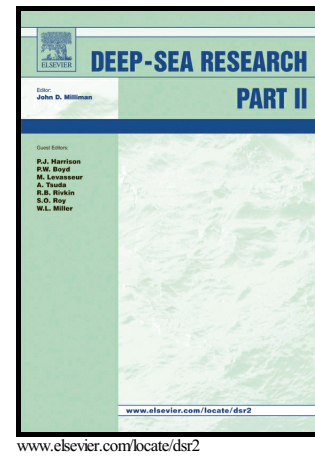


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Environmental preferences of tuna and non-tuna species associated with drifting fish aggregating devices (DFADs) in the Atlantic Ocean, ascertained through fishers' echo-sounder buoys

Jon Lopez^{1*}, Gala Moreno^{2,1}, Cleridy Lennert-Cody³, Mark Maunder³, Igor Sancristobal¹, Ainhoa Caballero¹, Laurent Dagorn⁴

¹Azti-Tecnalia. Herrera kaia, portualdea z/g, 20110, Pasaia, Spain.

²International Seafood Sustainability Foundation (ISSF), 805 15th Street NW, Washington, DC 20005, USA

³Inter-American Tropical Tuna Commission, 8901 La Jolla Shores Drive, La Jolla, CA 92037, USA

⁴Institut de Recherche pour le Développement, IRD, UMR EME 212, Avenue Jean Monnet, CS 30171, 34203 Sète Cedex, France

*corresponding author: Tel.: +34 634 209 738; fax: +34 9465472555. jlopez@azti.es

Abstract

Understanding the relationship between environmental variables and pelagic species concentrations and dynamics is helpful to improve fishery management, especially in a changing environment. Drifting fish aggregating device (DFAD)-associated tuna and non-tuna biomass data from the fishers' echo-sounder buoys operating in the Atlantic Ocean have been modelled as functions of oceanographic (Sea Surface Temperature, Chlorophyll-a, Salinity, Sea Level Anomaly, Thermocline depth and gradient, Geostrophic current, Total Current, Depth) and DFAD variables (DFAD speed, bearing

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