

***Efforts* of China to strengthen the MPA network and *ways* to increase awareness and cooperative actions of governments and society**



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OUTLINES



Progress of MPAs in China



Ways to increase awareness and cooperative actions of governments and society

1. Develop of Marine Protected Areas in China

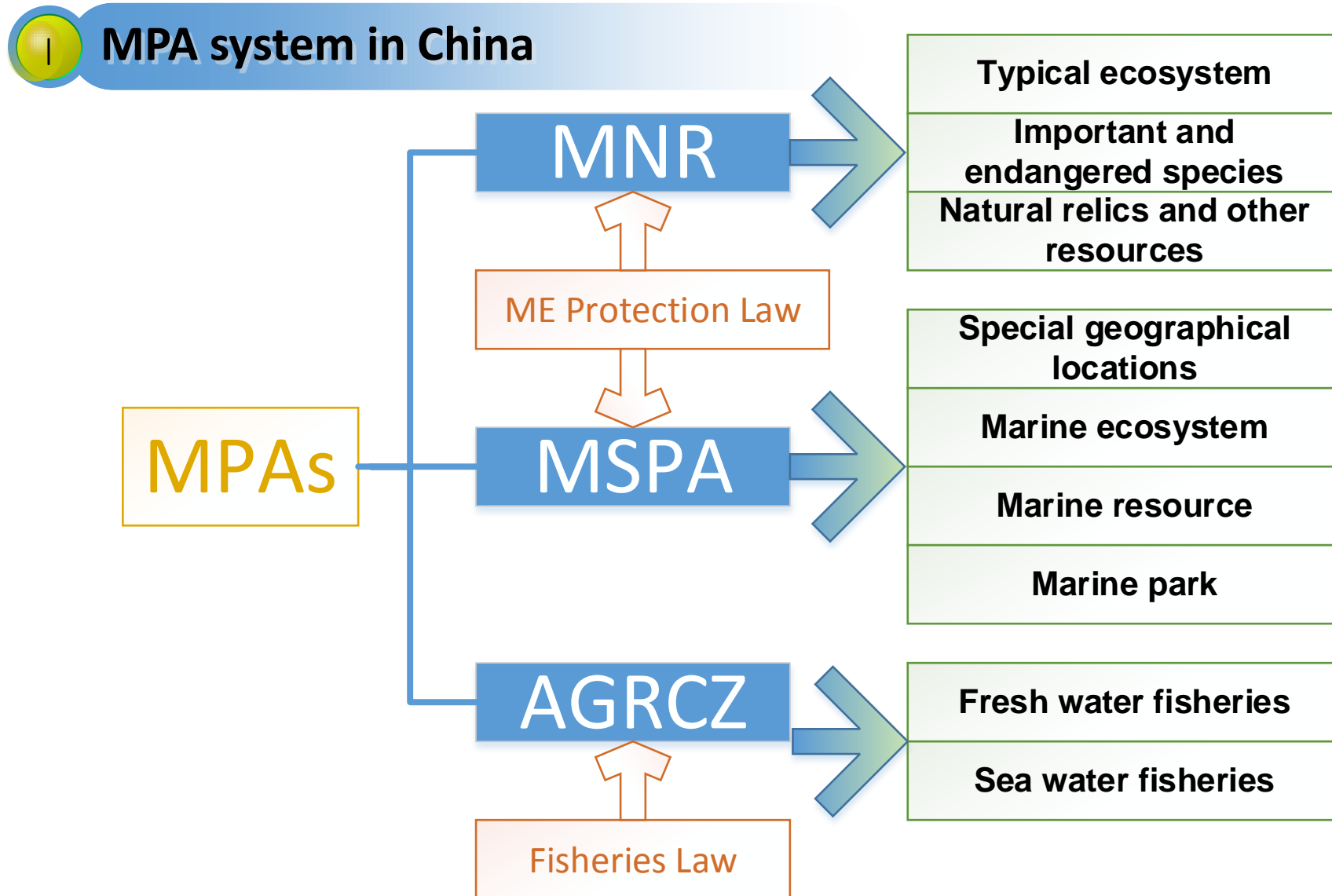
Our efforts

I MPA system in China

II Strengthen the MPA network

III Legislation and regulations

