



Food and Agriculture
Organization of the
United Nations

Marine Fishery Development and User Rights Management in Jimo

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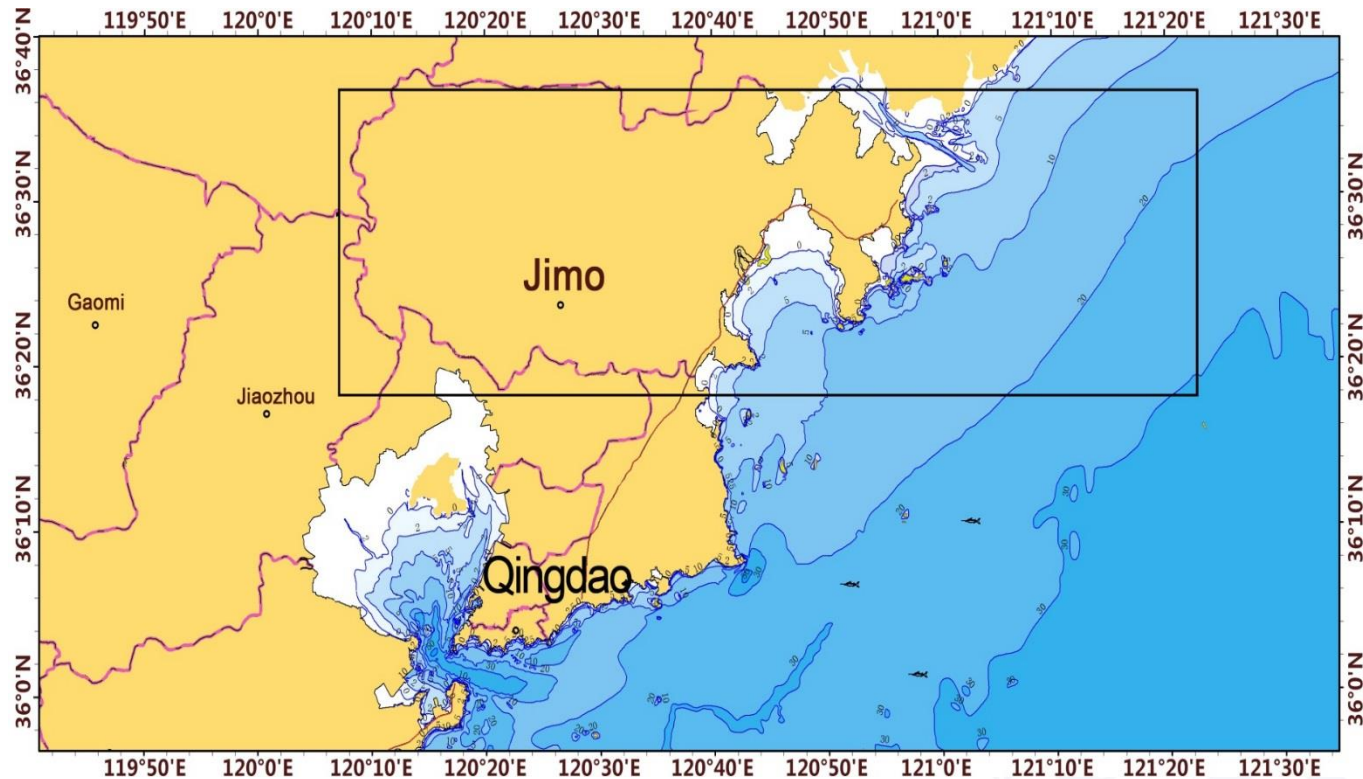
1 Introduction

2 Development of the marine fishery in Jimo

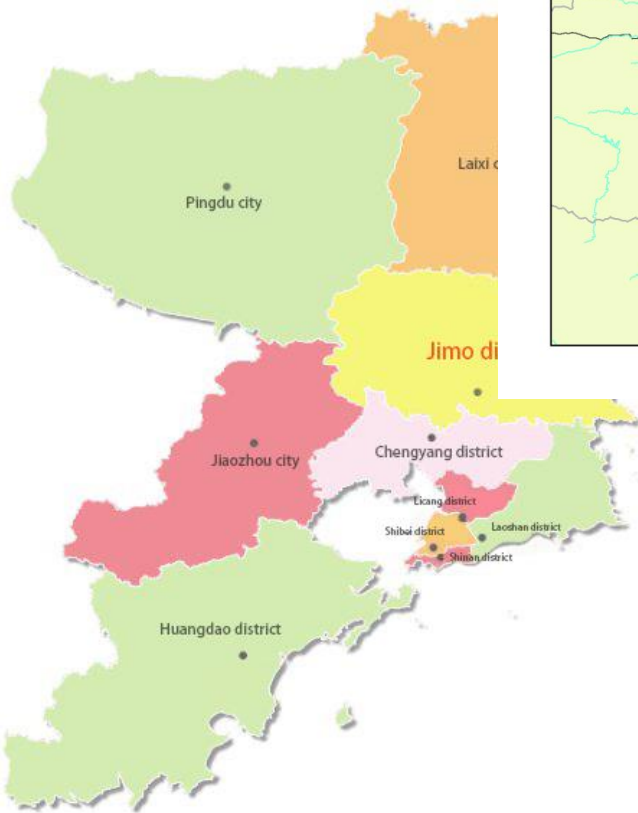
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- The Jimo coast lies between $36^{\circ} 36' 30''$ N and $36^{\circ} 19' 12''$ N; and $120^{\circ} 46' 03''$ E and $120^{\circ} 38' 15''$ E (Fig.1).
- The eastern part of the city faces the Yellow Sea, encompassing 2,517 km² of the Yellow Sea, with a coastal extent of 183 km.



- **Jimo has been located at the southeast of the Shandong Peninsula, China.**

Nature condition

- There are **10** natural bays .
- **28** large and small islands
- There are **15** fishing ports.
- **83.33 km^2** in an intertidal zone
- Jimo has excellent geographical location and abundant fishery resources.
- In 2017 fisheries were approximately 4.14 billion RMB. The capacity of marine fishing was 62,000 tons, accounting for 43.97% of the total fishing in Qingdao.

