



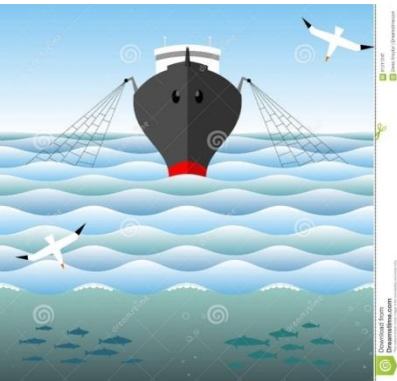
NPFC, 2021



NPFC-2022-TWG CMSA05-IP02

Review of chub mackerel fishery in China and research activities

China



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1. Introduction



Chub mackerel (*Scomber japonicus*) widely distributes in the Pacific Ocean.

Specially, the North Pacific Ocean and East China Sea are both important fishing ground areas for this population.



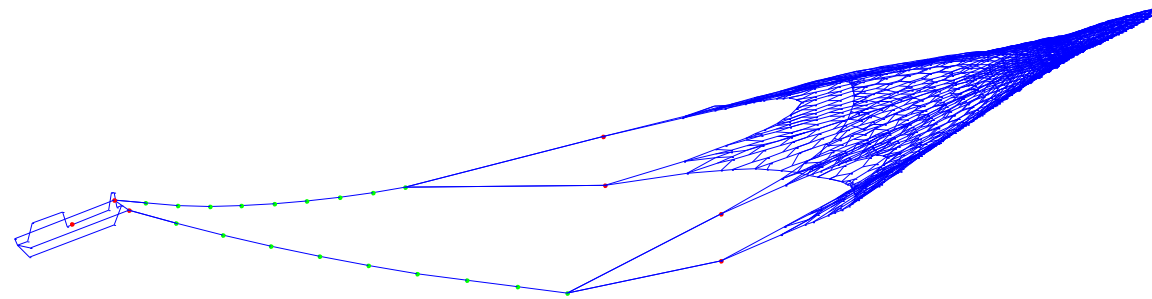


light-purse seine

Now, Two types of fishing nets operated in this fishery including the light-purse seine nets(>97%) and pelagic trawl nets(<3%).

Trawl nets — **Pelagic trawling**

From one to three trawl vessels were operated in NPFC areas, every year. In 2021, Three vessels seasonally catch the chub mackerel fishery in the NPFC areas.



2. Description of chub mackerel fishery in China in North Pacific ocean

Fishing effort and catch

Catch in metric ton				
Year	China			
	Total	Purse seine	Pelagic trawl	
		CA	NW	CA
2021	108,266	95,621	0	12,645

Number of vessels			
Year	China		
	Purse seine	Pelagic trawl	
	CA	NW	CA
2021	105	0	3

