is largely done by the oceanography group of the Department of Physics (DP) at Universidad Nacional. Many of the observations are made with hydroacoustic instruments operated on either moving vessels or moored at the seabed near the coast. The DP leads hydrographic and hydrodynamic studies in coastal areas using both echosounders to create bathymetry maps and Acoustic Doppler current profilers (ADCP) to characterise the circulation and wave properties in areas of interest. This talk will describe observations and results using hydroacoutic instruments in the Pacific and Caribbean coasts of Costa Rica.

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