Regional development

- Jimo was a country-level city of Qingdao which ranked 9th among the top 100 counties in mainland China in 2017.
- In 2012, Jimo's Aoshan Bay Street and Spring Street became the core sites for **Qingdao's Blue Silicon Valley**, as a part of Chinese marine economic development policy.
- National Deep-sea Base
- the Shandong University (Qingdao Campus)
- the Qingdao National Laboratory for Marine Science and Technology

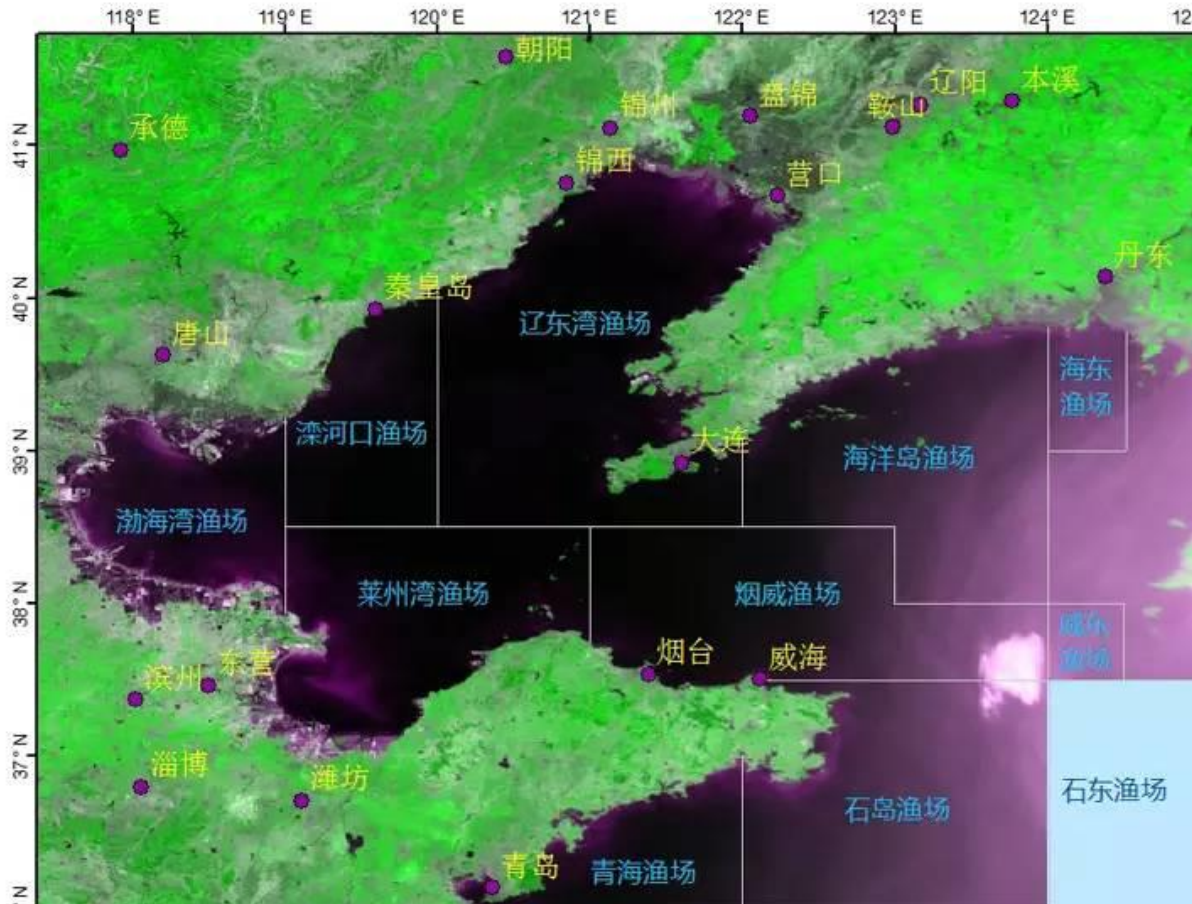
2. Development of the marine fishery in Jimo

2.1 Overview of fishery village, fishing port, fishery resources

2.2 Fishery population and community status

2.3 Catches of marine fishing

2.1 Overview of fishery village, fishing port, fishery resources





国家海洋局东海分局

East China Sea Branch Of State Oceanic Administration

海洋预报 | 环境保护

- 大面浪场预报
- 海洋预警
- 专项预报
- 航线预报
- 上海沿海预报
- 城市近岸预报
- 渔场预报**
- 生态灾害预报
- 南通区域精细化预报
- 台风专题



吕泗渔场		
24小时	48小时	72小时
日期	04-19	
浪向	南	
浪高	0.5-1.0m 增大至 1.0-1.7m	
风向	南风	
风速	4-5级 转 5-7级	
未来72小时预报		数据来源: 东海预报中心