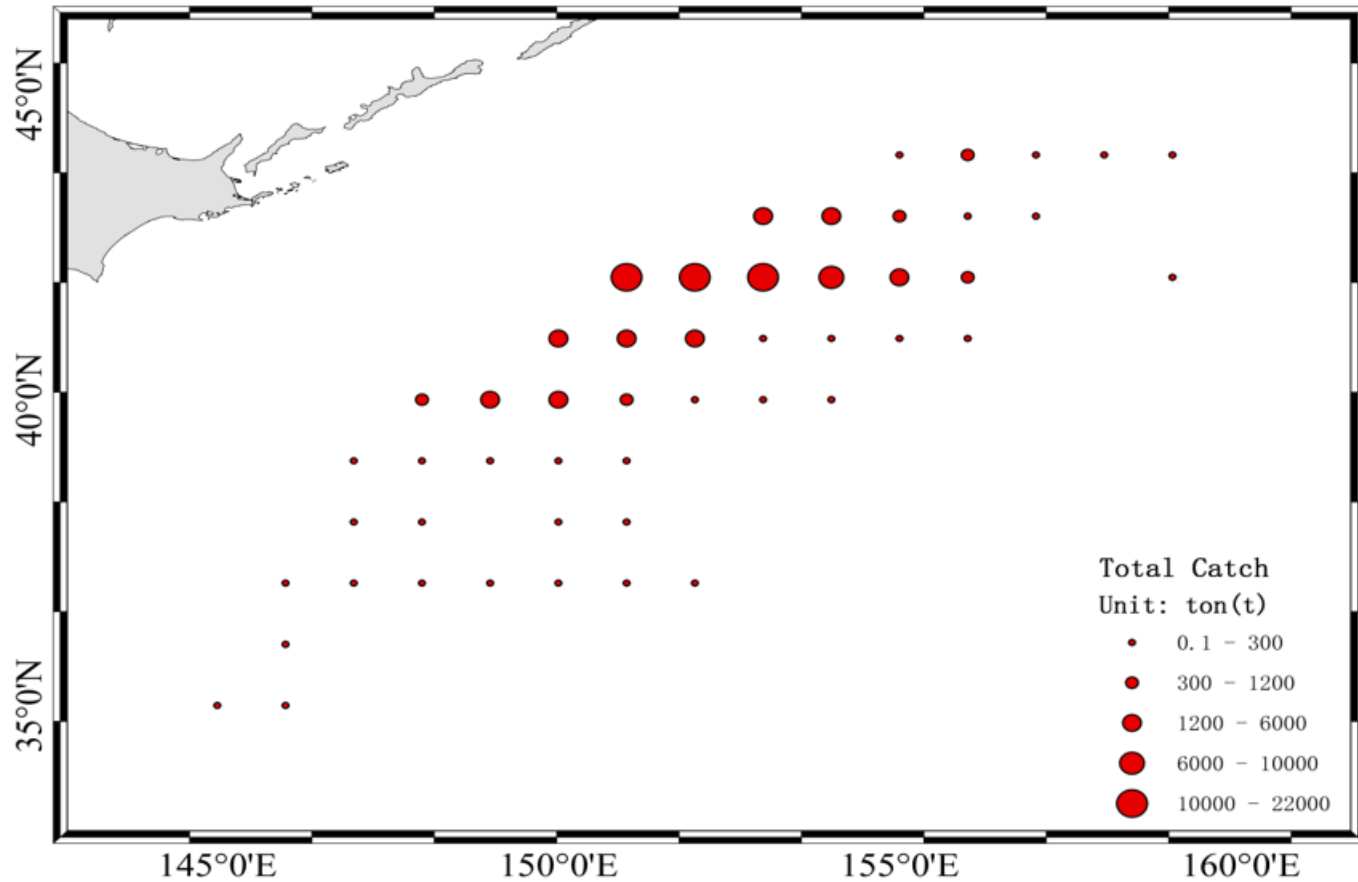
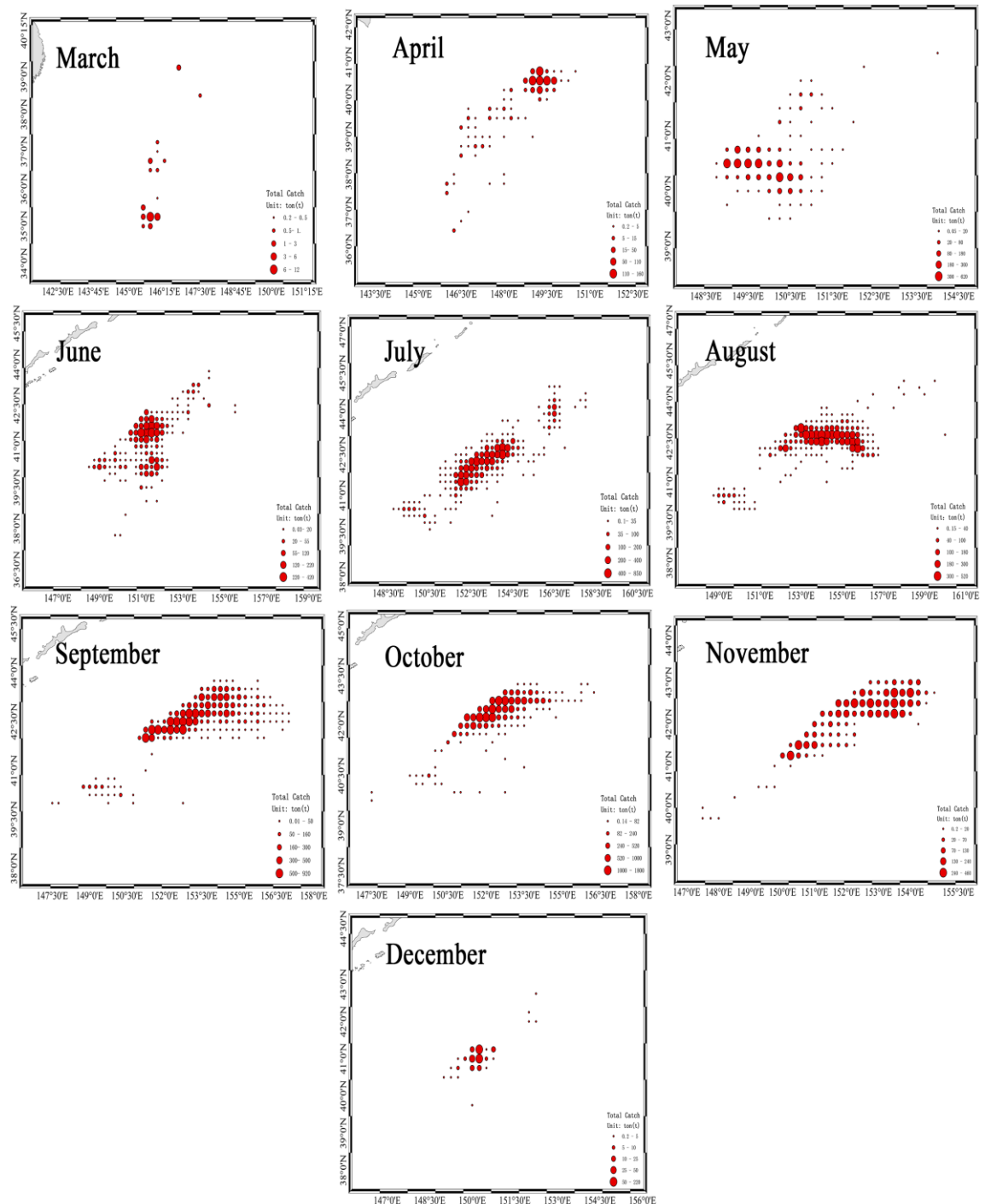