1. Develop of Marine Protected Areas in China



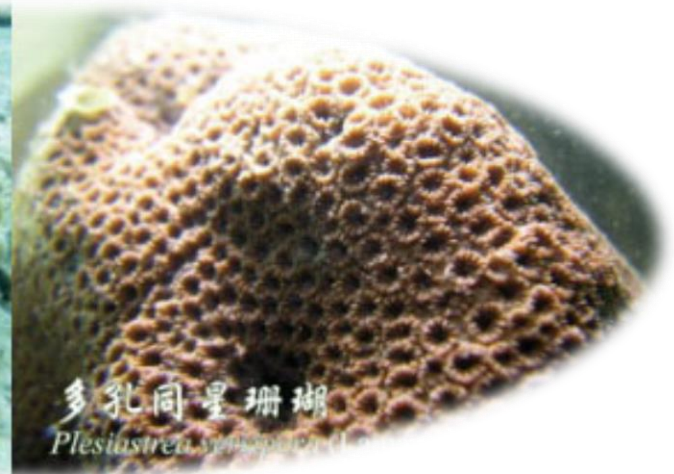
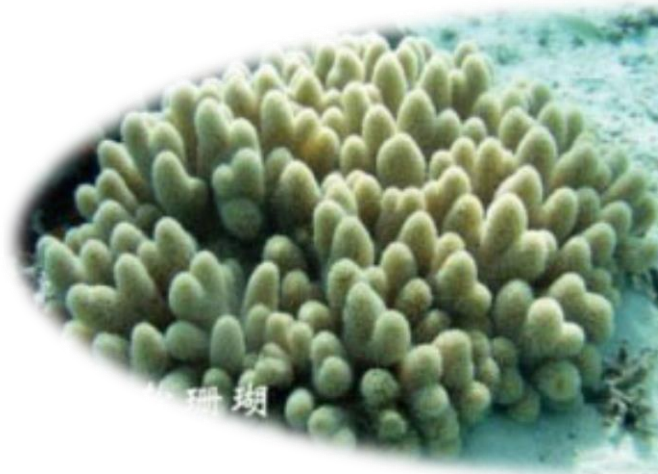
1. Develop of Marine Protected Areas in China

1 Construction of MPAs

- ◆ 1986, first national marine nature reserves approved by the State Council.
- ◆ Up to 2016, 34 NMR.
- ◆ Total area 19, 011 km² .



Mangrove MNR



Coral reef MNR

1. Develop of Marine Protected Areas in China

I Construction of MPAs

- ◆ 2004, the first national MSPA approved.
- ◆ Up to 2016, 67 MSPA.
- ◆ Total area 6656.37 km².