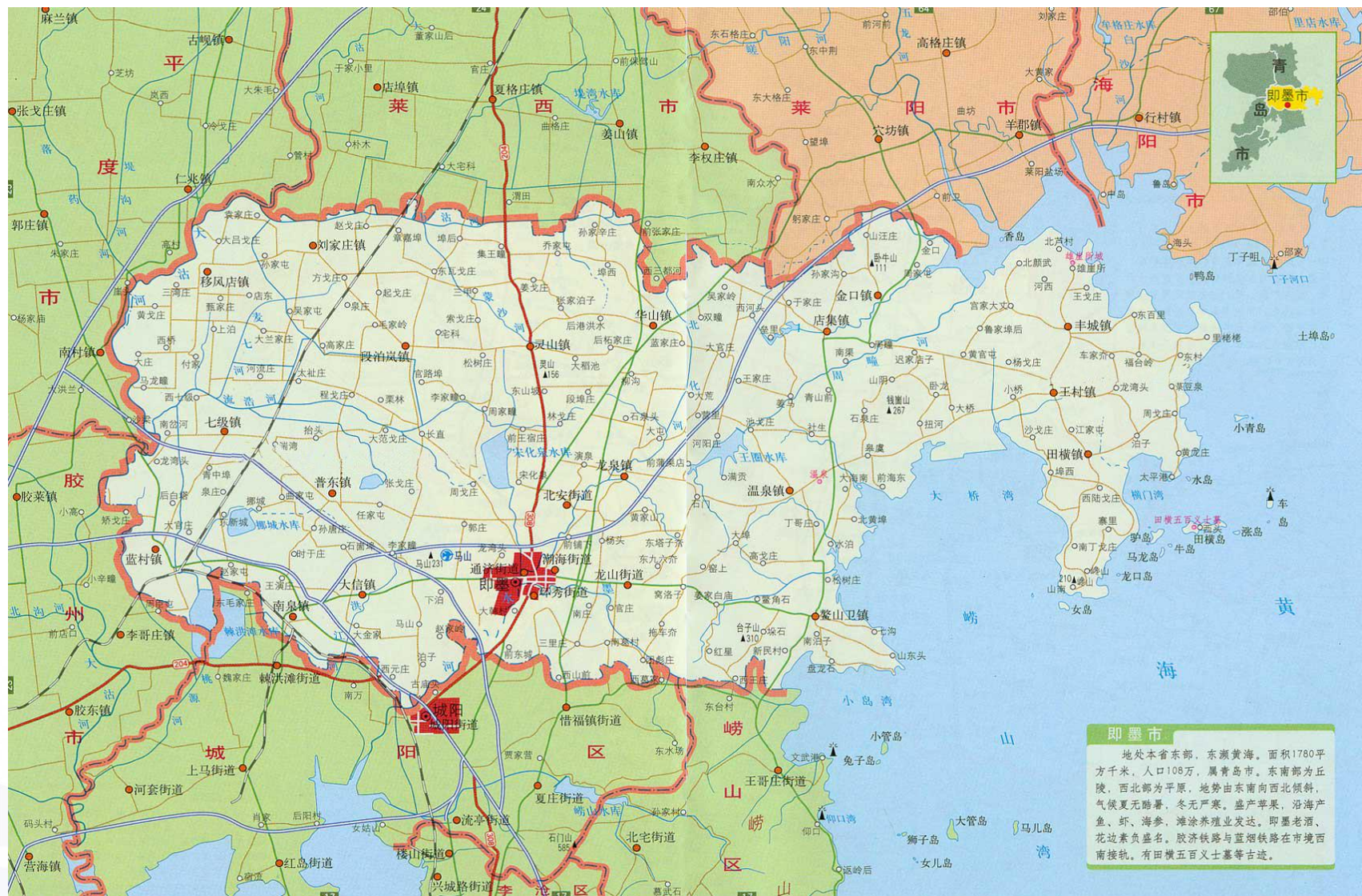
审图号: GS (2017) 508号 国家测绘地理信息局 监制

There are 15 fishing ports



2.2 Fishery population and community status in Jimo District

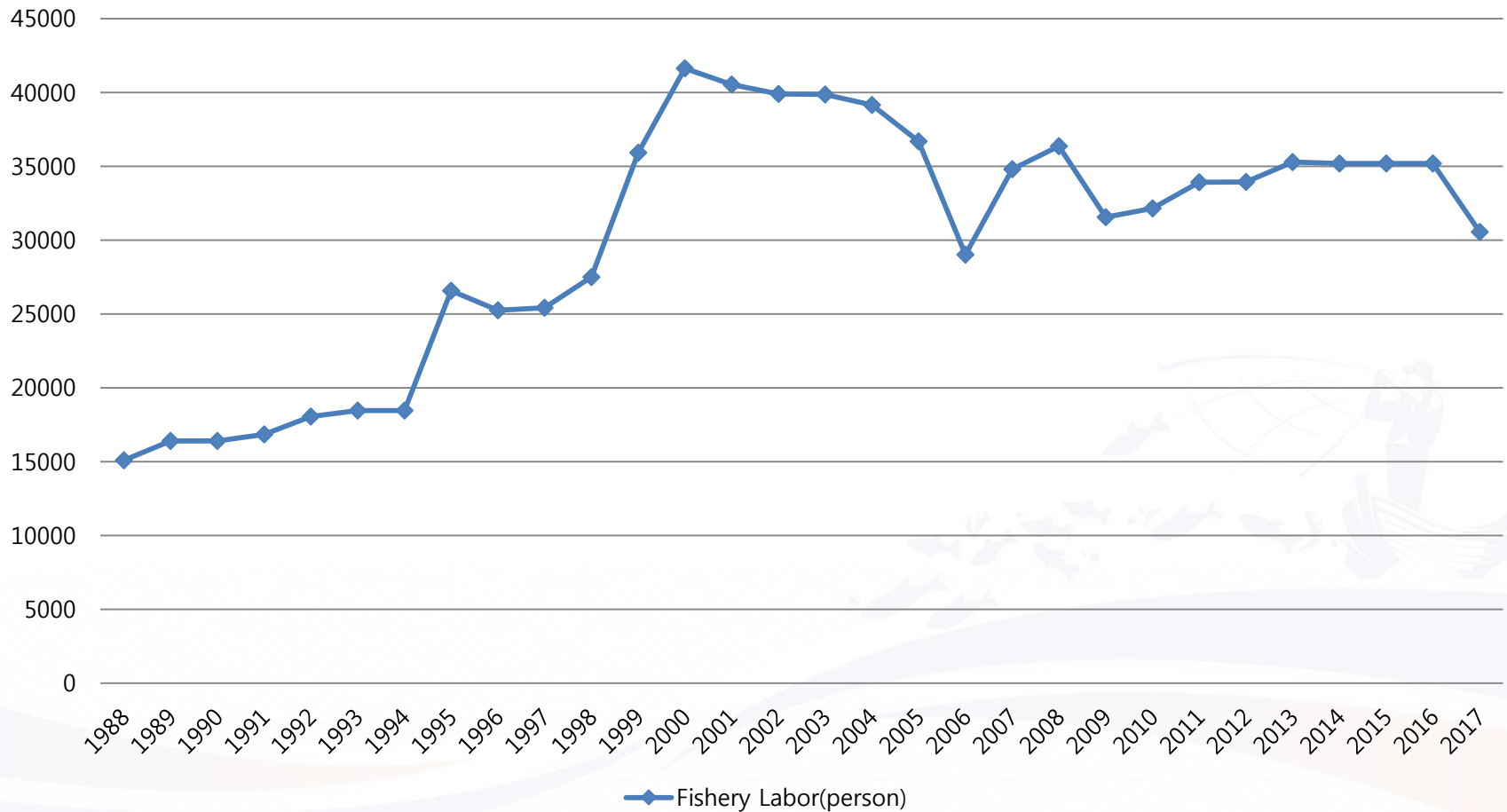
- **There are 5 coastal towns engaged in fishery production,**
- **Aoshanwei Town,**
- **Wenquan Town,**
- **Tianheng Town,**
- **Tianheng Island Provincial Tourism Resort, Jinkou Town**

