

1st report of WP5: China and Europe marine capacity building investigation.

An investigation of marine institutes, centres and organisations of SOA. It will be useful for mutual understanding and future cooperation.

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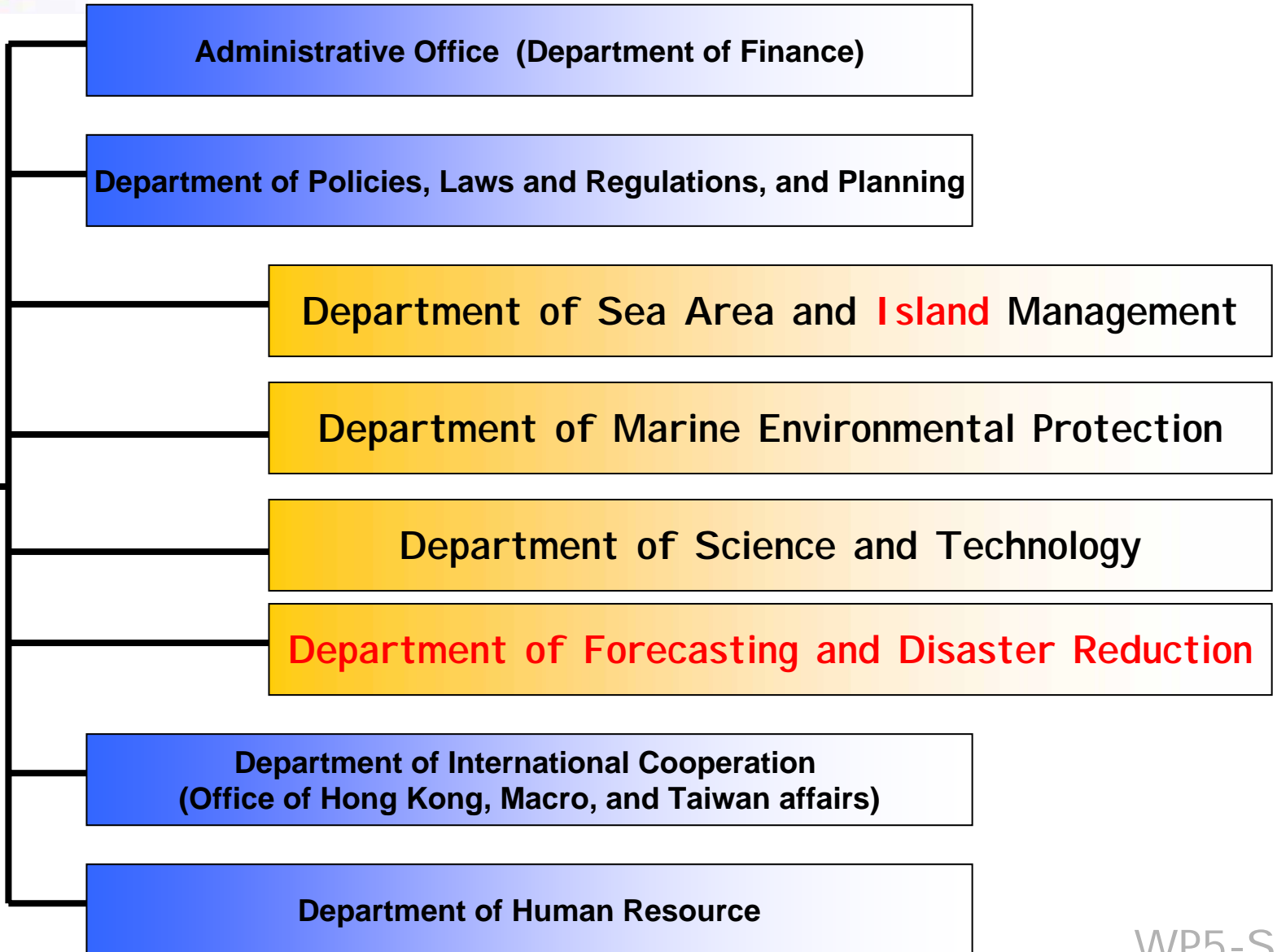
The State Oceanic Administration (SOA)

It is an administrative agency responsible for China marine affairs.

- ✓ supervise and manage the sea area use
- ✓ protect the marine environment
- ✓ safeguard the marine rights and interests
- ✓ organize the marine science and technology research.



