

**Monitoring of abundance and distribution of South Pacific Jack Mackerel (*Trachurus murphyi*) in the Northern Humboldt Current System using fishing vessels**

Salvador Peraltilla (TASA), Mariano Gutiérrez (UNFV), Anibal Aliaga (DIAMANTE), Alex Zuzunaga (COPEINCA), Edwin Yarleque (Hayduk), Emilio Mendez (AUSTRAL), Cynthia Vasquez (UNFV), Ricardo Bernal (SNP), Ulises Munaylla (SNP) & Francois Gerlotto (IREA)

**Abstract**

Since 2010 the National Fisheries Society (SNP) is conducting workshops for promoting sustainable fisheries. Main focus of this cooperative research is allocated in the knowledge and understanding of the south Pacific Jack Mackerel dynamics, through the use of information collected by the fishing fleet as a contribution to the monitoring performed by the Peruvian Marine Research Institute (IMARPE) and the South Pacific Regional Fisheries Management Organization (SPRFMO). The current abundance and population structure of this fish is a matter of deep concern and deserves close attention of the scientific community. To contribute to these efforts the results of SNP workshops are annually presented to the SPRFMO Scientific Working Group. Furthermore an Acoustic Task Group has been created after Peruvian proposals of developing methods to periodically and regionally assess the abundance, behaviour and biological aspects of this economically important specie. In Peru they are already available data and results on acoustic abundance, distribution, length structure and models for monitoring the potential habitat of the fish based on the knowledge of its biology in relation to environment features.. The aim of this innovative is to support SPRFMO efforts to recover the abundance of this fish than once sustained one of the main fisheries of the world.

**Keywords:** population, abundance, acoustics, fishing vessels, management

**Contact author:** Salvador Peraltilla Neyra, Tecnológica de Alimentos S.A. TASA, Las Begonias 441, Oficina 352, San Isidro, Lima, Perú. Phone (51) 982331753, e-mail: speraltilla@tasa.com.pe, skype: salvador.peraltilla.neyra