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Summary of Korean fisheries data in SIOFA area

Relates to agenda item: 7   Working paper ☒   info paper ☐

Delegation of Republic of Korea

Abstract

This report describes the status of the Korean fisheries data collection and types of data to be provided.

Summary of Korean fisheries data in SIOFA area

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1. Status of data collection

Korea has been fishing in the SIOFA area since 1999. The data recorded before 2009 were required to be reported by each fishing day rather than by each haul. In terms of position data, longitudinal and latitudinal information, by resolution of degrees and minutes, of the mean position of that fishing day was reported. An aggregated daily catch and effort data were reported. Reporting the catch of target species was considered as priority, and the dominant case was to have no reporting of bycatch. The effort data of trawlers and longliners were set as the tow time and the number of hooks, respectively; however, daily effort information was often omitted in the reporting.

As with the enforcement of the domestic law on fishing in the high seas, in 2009, improvements were made on the fisheries data. It was requested that the data, including position, catch, and effort, must be collected by each haul. Additionally, the law defined 50 % of observer coverage, and collection of data for the impact assessment for bottom fishing was implemented. And Korea has been applying an electronic reporting system on all vessels since September 2015.

2. Data to be provided

Factors of the historical catch data before 2009 considerably differ from those collected between 2000 and 2015 in the SIOFA area by Korea (Table1). Korea is in the process of reviewing the data to address and is planning a submission of verified catch, effort, and observer data by 31st January 2018 in accordance with CMM 2016/02.

Table 1. List of factors which Korea is able to provide (2000-2015)

Data Set	Factors	Periods	
		2000-2008	2009-2015
Fishing activities			
General	Vessel flag State	✔	✔
	Name of vessel	✔	✔
	International radio call sign	✔	✔
	Vessel Registration number	✔	✔
	Lloy's/IMO/HIS Fairplay Number	✔	✔
	Vessel size : Gross Tonnage	✔	✔
	Name of person filling in the data		✔
Weight Conversion Factor	Species	✔	✔
	Product type		✔
	Conversion factor		✔
Haul Information	Intended Target species	✔	✔
	Type of fishing (C); (R); (S)	✔	✔
	Haul ID number		✔
Set Start date and Time	Start fishing Date (YYYY.MON.DD)	✔	✔
	Time (hh.mm)		✔
Position at start and end of fishing	Latitude (-DD for south)	✔	✔
	Latitude minutes and fraction of minutes (MM.mm)	✔	✔
	Longitude (DD for east or -DD for west)	✔	✔
	Longitude minutes and fraction of minutes (MM.mm)	✔	✔
Bottom depth	Bottom depth (m)		✔
Fishing/gear depth	Fishing depth (m)		✔
	End fishing Date (YYYY.MON.DD)		✔
	Time (hh.mm)		✔
	Latitude (-DD for south)		✔
	Latitude minutes and fraction of minutes (MM.mm)		✔
	Longitude (DD for east or -DD for west)		✔
	Longitude minutes and fraction of minutes (MM.mm)		✔
	Bottom depth (m)		✔
	Fishing depth (m)		✔
Species retained	Species code		✔
	Retained live weight (kg)		✔
Species discarded	Discarded live weight (kg)		✔
Gear			
Trawl	Mesh size (mm)		✔
	Trawl technique		
	Type of trawl: (S)ingle, (D)ouble or (T)riple	✔	✔
Longline	Type of longline (Spanish, Trotline, Autoline)		✔
	Type of bait		
	Hook size (mm)		
	Hook code or make		
	Hook spacing (cm)		
	Length of line (m)		✔

Number of hooks set		✔
Number of hooks per cluster (if Trotline)		
Number of hooks lost (attached to lost sections of line)		✔