

5th Meeting of the Scientific Committee

Shanghai, China
23 - 28 September 2017

SC5-Doc10

Proposal for a SPRFMO task group on
Ecosystem and Habitat monitoring

IREA, Lima

- Koslow, J., Boehlert, G. W., Gordon, J. D. M., Haedrich, R. L., Lorance, P., & Parin, N. 2000. Continental slope and deep-sea fisheries: implications for a fragile ecosystem. *ICES Journal of Marine Science*, 57(3), 548-557.
- Melvin, G.D., Kloser, R., Honkalehto, T., 2016. The adaptation of acoustic data from commercial fishing vessels in resource assessment and ecosystem monitoring. *Research 178* (2016) 13–25
- Naranjo, L., Plaza, F., Yáñez, E., Barbieri, M.-A and Sánchez, F., 2015. Forecasting of jack mackerel landings in central-southern Chile through neural networks. *Fisheries Oceanography*, Vol. 24 (3): 219–228.
- Penney, A. J., Parker, S. J., & Brown, J. H. (2009). Protection measures implemented by New Zealand for vulnerable marine ecosystems in the South Pacific Ocean. *Marine Ecology Progress Series*, 397, 341-354.
- Serra, R., 1991. Some important life history aspects of the Chilean jack mackerel, *Trachurus symmetricus murphyi*. *Invest. Pesq. (Chile)* 36: 67 - 83.
- Serra, R., Glubokov, A., 2008. Population structure of the Chilean jack mackerel, *Trachurus murphyi*, in the South Pacific Ocean: full proposal for discussion for an international joint research. Draft proposal for the Jack Mackerel Sub-group of the Science Working Group (SWG), South Pacific Regional Fisheries Management Organization. Chilean jack mackerel workshop, CHJMWS pap #23
- C. Silva, C., Barbieri, M.-A., Yáñez, E., Gutiérrez-Estrada, J.C. and DelValls, T.A., 2012. Using indicators and models for an ecosystem approach to fisheries and aquaculture management: anchovy fishery and pacific oyster culture - cases studies in Chile. *Lat. Am. J. Aquat. Res.*, 40 (4): 955-969.
- Silva, C., Andrade, I., Yáñez, E., Hormazábal, S., Barbieri, M.-A., Aranís, A., and Böhm, G., 2016. Predicting habitat suitability and geographic distribution of anchovy (*Engraulis ringens*) due to climate change in the coastal areas off Chile. *Progress in Oceanography* 146:159-174. ISI: 3,512.
- SPRFMO, 2008. Report of the South Pacific Regional Fisheries Management Organization Chilean Jack Mackerel Workshop, 30 June–4 July 2008, Santiago, Chile: 00.-SPRFMO-JM-2008-WORKSHOP-REPORT-FINAL-6: 70 p.
- Vásquez S., Sepúlveda A., Salas C., Núñez S., 2016. Biophysical modelling to assess population connectivity and inter-annual variability in the recruitment patterns of jack mackerel in the southeastern Pacific Comm. 4th SPRFMO Scientific Committee meeting *SC-04-INF 40 pages*
- Yáñez, E., Barbieri, M.-A. and Santillán, L., . 1992. Long-term environmental variability and pelagic fisheries in Talcahuano, Chile. *In: Benguela Trophic Functioning*. Payne, A.I.L., Brink, K.H., Mann, K.H. and R. Hilborn Eds). *S. Afr. J. mar. Sci.* 12: 175-188.
- Yáñez, E., Hormazábal, S., Silva, C., Montecinos, A., Barbieri, M.-A., Valdenegro, A., Ordenes, A., and Gómez, F., 2008. Coupling between the environment and the pelagic resources exploited off North Chile: ecosystem indicators and a conceptual model. *Lat. Am. J. Aquat. Res.*, 36(2): 159-181.
- Zwolinski, J. P., and Demer, D. A. 2012. A cold oceanographic regime with high exploitation rates in the Northeast Pacific forecasts a collapse of the sardine stock. *Proceedings of the National Academy of Sciences*, 109: 4175–4180.
- Zwolinski, J. P., Emmett, R. L., and Demer, D. A. 2010. Predicting habitat to optimize sampling of Pacific sardine (*Sardinops sagax*). *ICES Journal of Marine Science*, 68: 867–879.