Figure Distribution on the catch (tons) of chub mackerel in China in 2021

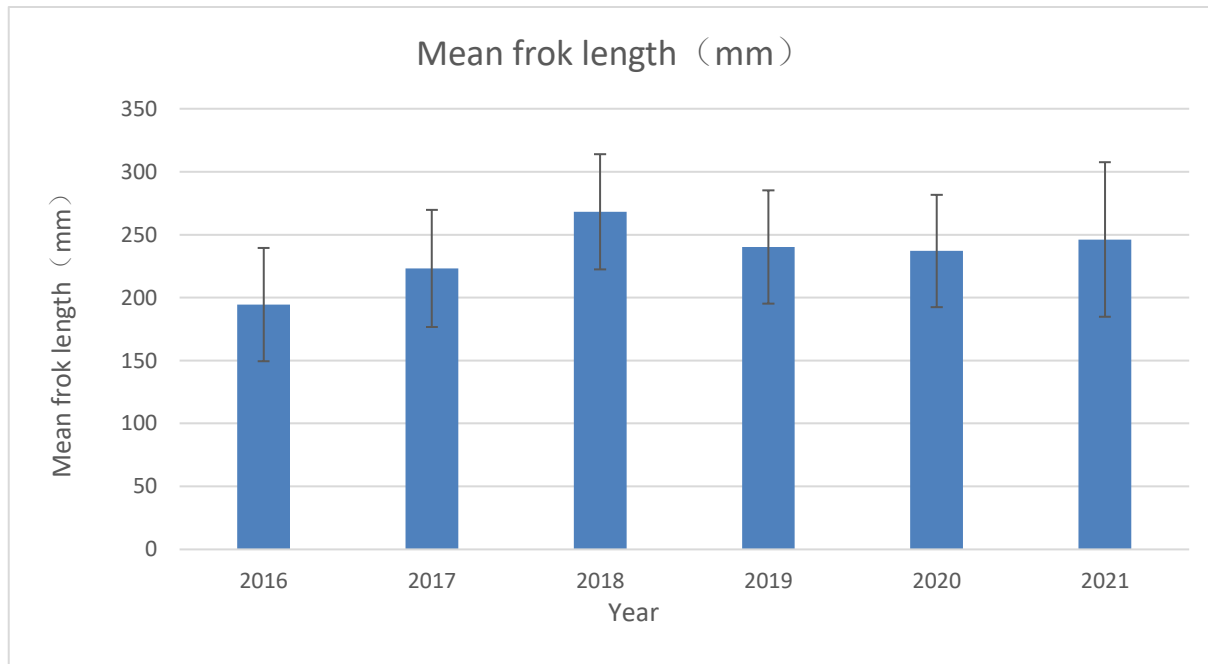
Distribution on the monthly catch of chub mackerel in China in 2021