1. Develop of Marine Protected Areas in China

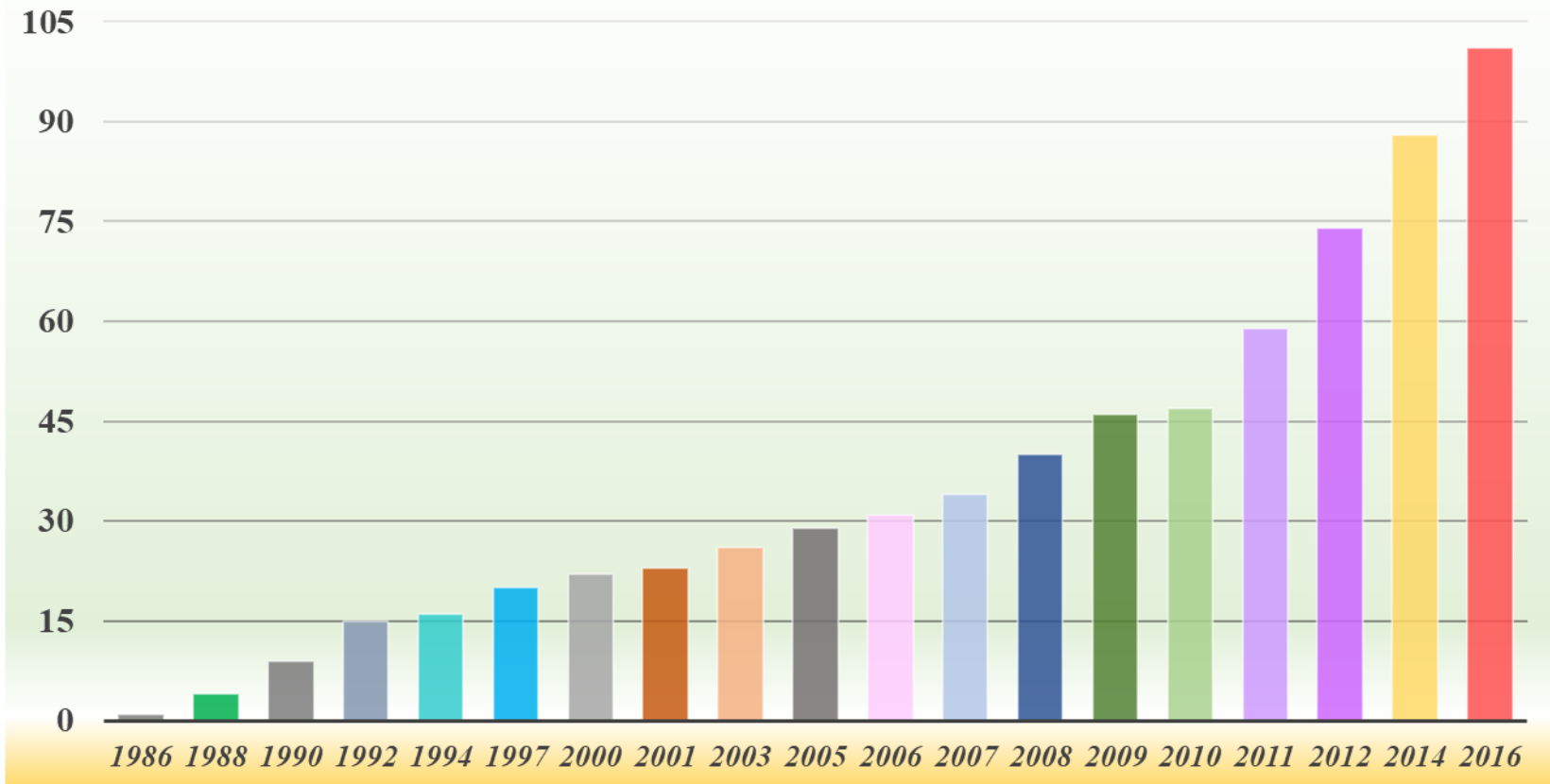
Moreover

- 2007, the first group of national Aquatic Germplasm Resources Conservation Zones approved.
- Up to 2016, 523 (21 in the Yellow Sea)
- Total area 784.01 km² in the Yellow Sea.