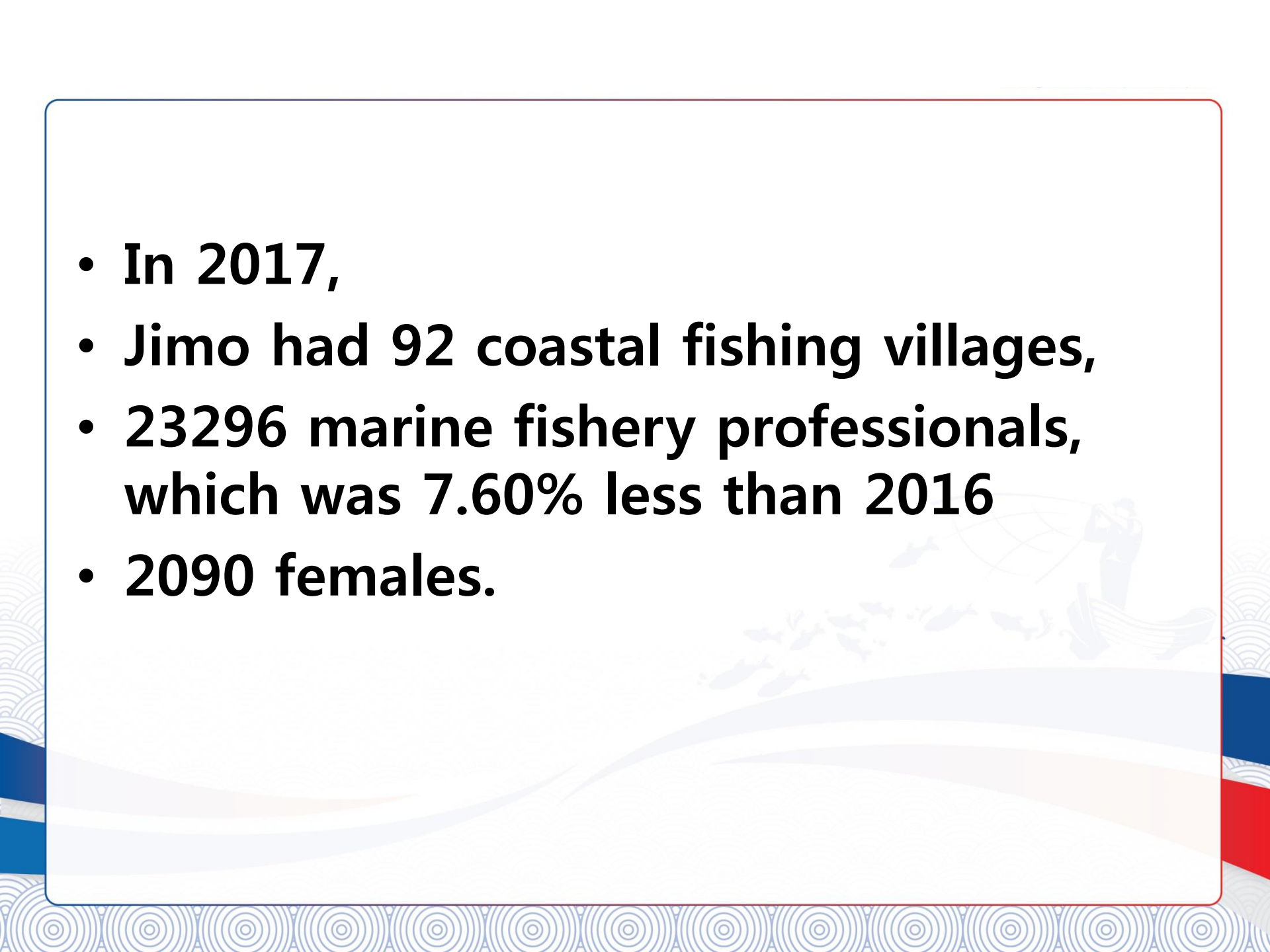


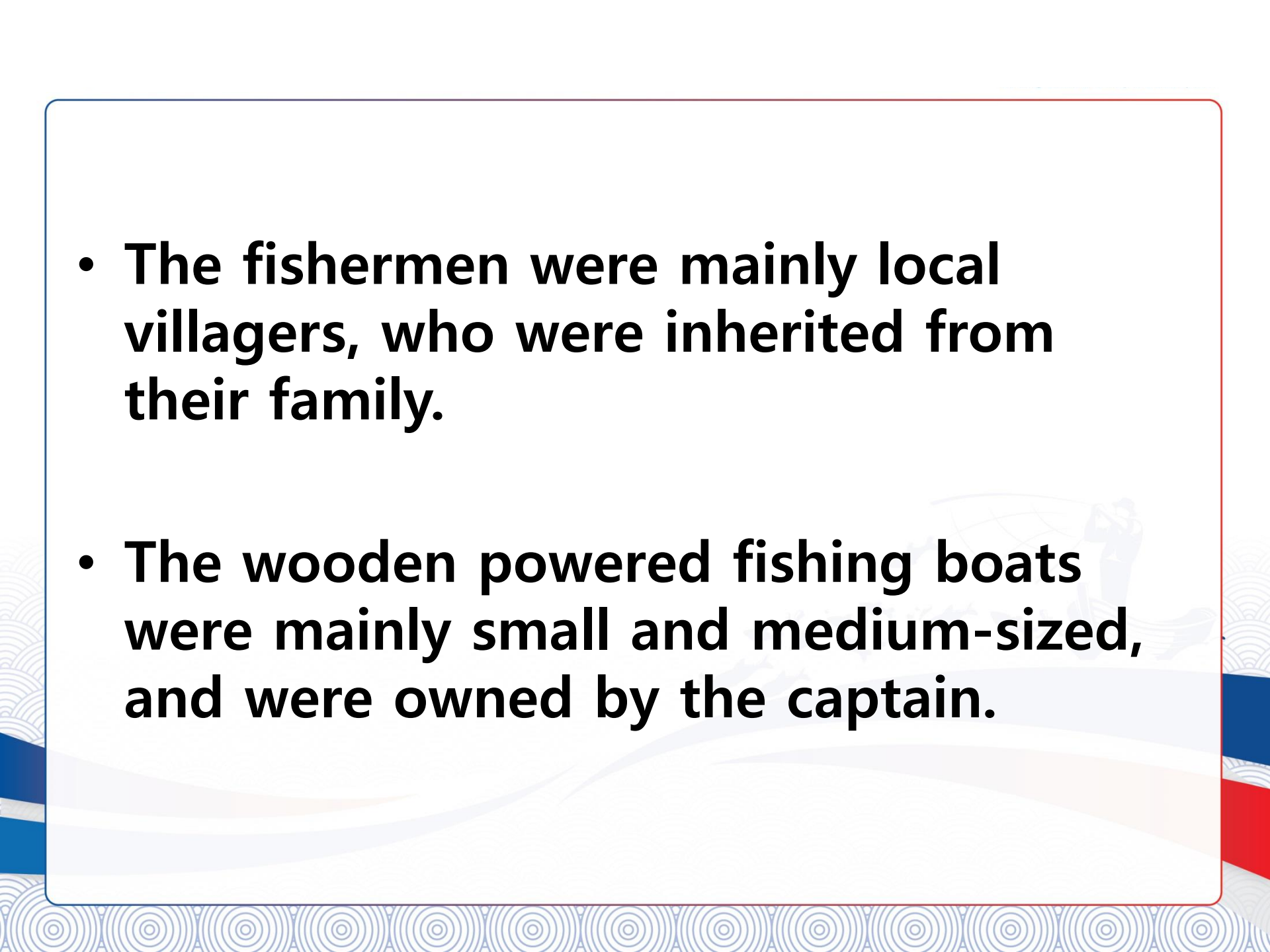
即墨市

地处本省东部，东濒黄海。面积1780平方千米，人口108万，属青岛市。东南部为丘陵，西北部为平原，地势由东南向西北倾斜，气候夏无酷暑，冬无严寒。盛产苹果，沿海产鱼、虾、海参，滩涂养殖业发达。即墨老酒、花边素负盛名。胶济铁路与蓝烟铁路在境内西南接轨。有田横五百义士墓等古迹。