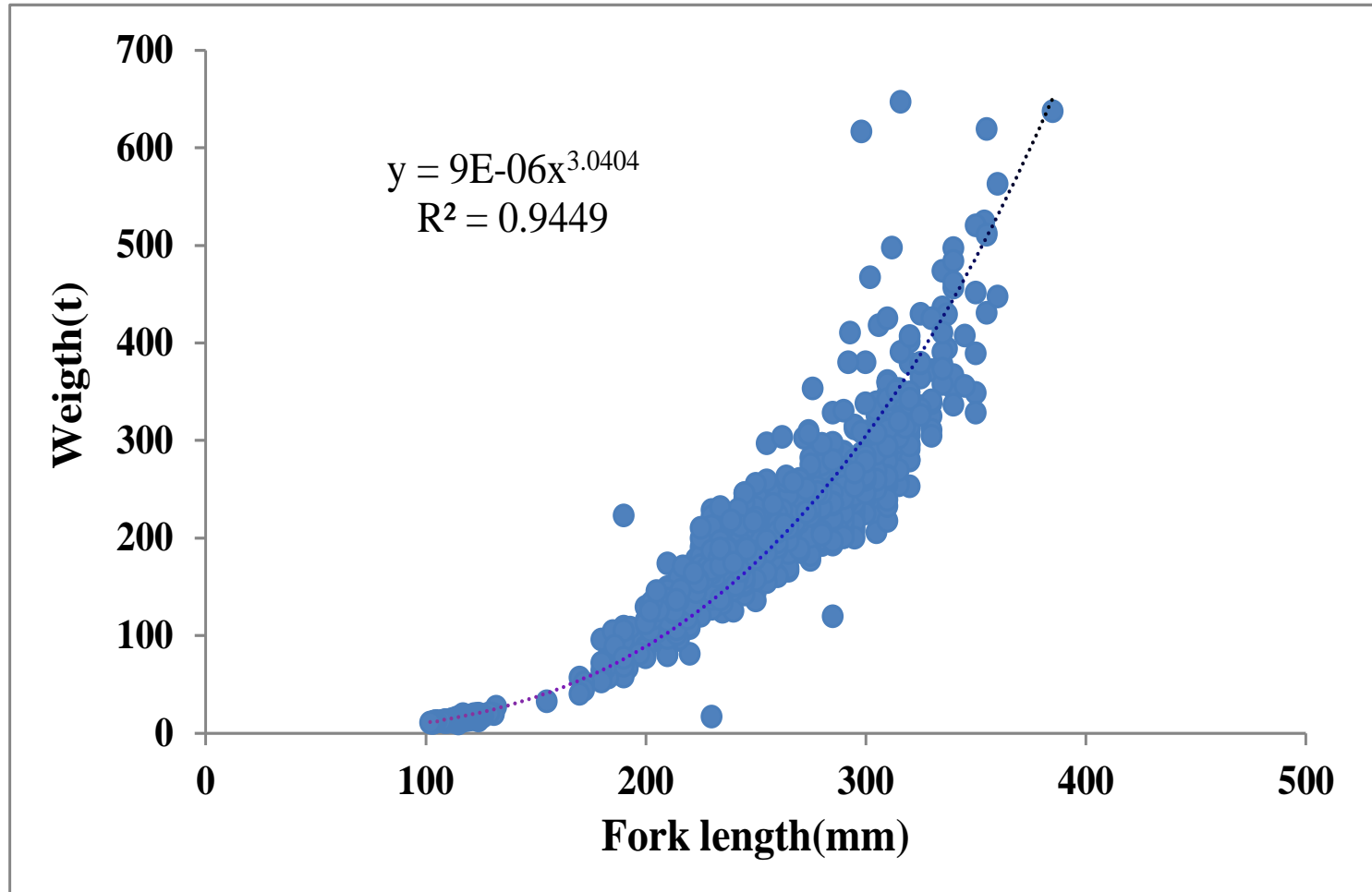
3. Fisheries data collection and research activities

- Population biology

In 2021 the average length was 246.1cm. It can be seen that the average fork length presents a trend of gradual increase to stability in 2016-2021.

