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Data exchanges with other organizations

The SIOFA Secretariat

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Abstract

In 2024, data have been exchanged with IOTC and CCAMLR. The Secretariat asked for bycatch data from IOTC to prepare an updated paper on bycatch to SC10. SIOFA and CCAMLR shared data related to toothfish tagging, and CCAMLR helped to identify several historical operations in SIOFA, from which 3 historical datasets could be retrieved and added to the SIOFA databases.

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Data exchanges with other organizations

Introduction

This paper provides a summary of the scientific data exchanges with other organizations, such exchanges complement the data collected in SIOFA.

In 2024, exchanges with 2 organizations occurred: IOTC and CCAMLR.

IOTC has a very large overlapping area with IOTC (but different species mandates) where IOTC vessels, operating in the high sea, can catch SIOFA species which are recorded as bycatch in IOTC.

CCAMLR is a bordering organization, and an arrangement is in place to facilitate data exchange. The Patagonian Toothfish (*Dissostichus sp.*) stocks are spread across the organisations' area. Toothfish tagging information is exchanged on a regular since a couple of year.

In 2024, SC9 also identified that several historical operations occurred in SIOFA, and tags released but were not recorded in SIOFA databases.

Methods

The Secretariat liaised with the staff in charge of the relevant data in IOTC and CCAMLR.

IOTC provided a dataset with all catch recorded in their databases that overlap the high-seas. The dataset contained IOTC species and all other species. The catch data was provided in ton, by year, 1°-square (plus information on its overlap percentage with SIOFA), fishing flag, main gear and species code (or group code).

The Secretariat obtained a summary of activities that occurred in SIOFA and that were recorded in CCAMLR databases. Inquiries were made to the parties that provided this data to CCAMLR for recollecting this data.

The Secretariat provided the information about the CCAMLR tags recaptured in SIOFA, and CCAMLR provided the information on the corresponding releases made in CCAMLR, using its tag linking algorithm. The Secretariat also provided the information of all tags released in its area to enable CCAMLR to retrieve information if some SIOFA tags were to be recaptured in CCAMLR.

Results

Regarding IOTC:

- IOTC data has been used to produce an update to the paper about IOTC bycatch in the SIOFA area (ref paper SC-10-30).

Regarding CCAMLR:

- Several historical operations have been conducted in the SIOFA area and that were not recorded in the SIOFA databases. These operations have been conducted by 2 non-contracting parties (NCP) and one Contracting Party (CP) all using demersal longlines. Thanks to the CCAMLR data team, 3 datasets could be retrieved:

Dataset#	Data provider	Number of operations in SIOFA (sets)	Tags
263	Ukraine	10	-
264	Uruguay	11	60 releases
270	Japan	60	1 recapture

- Tagging information was also exchanged and updated in 2024. It allowed to identify several new tags that were released and recaptured. The toothfish fisheries summary paper summarize the tags' recaptures information (ref paper SC-10-18)

Conclusions

Several historical data records could be added to the database thanks to the collaboration with CCAMLR, more Patagonian Toothfish tags could be linked.

CCPs are encouraged to continue to provide information on past activities in the SIOFA area that may be not recorded in SIOFA databases and direct the Secretariat to recollect them as long as possible.