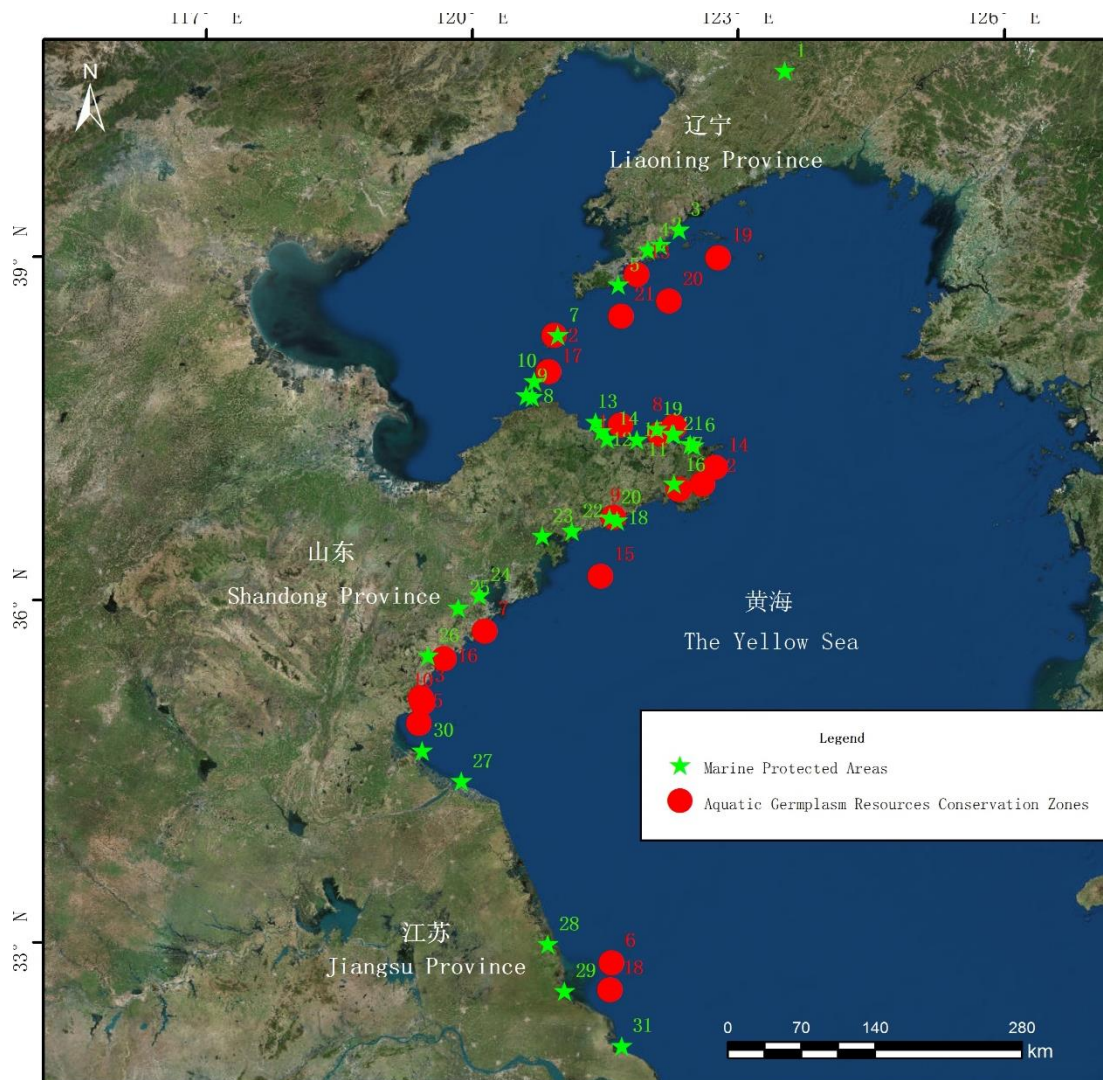
1. Develop of Marine Protected Areas in China

MPAs



1. Develop of Marine Protected Areas in China

Protected Areas in the Yellow Sea



ID	name
1	鸭绿江口滨海湿地国家级自然保护区
2	大连城山头海滨地貌国家级自然保护区
3	大连长山群岛国家级海洋公园
4	大连金石滩国家级海洋公园
5	大连星海湾国家级海洋公园
6	荣成大天鹅国家级自然保护区
7	*长岛国家级自然保护区
8	蓬莱国家级海洋公园
9	蓬莱登州浅滩国家级海洋生态特别保护区
10	长岛国家级海洋公园
11	烟台牟平沙滩海岸国家级海洋特别保护区
12	烟台山国家级海洋公园
13	烟台芝罘岛群国家级海洋特别保护区
14	烟台莱山国家级海洋公园
15	威海刘公岛海洋生态国家级海洋特别保护区
16	文登海洋生态国家级海洋特别保护区
17	刘公岛国家级海洋公园
18	乳山市塔岛湾海洋生态国家级海洋特别保护区
19	威海小石岛国家级海洋生态特别保护区
20	大乳山国家级海洋公园
21	威海海西头国家级海洋公园
22	海阳万米海滩海洋资源国家级海洋特别保护区
23	莱阳五龙河口滨海湿地国家级海洋特别保护区
24	青岛胶州湾国家级海洋公园
25	青岛西海岸国家级海洋公园
26	日照国家级海洋公园
27	盐城珍稀鸟类国家级自然保护区
28	大丰麋鹿国家级自然保护区
29	江苏小洋口国家级海洋公园
30	江苏连云港海州湾国家级海洋公园
31	江苏海门蛎蚌山国家级海洋公园