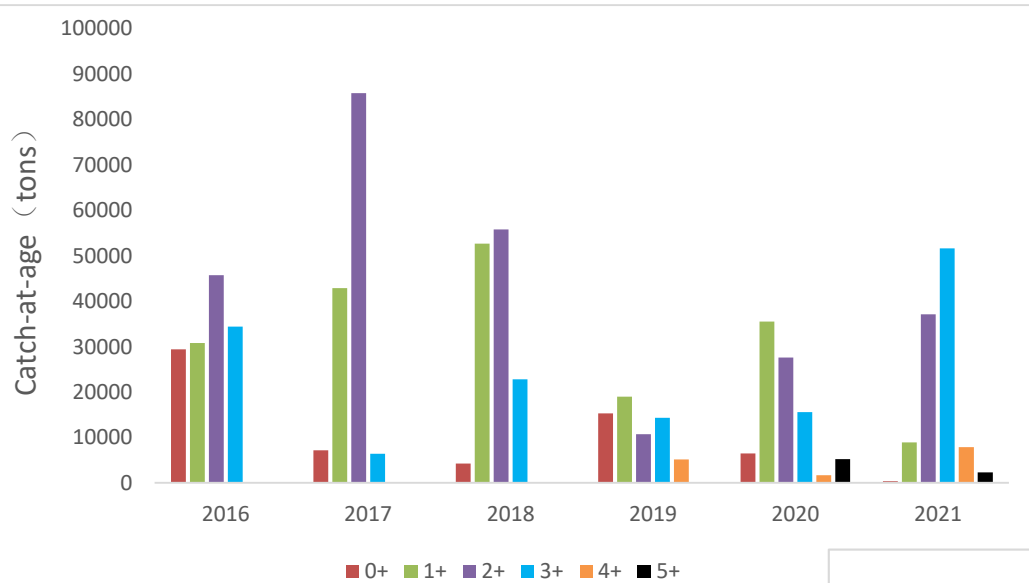


- Relation between weight and fork length

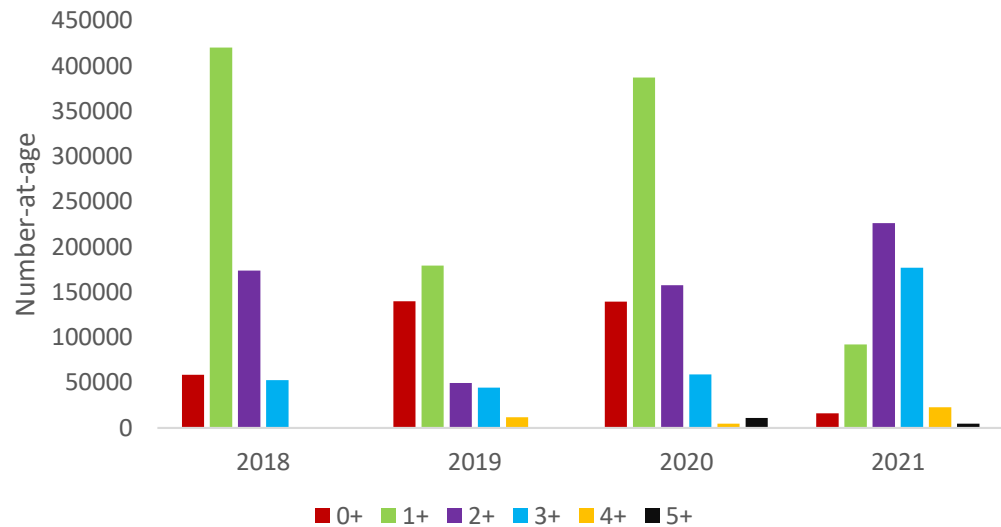


Length-weight relationship of China' chub mackerel in 2021 (n=795)

Catch or number at age



In 2021, the main individuals at age was 2+ and 3+



Research activities and training

- ◆ Collection and analysis of fishing logbooks every year
- ◆ Research Specialist Staff went to fishing vessels or in the ports to collect the samples data



Research activities and training



Training fisheries knowledge for fishermen and enterprises.

• Thank you very much!