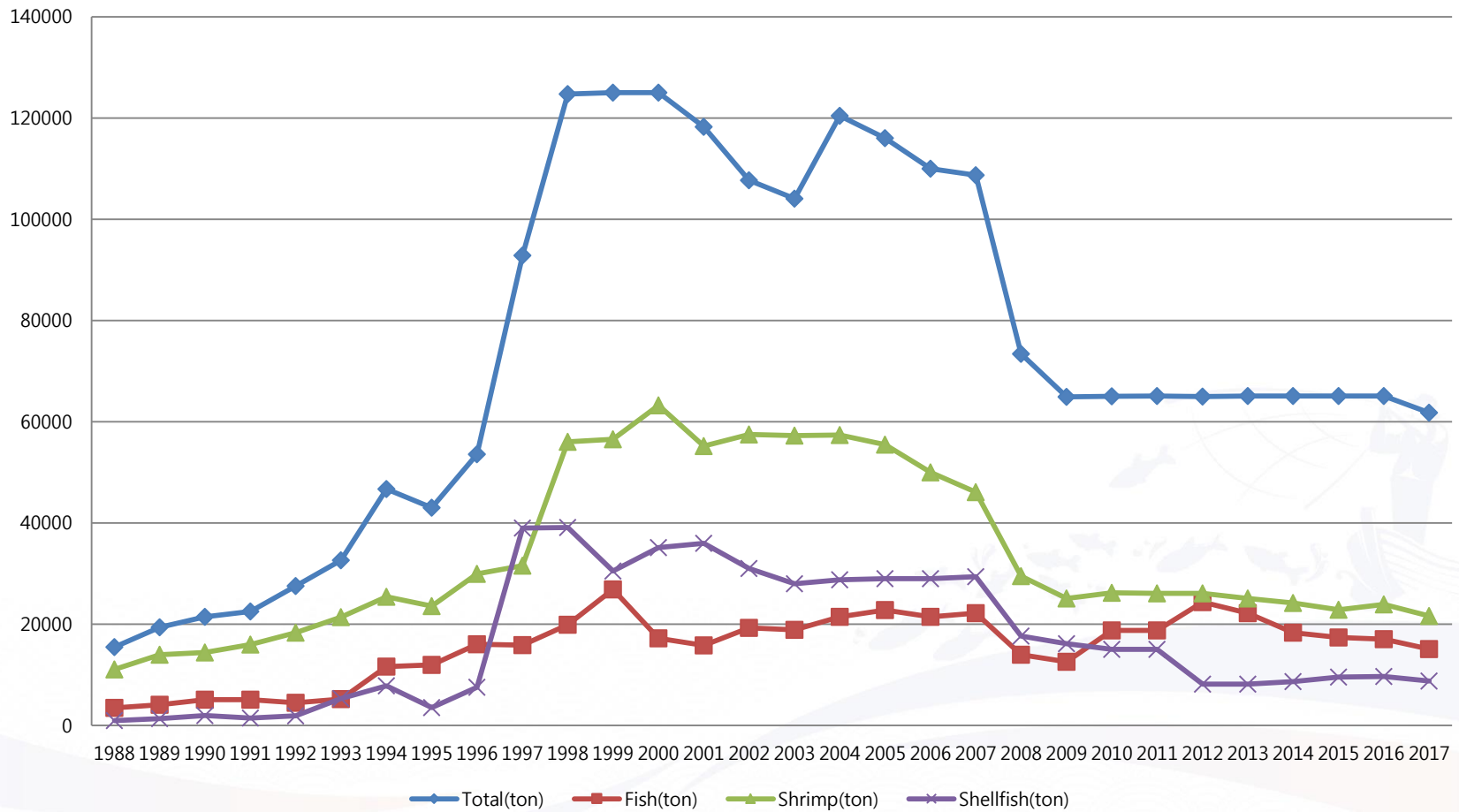
Fishery Labor of Jimo Marine Fishing from 1988 to 2017(unit: person)



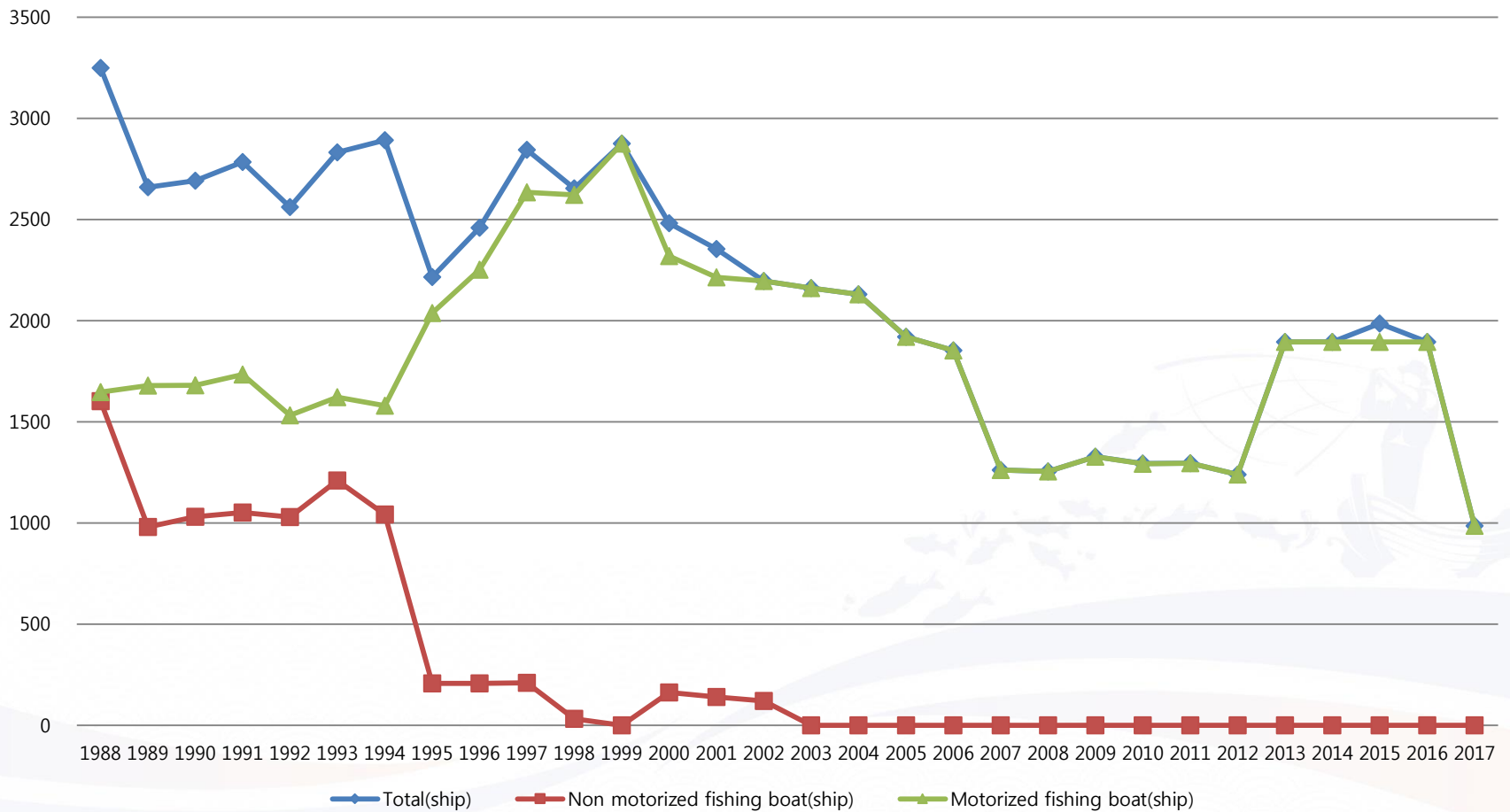
- **In 2017,**
 - **Jimo had 92 coastal fishing villages,**
 - **23296 marine fishery professionals,**
which was 7.60% less than 2016
 - **2090 females.**
- 

- **The fishermen were mainly local villagers, who were inherited from their family.**
 - **The wooden powered fishing boats were mainly small and medium-sized, and were owned by the captain.**
- 
- The background features a decorative border at the bottom with a repeating pattern of concentric circles. A faint silhouette of a fisherman is visible in the upper right quadrant, and stylized wave patterns are present at the bottom of the slide.

