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Korea's Data Collection and Processing for

Distant-Water Tuna Fisheries

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There are two systems for the collection of Korean tuna fisheries data. The first system has been maintained by the Korean Deep-Sea Fisheries Association to collect total catch by species. All Korean distant-water fishing vessels report their catch records in terms of weight by species to their companies once a week or at 10-day intervals. The Association compiles the data by month and by FAO fishing area to submit to the Ministry of Maritime Affairs and Fisheries (MOMAF) for the final review and publication. The catch statistics have been published for official use annually by both the Association and MOMAF.

The second data collection system is to sample catch and effort data based on the logbooks. Distant-water fishing vessels have to submit the reports of their fishing operations within 30 days (home-based) or 60 days (foreign-based) after completion of their operations to the National Fisheries Research and Development Institute (NFRDI). The purpose of data collection from fishing vessels is to monitor the trends in catch, effort, and fishing area by gear type and by species and is to use the data in stock assessments of tunas. Fisheries data to be reported from fishing vessels are as follows;

- For longline fishery, catches should be reported in kg and number of fish caught by species and efforts in number of hooks used.
- For purse seine fishery, catches in metric tones by species and efforts in number of sets are included.
- longline data are compiled in $5^{o} \times 5^{o}$ statistical block and purse seine data in $1^{o} \times 1^{o}$ statistical block.
- Additionally, the information on by-catches, discards and tags found from catches, if any, are reported.

Korea's data processing of fisheries in EPO from 1987 to 2002
1. calculate the catch coverage of EPO
   - sampled Pacific catches by NFRDI / total Pacific catches(MOMAF) X 100
2. calculate total catch of each species by dividing sampled EPO catch by coverage for every

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year.

Korea's data processing of fisheries in EPO in 2003 and later

MOMAF data of EPO was reported from 2003 year and calculated total catch of each species by dividing sampled EPO catch(NFRDI) are raised to total EPO catches(MOMAF) as 100 % coverage.