MPAs
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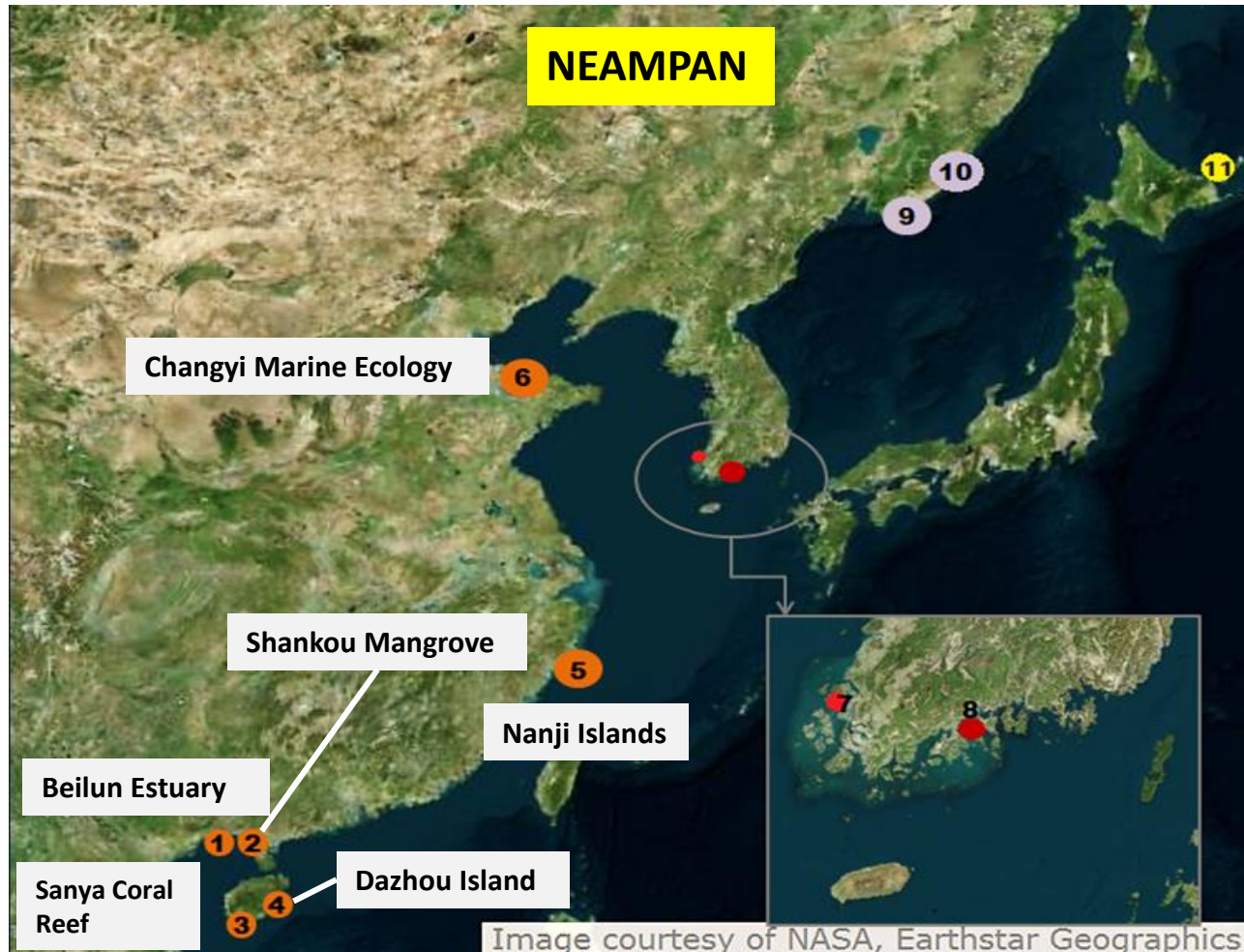
ID	name
1	崂山列岛刺参国家级水产种质资源保护区
2	长岛皱纹盘鲍、光腓球海胆国家级水产种质资源保护区
3	海州湾大竹蛭国家级水产种质资源保护区
4	靖海湾松江鲈鱼国家级水产种质资源保护区
5	海州湾中国对虾国家级水产种质资源保护区
6	蒋家沙竹根沙泥螺文蛤国家级水产种质资源保护区
7	灵山岛皱纹盘鲍刺参国家级水产种质资源保护区
8	靖子湾国家级水产种质资源保护区
9	乳山湾国家级种质资源保护区
10	前三岛海域国家级水产种质资源保护区
11	小石岛刺参国家级水产种质资源保护区
12	桑沟湾国家级水产种质资源保护区
13	三山岛海域国家级水产种质资源保护区
14	荣成湾国家级水产种质资源保护区
15	千里岩海域国家级水产种质资源保护区
16	日照海域西施舌国家级水产种质资源保护区
17	长岛许氏平鲷国家级水产种质资源保护区
18	如东大竹蛭西施舌国家级水产种质资源保护区
19	大连獐子岛海域国家级水产种质资源保护区
20	大连园岛海域国家级水产种质资源保护区
21	大连碧岩礁海域国家级水产种质资源保护区