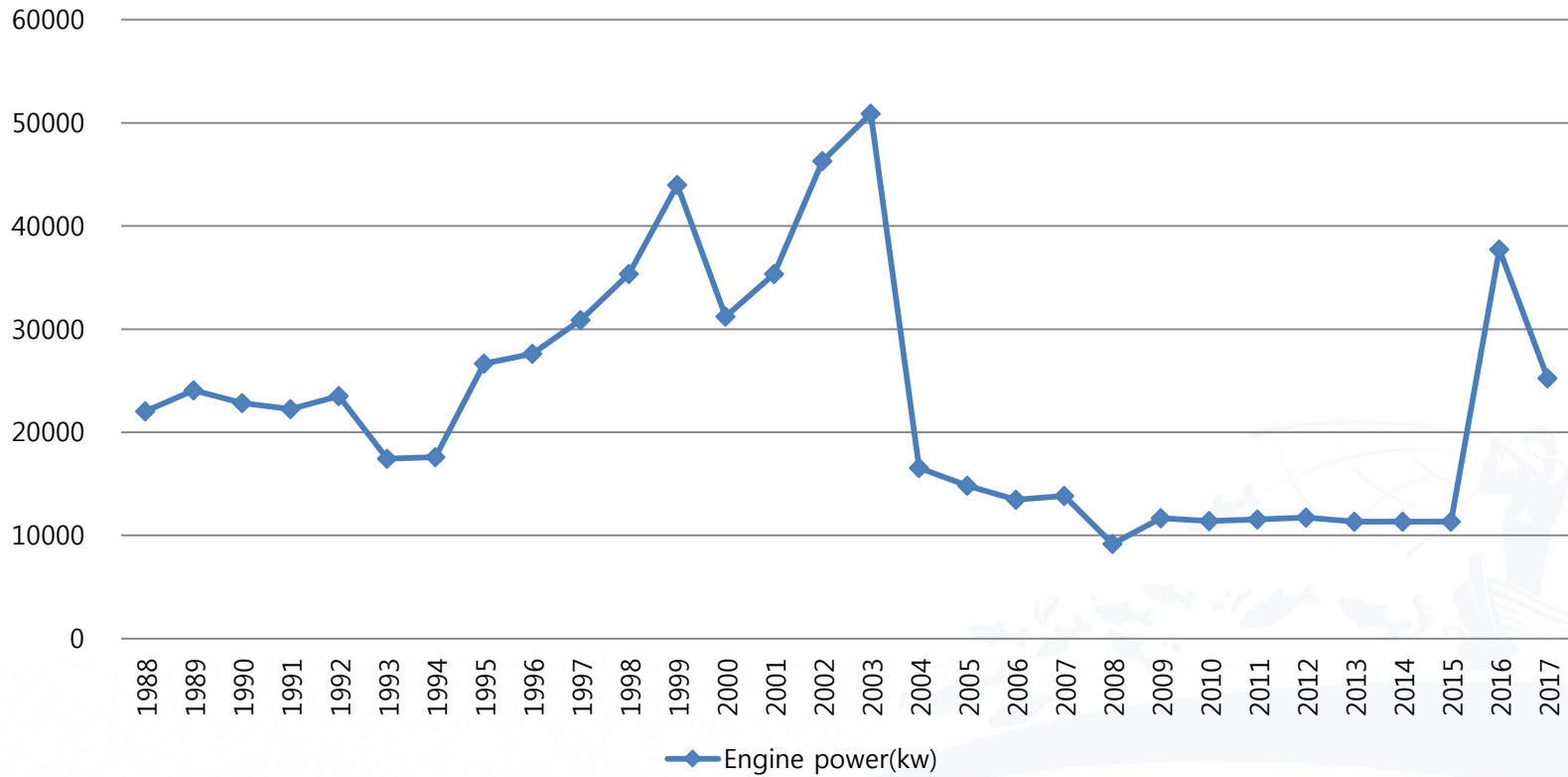
Marine Fishing Quantity of Jimo from 1988 to 2017 (in tons)



Number of marine fishing vessels in Jimo, from 1988 to 2017 (unit: ship)



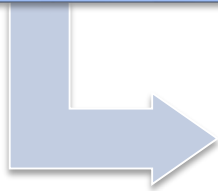
the engine power of the motorized fishing boat



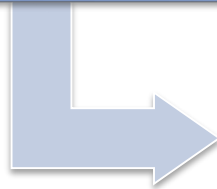
Year	Labor (person)	Fishing vessel			Catches				
		Total (ship)	No engine vessel (ship/ton)	Engine vessel (ship/ton)	Total	Fish	Shrimp and Crab	shellfish	algae
1988	15099	3249	1602/660	1647/22041	15461	3462	11041	925	33
1989	16408	2659	980/972	1679/24052	19395	4056	13950	1353	36
1990	16416	2691	1030/851	1681/22821	21444	5058	14412	1944	30
1991	16852	2784	1051/837	1733/22258	22517	5053	15970	1437	57
1992	18065	2561	1029/857	1532/23498	27550	4430	18323	1862	54
1993	18467	2832	1210/986	1622/17443	32637	5169	21407	5270	38
1994	18467	2892	1042/884	1580/17578	46687	11587	25398	7780	24
1995	26574	2215	207/212	2038/26671	43000	11929	23588	3491	1
1996	25246	2459	207/212	2252/27622	53534	16025	29955	7554	—
1997	25429	2844	210/132	2634/30882	92817	15846	31522	38987	16
1998	27508	2653	32/32	2621/35354	124721	19871	56035	39108	30
1999	35922	2875	—	2875/43977	125000	26843	56521	30496	49
2000	41640	2481	162/280	2319/31216	125000	17189	63207	35129	25
2001	40536	2354	140/70	2214/35344	118233	15821	55181	35971	26
2002	39907	2195	120/60	2195/46305	107716	19235	57487	30970	24
2003	39875	2161	—	2161/50890	104075	18865	57224	27955	31
2004	39151	2130	—	2130/16560	120426	21430	57340	28758	36
2005	36694	1920	—	1920/14822	116034	22766	55461	29001	36
2006	29028	1852	—	1852/13476	110000	21438	49987	28990	—
2007	34815	1262	—	1262/13843	108693	22186	46096	29353	—
2008	36370	1255	—	1255/9190	73398	13971	29468	17662	—
2009	31568	1328	—	1328/11660	64896	12561	25081	16129	—
2010	32148	1294	—	1294/11382	65002	18752	26186	15035	—
2011	33917	1295	—	1295/11558	65048	18752	26071	15039	—
2012	33947	1239	—	1239/11734	64948	24318	26071	8138	—
2013	35287	1895	—	1895/11325	65048	22145	25071	8138	—
2014	35192	1895	—	1895/11325	65048	18293	24171	8638	—
2015	35192	1985	—	1895/11325	65048	17349	22834	9533	—
2016	35192	1895	—	1895/37729	65048	17049	23876	9660	—
2017	30562	986	—	986/25240	61798	15049	21626	8760	—

