

Description of fisheries

The French fleet operating in the SIOFA area is the same than in the French EEZ in the CCAMLR area. They operate under the French Territories flag. Their activities do not concern the EU reglementation.

The French vessel currently fish in this area since many years on the way back from Kerguelen or Crozet Islands to the landing port in the Reunion Island. From 1979 to 1998 the fleet was mainly compose by trawling vessels . Since 1998, the fleet switch from trawling to longline activities. This last decade seven French longliner operate in the CCAMLR and French Territory EEZ. Those vessels using automatic bottom longlines are able to stop in the SIOFA area.

Table 1. Number of vessel and days per year from to 2010 to 2015

	2010	2011	2012	2013	2014	2015
Number of boat	2	2	2	2	2	2
Number of day	13	30	21	40	31	22

Catch, effort and CPUE summaries

Each year this last decade, one or two boat stop in the south part of the SIOFA area, in the north of Crozet Islands (Del Cano ridge and sapmer bank). They spent in total 15 to 40 days per year to fish in the SIOFA zone.

The catches concern Patagonian toothfish, Blue antimora, *Macrourus* spp. and rays. The second species is not landed.

Table 2. Catches (tones) per year for main species *Dissostichus eleginoides*, *Antimora rostrata*, *Macrourus* spp., Rays and divers.

	<i>D. eleginoides</i>	<i>A. rostrata</i>	<i>Macrourus</i> spp.	Rays	Divers
2010	11	17	10	1	0
2011	22	29	12	7	0
2012	18	12	7	12	0
2013	16	44	19	5	1
2014	14	38	12	4	3
2015	17	34	19	0	0

Fisheries data collection

The fishing observer program is the same than in the French EEZ in the CCAMLR zone. The vessel follow the same rules than those request by CCAMLR.

There is a fishing observer on each vessel. They register all the capture in kg and number of target species and by-catch on each line. The captain register catch on effort in an electronic logbook provided by Museum national d’Histoire naturelle (MNHN) of Paris.

All the data are computerized on board in a dedicated software. At the end of the cruise, all the data are registered at MNHN and are integrated in the French global southern oversea fisheries database supported by Oracle@.

VME Thresholds

A study is conducted in the SIOFA area to control the impact of the fisheries on the marine habitat. Some new protocol will be apply to follow and identify VME impact.

Another study is conduct to study and proposesome potential protecting marine area around Kerguelen and Crozet Islands.

Biological sampling and length/age composition of catches

Biological sampling is done on each line. 25% of the line is 100% observed. Length and weight of target species are collected. Pictures and tissues samples (for DNA studies) are done when necessary.

Description of data verification mechanisms

The data are sent by fishing observer to MNHN on a weekly basis for controlling. Pictures and email are exchanged day to day when necessary. At the end of each cruise data are cross checked with the landing certification, the captain logbook and the fishing observer database.

Summary of observer and port sampling programs

The fishing observer are selected on scientific and technical backgrounds and trained at the MNHN and at the French Territory administration for the legal procedures.

All fishing observer receive security information and scientific courses. They are training to computerize the data.