AGRCZ
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1. Develop of Marine Protected Areas in China



Strengthen the MPA network



1. Develop of Marine Protected Areas in China



Strengthen the MPA network

China		
1	Beilun Estuary National Marine Nature Reserve	Ramsar site (2008)
2	Shankou Mangrove National Marine Nature Reserve	UNESCO-MAB Biosphere Reserve (2000); Ramsar site (2002)
3	Sanya Coral Reef National Nature Reserve	
4	National Nature Reserve of Dazhou Island Marine Ecosystems	
5	Nanji Islands National Marine Nature Reserve	UNESCO-MAB Biosphere Reserve (1998)
6	Changyi National Marine Ecology Special Protected Area	

1. Develop of Marine Protected Areas in China



Legislation and regulations

Article 21:

State Council departments and coastal provincial people's governments shall, according to the need to protect the marine ecosystem, electing & planning, the establishment of **marine nature reserves**.

Article 23:

Where has a special geographical conditions, ecosystems, biological and non-living resources, marine development and utilization region for special needs, shall establish **marine special protection areas** and take effective protection measures with scientific approach for management.



1. Develop of Marine Protected Areas in China

Part of Technology standards for MPAs

National standard (GB/T17504-1998)

Principles of type and level of classification of marine nature reserves

National Standard (GB / T 19571-2004)

Technical specifications of marine nature reserve management

National Standard (GB / T 25054-2010)

Selection technology guidelines of marine special protection areas

Marine industry standards (HY / T 117-2010)

Special marine protected area classification and grading standards

Marine industry standards (HY/T118-2010)

Technical guidelines for the preparation of overall planning, function zoning in marine special protection areas

1. Develop of Marine Protected Areas in China



2. Ways to increase awareness and cooperative actions of governments and society

Regulations building

Public awareness

Community co-management

Training

2. Ways to increase awareness and cooperative actions of governments and society

Regulations building

The Administrative Measures of MNR (1995);

The Administrative Measures of MSPA (2010).

- Every institute and individual has the duty to protect MPAs and MNRs, and also obligations to report destructive and invasive behaviors on them.
- Mechanisms should be established for **stakeholder** and government departments to coordinate activities with the sea, which beyond the duty of MPA management authority.
- Administrative agencies of MSPAs should organize institutes and individuals within the region to take part in the construction and management of MSPAs, gathering joint management and protection from **local community residents** and making cooperation projects, **community development plan**, overall plan and management plan with them.
-

2. Ways to increase awareness and cooperative actions of governments and society

Designation

- Random investigation in individuals and businesses around the protected area ,including staff, worker, coastal resident, fisherman.
- Analyze the public participation and write the conclusion into the designation and declarations.