3 Management of Marine Fishery in Jimo

**3.1 Marine Fisheries
Management Agency**



**3.2 Management of marine
fishery user rights**

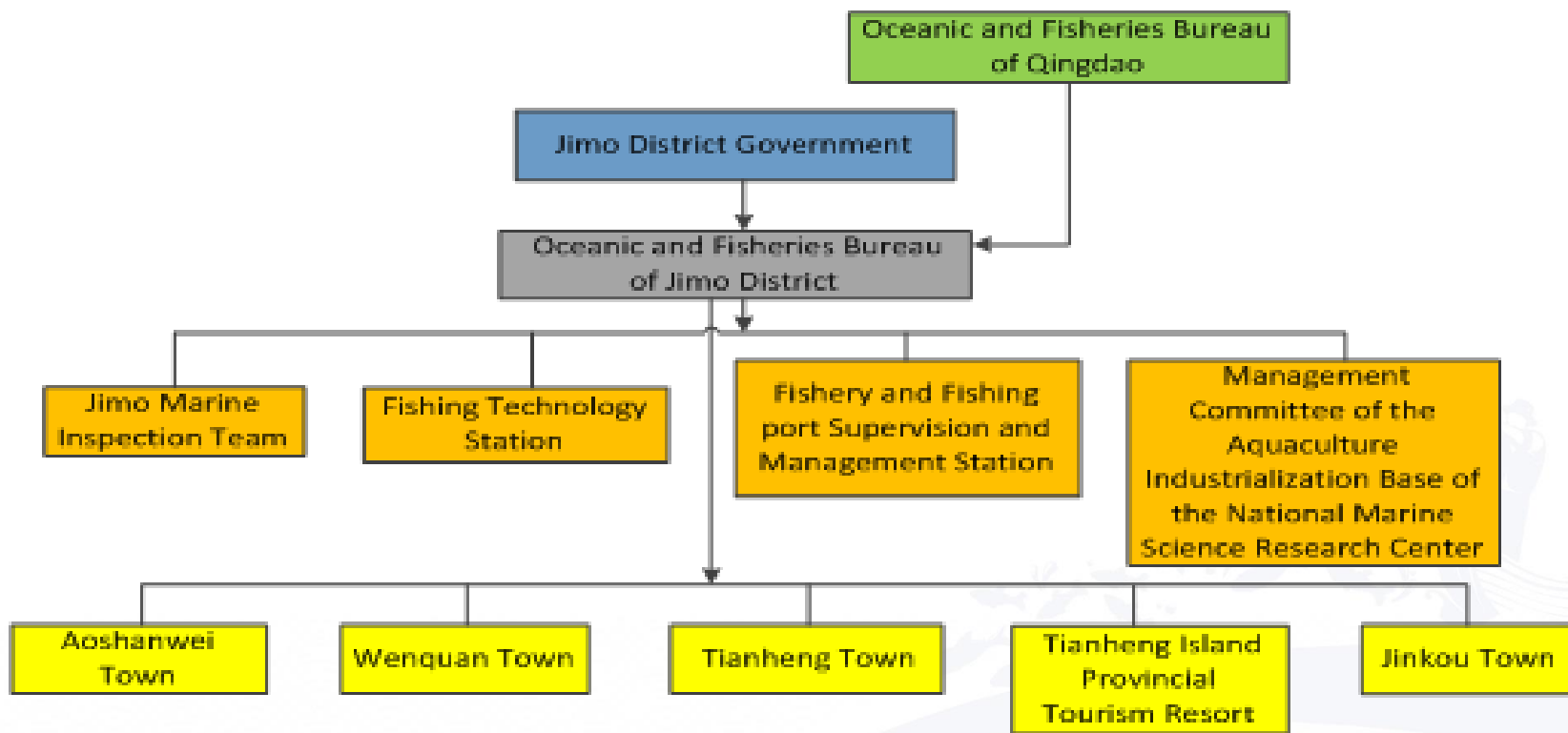


**3.3 Other marine fishery
management policies**



**3.4 Fishery monitoring
and controlling**

3.1 Marine Fisheries Management Agency of Jimo



Administration relationship of the Jimo Oceanic and Fisheries Bureau

3.2 Management of marine fishery user rights

3.2.1 Fishery user rights management based on fishing license

3.2.2 Fisherman's qualification certificate is a threshold for fishing

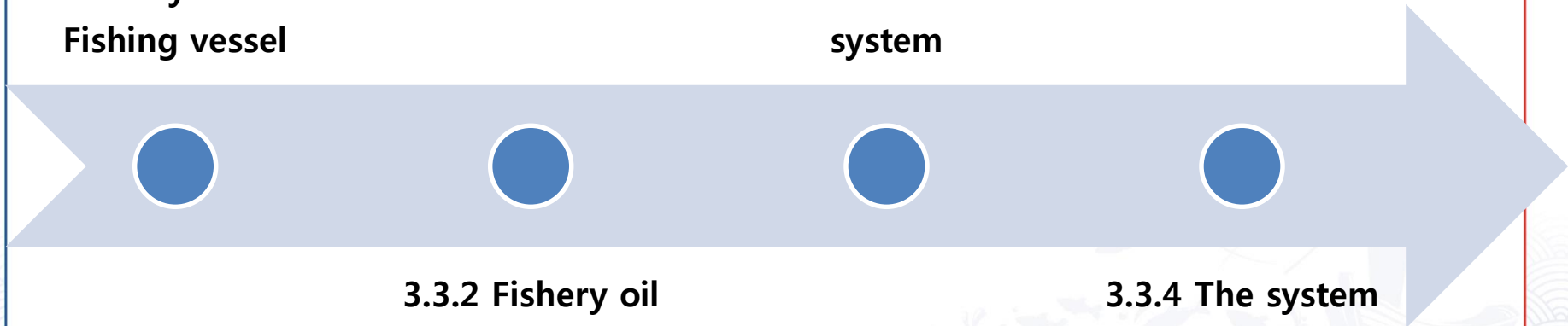
3.3 Other marine fishery management

3.3.1 A double-control system for Fishing vessel

3.3.3 Summer fishing moratorium system

3.3.2 Fishery oil price subsidy system

3.3.4 The system of fishery resources proliferation and protection fee



4. The challenges facing by the management of Marine Fisheries in Jimo

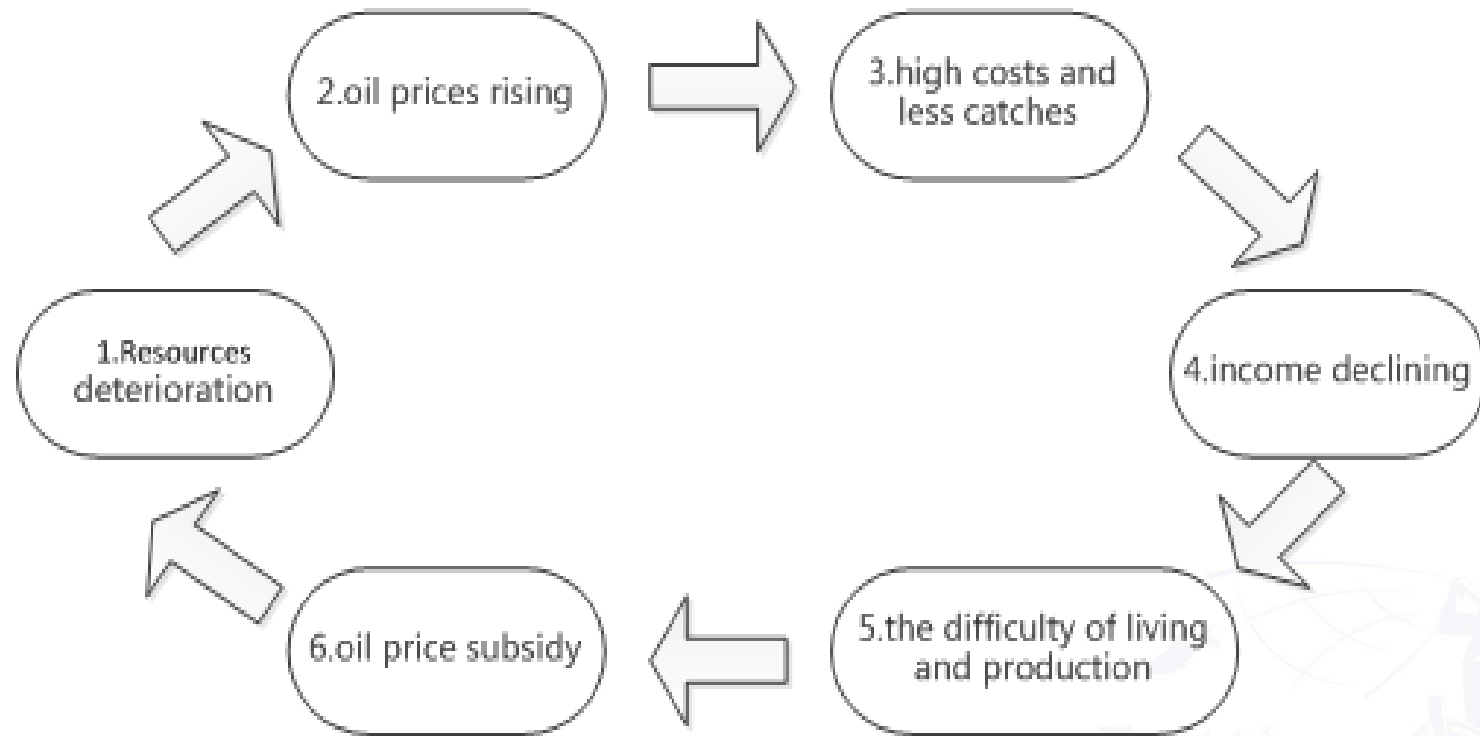
4.1 Illegal operations of other province fishermen across the sea territory



4.2 Land occupied by project development



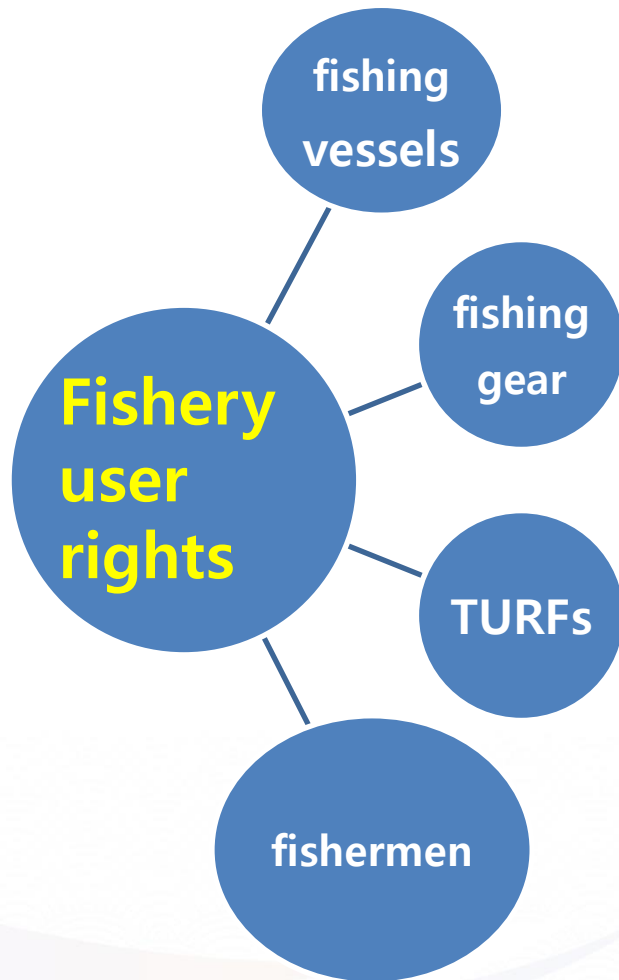
4.3 The contradiction between fishery management policies



the vicious cycle leading by the fishery oil price subsidy

4.4 Management Recommendations

- 1) expanding the fishing permit system, implementing a 'double control' system for fishing vessels, reducing fisheries fuel subsidies to commercial fishery;
- 2) expanding the mid-summer moratorium and reducing illegal fishing during the moratorium period;
- 3) developing other legal ways of fishing (eg. recreational fisheries, hand picking) to supplement fishermen income during the summer moratorium;
- 4) developing an offshore aquaculture industry to increase the supply of seafood and reduce fishing pressure on coastal resources;
- 5) Management agencies should strengthen fisheries enforcement and reduce cross regional illegal fishing;
- 6) Increasing the protection and restoration of coastal fishery resources.



5 Conclusions

A fishery user right management mode based on **fishing licenses system** was established from the aspect of fishery production input.



500 years Jimo Sea Sacrificial Ceremony





Thank you

for listening