

Table S1: Overview of Interviewees and Summary

Case	Code	Gender	Age	Background of interviewee and Interview Summary	Time of Interviewed
1	M-a	Male	About 70 years old (Mr. Chen)	Reside in Jimei Dashe, belonging to the Chen clan of Dashe. Has been living near the Jiageng Memorial Hall since birth. Engaged in aquaculture in the coastal waters near Jimei Bridge. Prior to the implementation of the coastal Exclusion Policy in 2002, cultivated clams as a sideline. Received compensation when Jimei implemented the Coastal Exclusion Policy in 2006. The interviewee has experienced the entire process of coastal governance in Xiamen.	2023-04-15
2	M-b	Male	About 20 years old (Mr. Chen, student)	Reside in Jimei Dashe, belonging to the Chen clan of Dashe. Born in 2000 and has been living in Jimei Dashe. During the period of the Coastal Exclusion Policy, the interviewee was still young and lived near the Jiageng Memorial Hall. Used to play on the beaches near Ao Garden when young, thus having a clear understanding of the changes in the coastal environment.	2023-04-15
3	M-c	Male	About 30 years old (Mr. Chen, boss)	Reside in Xiang'an District, belonging to the local residents and fishermen. Owns a fishing boat and relied on aquaculture and fishing for a living in the village over twenty years ago. Joined the father in going out to sea at a young age and personally experienced the process of coastal governance in Xiamen. Has deep insights into the Coastal Exclusion Policy and other policies.	2023-04-16
4	F-a	Female	About 40 years old (Ms. Chen)	Reside in Jimei Dashe, belonging to the Dashe residents. Has been operating a vegetable stall in the area for many years and has a clear understanding of the changes in local seafood harvest.	2023-04-20
5	M-d	Male	About 50 years old (Mr. Chen)	Reside in Jimei Dashe, belonging to the Dashe residents. Has been operating a vegetable stall in the area for many years and is responsible for sourcing vegetables and seafood. Has a good understanding of the changes in Jimei Dashe's aquaculture households and the fishing and aquaculture situation in the surrounding waters.	2023-04-20
6	F-b	Female	About 60 years old (Ms. Chen)	Reside in Jimei Dashe, belonging to the Dashe residents. Buys oysters from seafood vendors for further processing and selling to oyster pancake businesses. Engaged in this activity on a daily basis and has a clear understanding of the changes in the source of seafood during the coastal governance period in Xiamen.	2023-04-20
7	F-c	Female	About 50 years old (Ms. Lin)	Reside near Beihai Bay and often take children to dig clams under Jimei Bridge. Has a profound experience of the entire process of coastal governance in Xiamen. Believes that the seawater has been purified, the amount of garbage has reduced, and the scenery has become more beautiful, but the area of intertidal flats has decreased.	2023-05-29
8	M-e	Male	About 50 years old (Mr. Liu)	Reside near Xinglin Bay, originally from Henan province. Discharged from the military and relocated to Xiamen in the 1980s. Has a deep understanding of the ecological changes in Xinglin Bay, which used to be an aquaculture farm with a poor environment. Considers Xiamen's coastal governance to be quite effective, with improvements in ecological and residential environments. Personally, witnessed the landscape construction of the Xinglin Bay coastline.	2023-04-09
9	M-f	Male	About 30 years old (Mr. Chen)	Resides in Jimei Dashe, a local resident responsible for enrolling students at Chen's Elementary School. Has frequent contact with local residents and has knowledge about various aspects. Has experienced the transformation of the lifestyle of Dashe residents during the coastal governance in Xiamen over the past twenty years. Previously, family members were engaged in fishing, thus having a good understanding of fishing and aquaculture. Has a detailed understanding of the changes in the coastline and believes that the beaches are now artificially filled, and local people are no longer engaged in marine occupations. Conducted using the focus interview method.	2023-05-30
10	M-g	Male	About 50 years old (Mr. Chen)	Resides in Jimei Dashe, a local resident who personally experienced the transformation of the local residents' way of life. Used to dig clams with friends on the beach as a child. Familiar with the changes in the coastline and has family members who used to be fishermen or engaged in aquaculture but have now switched to other occupations. He had told us that they could not talk	2023-05-29