Questionnaire

一、被调查者情况				
姓名	性别	职业	年龄	文化程度
工作单位		住址		电话
二、拟建海洋特别保护区情况简介				
三、公众对海洋特别保护区选划的了解程度及态度				
1 您对海洋特别保护区的总体了解程度? 比较了解() 不了解() 比较了解()				
2 您认为当地社会经济发展现状如何 好() 一般() 较差()				
3 您认为当地的海岛、海域环境状况如何 好() 一般() 较差()				
4 您认为拟选海区目前最需要做什么? 资源、环境保护() 资源开发() 基础设施建设() 说不清楚()				
5 海洋特别保护区建设是否有利于推动拟选海区及所在(市、区)县域社会经济的发展? 有利() 不利() 作用不大() 说不清楚()				
6 海洋特别保护区建设是否有利于提高海区居民的生活质量? 有利() 不利() 作用不大() 说不清楚()				
7 海洋特别保护区建设对海区旅游业的发展是否有利? 有利() 不利() 作用不大() 说不清楚()				
8 海洋特别保护区建设对本地区渔业生产的影响? 影响较大() 影响不大() 采取措施后可以接受() 不清楚()				
9 海洋特别保护区建设是否有利于改善海洋环境? 有利() 不利() 作用不大() 说不清楚()				
10 您认为海洋特别保护区建设是否有利于提高拟选海区及所在(市、区)县域的知名度? 有利() 不利() 作用不大() 说不清楚()				
11 您认为拟选海区今后应采用什么发展方式? 更多保护() 更多开发() 保护与开发并重() 说不清楚()				
12 您是否同意将海洋特别保护区功能区的划分? 同意() 基本同意() 不同意() 无所谓()				
13 您对海洋特别保护区建设的总体看法和态度? 支持() 反对() 无所谓()				
如反对, 请您写出反对该特别保护区建设的原因。				

2. Ways to increase awareness and cooperative actions of governments and society

Planning

- Convene a consultation on the plan of protected area among stakeholders.
- Their suggestions and responses would be written in the plan.



Dongying



Changyi

2. Ways to increase awareness and cooperative actions of governments and society

Public awareness

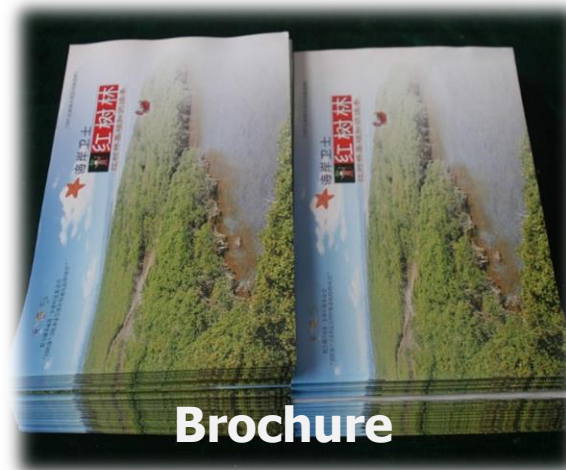
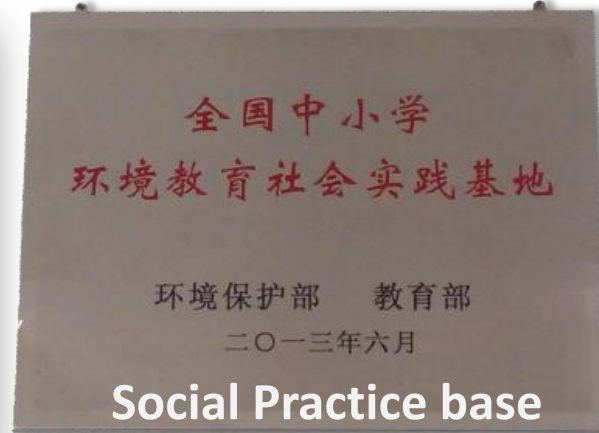
Establish science museum, education and other promotional sites;

Publish books and popular scientific literature;

Organize education and awareness-raising activities;

Enlarge cooperations and communications.

2. Ways to increase awareness and cooperative actions of governments and society



2. Ways to increase awareness and cooperative actions of governments and society

Community Co-management

- ◆ Establish co-management committee
- ◆ Establish protection association
- ◆ Organize volunteer activities

2. Ways to increase awareness and cooperative actions of governments and society

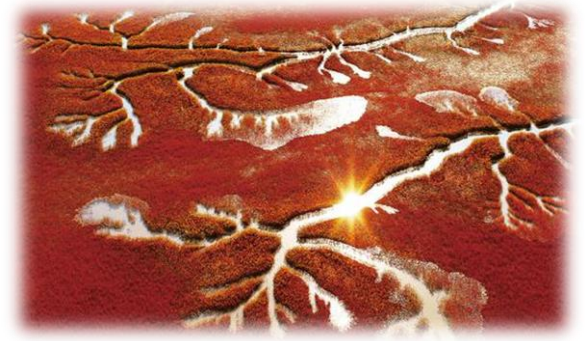
Community Co-management



2. Ways to increase awareness and cooperative actions of governments and society

Training





Thanks