				about the Coastal Exclusion Policy and needed to ask the neighborhood committee.	
11	F-d	Female	About 40 years old (Ms. Chen)	Resides in Jimei Dashe, a local resident and community staff member. Has a good understanding of the lifestyle of Dashe residents and is knowledgeable about the work arrangements for fishermen after coming ashore. Believes that local residents have security after coming ashore, and the scenery and ecological environment in Dashe have improved. Conducted using the focus interview method.	2023-05-30
12	F-e	Female	About 30 years old (Ms. Lin)	Resides in Jimei Dashe, a non-local resident who joined the community and is responsible for the labor security of Xunjiang community residents. Previously, helped unemployed fishermen find work before 2018, but in recent years, the employment situation of fishermen coming ashore has become more stable. Conducted using the focus interview method.	2023-05-30
13	F-f	Female	About 40 years old (Ms. Chen)	Resides in Jimei Dashe, a non-local resident who joined the community and is responsible for resolving disputes among Xunjiang community residents. Has knowledge of the work arrangements for fishermen in Dashe and is familiar with the current working methods in the area. Conducted using the focus interview method.	2023-05-30
14	F-g	Female	About 50 years old (Ms. Chen)	Resides in Jimei District, a long-standing community employee with a clear understanding of the development in Dashe. Experienced the entire process of implementing coastal governance policies in Xiamen and believes that the policies have been effective in improving water quality, managing fishermen, and protecting the ecological environment. However, there have been changes in the lifestyle of fishermen. Conducted using the focus interview method.	2023-05-30
15	M-h	Male	About 50 years old (Mr. Lin)	Resides in Xiamen Siming District, moved to Jimei Normal School with parents at the age of eight and attended Jimei Elementary School. Grew up and worked in Jimei District. Often went to the beach with friends when young and has a deep understanding of coastal development. Believes that the coastal zone before 1987 was better than it is now and the Coastal Exclusion Policy may be to combat maritime smuggling.	2023-05-31
16	M-i	Male	About 30 years old (Mr. Chen)	Resides in Jimei Dashe, a resident of the area and a sailing enthusiast. Grew up by the seaside and has firsthand experience of the changes in the coastline.	2023-05-31
17	M-j	Male	About 60 years old (Mr. Chen)	Resides in Jimei Dashe, a local resident. Engages in digging clams on a daily basis to supplement household income. Buys clams from friends, processes them, and sells them to nearby businesses. Has a good understanding of the development trends of seafood in Xiamen and has personally experienced the changes in the coastline over the past twenty years of coastal governance.	2023-06-04
18	F-h	Female	About 60 years old (Ms. Chen)	Resides in Jimei Dashe, a local resident and member of the Chen clan association. Familiar with the lifestyle changes of Dashe residents and has a deep experience of the entire process of coastal governance.	2023-06-04
19	M-k	Male	About 70 years old (Mr. Chen)	Resides in Jimei Dashe, a local resident. Member of the Chen clan association, knowledgeable about the lifestyle of Dashe residents, familiar with the local living culture, and aware of the changes in the fishing community's culture.	2023-06-04
20	F-i	Female	About 60 years old (Ms. Chen)	Resides in Jimei Dashe, a local resident. Engages in the sale of fish, familiar with the fishing trends in Jimei, including fishing methods and locations, and has witnessed the changes in fishing practices over the past twenty to thirty years of coastal governance.	2023-06-04
21	M-l	Male	About 70 years old (Mr. Chen)	Resides in Jimei Dashe, a local resident and retired high school teacher. Concerned about the shift in policy development, has a keen understanding of the changes in the coastline and intertidal flats, and holds a macroscopic view of the impact of policies on the lifestyle of local residents.	2023-06-04

* The age of the interviewees is based on the year of the interview. As much as possible, inquire about the complete personal information of the interviewees. In accordance with research ethics, the interviewees are represented by codes. The code "F" represents female, "M" represents male, "F-A" represents female A, and "M-B" represents male B.

Table S2 : Xiamen's marine policies over the years and their levels and scales

No.	Law/Regulations	Year	Level	Scale
1	To levy Java, temporarily ban merchants and navigators from Zhejiang, Guangdong, and Fujian. (Yuan Dynasty)	1292	National	National
2	Forbid merchants to go to sea. (Yuan Dynasty)	1303	National	National
3	Banning ships from going to sea. (Yuan Dynasty)	1311	National	National
4	Prohibition of coastal residents from contacting overseas countries privately. (Ming Dynasty)	1381	National	National
5	Sea ban imposed, coastal residents head inland. (Ming Dynasty)	1387	National	National
6	Lift the sea ban, adjust the overseas trade policy, and allow the private sector to sell far and wide. (Ming Dynasty)	1567	National	National
7	Move to Sea Order. (Ching Dynasty)	1661	National	National
8	Strictly ban access to the sea. (Ching Dynasty)	1662	National	National
9	The people migrated to the mainland, and the sea was strictly prohibited, and their traffic was cut off. (Ching Dynasty)	1678	National	National
10	lifting the ban on maritime trade. (Ching Dynasty)	1683	National	National
11	Nanyang Maritime Ban. (Ching Dynasty)	1717	National	National
12	Xiamen fishermen's union was established.	1956	Municipal	local
13	Convention on the Territorial Sea and the Contiguous Zone.	1958	International	International
14	Geneva Convention on the High Seas.	1962	International	International
15	Convention on the continental shelf.	1964	International	International
16	Convention on Fishing and Conservation of the Living Resources of the High Seas.	1966	International	International
17	Convention for the Prevention of Marine Pollution by Dumping of Wastes and Other Substances, 1972 (London Convention).	1972	International	International
18	Marine Environment Protection Law.	1982	National	National
19	Maritime Traffic Safety Law.	1983	National	National
20	Regulations on Administration of Environmental Protection in the Exploration and Development of Offshore Petroleum.	1983	National	National
21	The fishermen commune was reorganized as Xiamen second Marine fishery Company.	1984	Municipal	local
22	Regulations on Control of Dumping of Wastes in the Ocean	1985	National	National
23	Fisheries Law.	1986	National	National
24	Mineral Resources Law.	1986	National	National
25	Law on Land Resources Governance.	1986	National	National
26	Regulations Concerning Prevention of Environmental Pollution by Ship-breaking.	1988	National	National
27	Environmental Protection Law.	1989	National	National
28	Law on the Protection of Wildlife.	1989	National	National
29	Regulations Concerning Prevention and Control of Pollution Damages to the Marine Environment by Coastal Construction Projects.	1990	National	National
30	Regulations Concerning Prevention of Pollution Damage to the Marine Environment by Land-based Pollutants.	1990	National	National
31	Law on the Territorial Sea and the Contiguous Zone.	1992	National	National
32	Implementation Regulations on Protection of Aquatic Wildlife.	1993	National	National
33	The United Nations Convention on the Law of the Sea (UNCLOS).	1994	International	International
34	Regulations of Natural Protected Reserves.	1994	National	National

No.	Law/Regulations	Year	Level	Scale
35	Xiamen Marine Governance Office was established.	1996	Municipal	Regional
36	Marine function zoning of Xiamen City.	1996	Municipal	Regional
37	Xiamen sea area environmental protection provisions.	1997	Municipal	Regional
38	Xiamen shallow sea shoal aquaculture governance provisions.	1997	Municipal	Regional
39	Xiamen Chinese white dolphin protection provisions.	1997	Municipal	Regional
40	Law on Exclusive Economic Zones and Continental Shelves.	1998	National	National
41	Law on the Administration of the Use of Sea Areas.	2001	National	National
42	Xiamen Ocean and Fisheries Bureau was established.	2002	Municipal	Regional
43	Law on Evaluation of Environmental Affects.	2002	National	National
44	Notice of Xiamen Municipal People's Government on the Comprehensive regulation of aquaculture prohibition in the West Sea Area. ("Coastal Exclusion Policy")	2002	Municipal	Regional
45	Port Law.	2003	National	National
46	Provisions of Xiamen City on the Administration of the use of sea areas	2003	Municipal	Regional
47	Notice of Xiamen Municipal People's Government on Strengthening Aquaculture Governance in the East Sea area of Xiamen.	2003	Municipal	Regional
48	The General Office of Xiamen Municipal People's Government forwarded the notice of the Municipal Bureau of Marine Affairs and Fisheries on the second round of Xiamen Comprehensive Coastal Zone Governance (ICM) Strategic Action Plan.	2005	Municipal	Regional
49	Regulations Concerning Prevention and Control of Pollution Damage to the Marine Environment by Marine Construction Projects.	2006	National	National
50	Notice of the General Office of Xiamen Municipal People's Government on carrying out the work of maritime boundary demarcation in the city.	2008	Municipal	Regional
51	Law on the Protection of Offshore Islands.	2009	National	National
52	Regulations on Prevention and Control of Marine Environment Pollution from Ships.	2009	National	National
53	Provisions of Xiamen City on Marine environmental protection.	2009	Municipal	Regional
54	Measures for the Implementation of Xiamen Marine Aquaculture Exit Compensation.	2009	Municipal	Regional
55	Xiamen Marine and Fisheries Bureau is divided into Xiamen Marine Development Bureau, Xiamen Ecological Environment Bureau, and Xiamen Natural Resources and Planning Bureau.	2018	Municipal	Regional
56	Measures of Xiamen for the Administration of Marine ecological compensation.	2018	Municipal	Regional
57	Opinions of Xiamen Municipal People's Government on strengthening governance of sea-related tourism.	2018	Municipal	Regional
58	The coastal landscape construction is in charge of Xiamen Municipal Garden and Forestry Bureau.	2021	Municipal	Regional