Organs of the headquarters of the SOA





Subordinate bodies of SOA

The regional administrative **Branches**

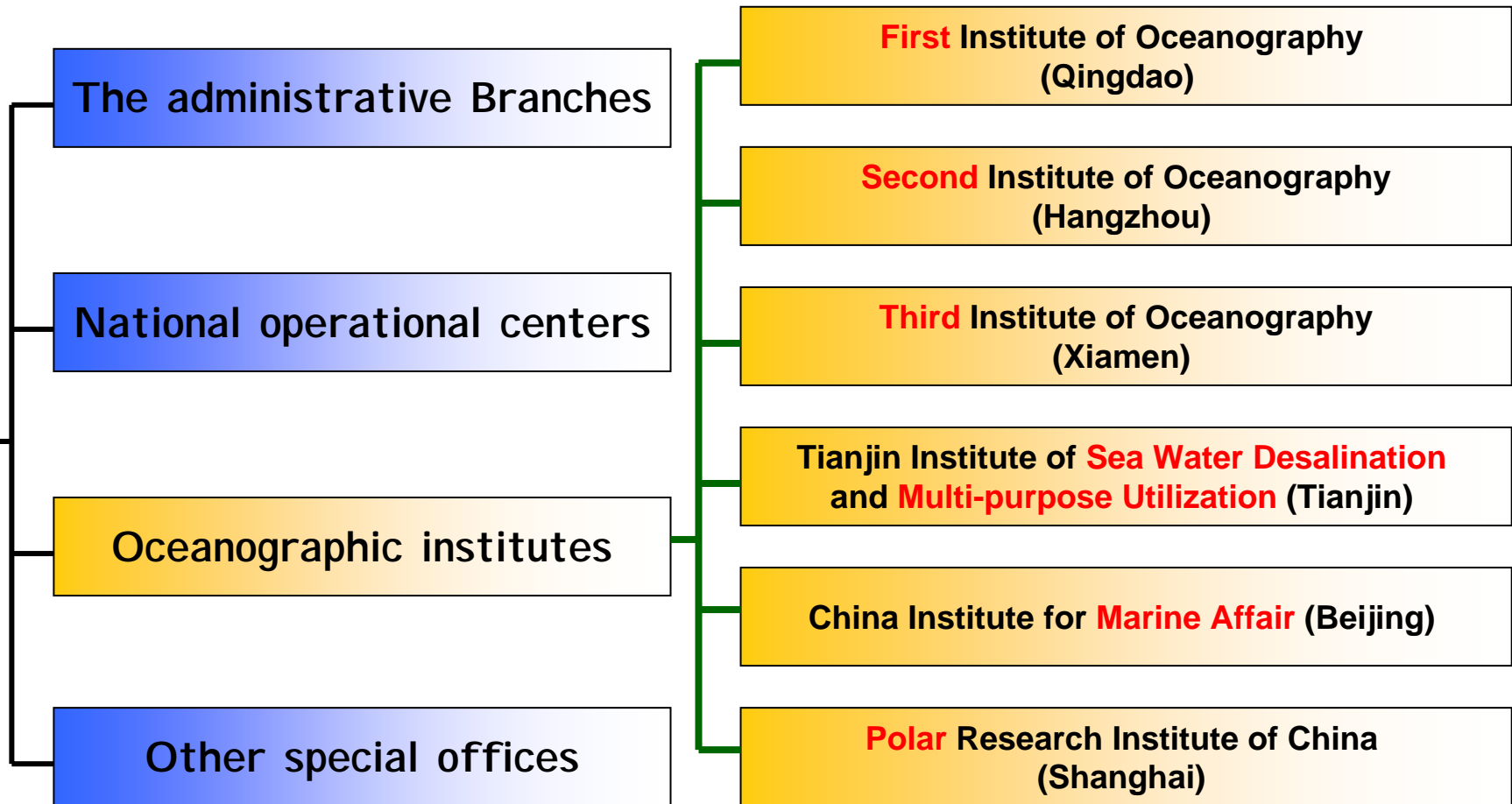
National operational **centres**

Oceanographic **institutes**

Other special **offices**



Subordinate bodies of SOA





The First Institute of Oceanography FIO/ SOA (Qingdao)

- 1) SOA key lab of marine science and **modelling**
- 2) SOA key lab of marine resources and environmental geology
- 3) SOA key lab of science and engineering marine ecology and environment
- 4) SOA key lab of marine bioactive substances

- 3 Academicians
- 74 senior scientists, 58 with Doctor's degree
- 5 Master program
- 2 Post-doctoral program

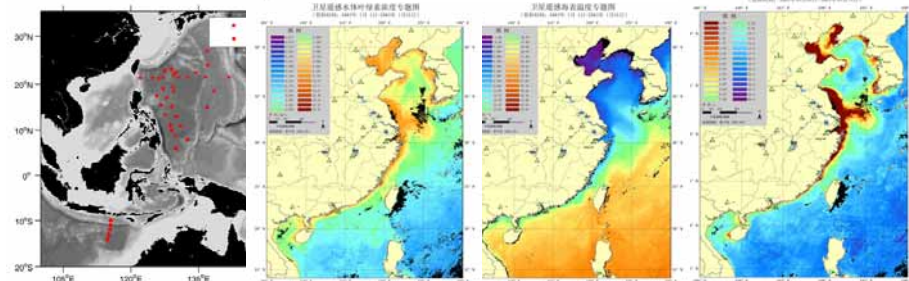


The Second Institute of Oceanography

SIO/ SOA

- 1) State key lab of **satellite ocean environment dynamics (SOED)**
- 2) SOA key lab of submarine geosciences (KLSG)
- 3) SOA key lab of marine ecosystem and biogeochemistry (LMEB)

- 3 Academicians
- 75 senior scientists, 100 associate professors and senior engineers.
- Master program
- Post-doctoral program





The Third Institute of Oceanography

TIO/ SOA

1) SOA key lab of **marine biogenetic resources**

(China R & D base of ocean biogenetic engineering) ,

2) SOA key lab of global change and marine-atmospheric chemistry (GCMAC)

- 1 Academicians
- 44 senior Scientists and engineers
- Master program
- Post-doctoral program

The Tianjing Institute of Sea Water Desalination and Multi-purpose Utilization (SOA)

□ About 20 senior scientists and engineers

➤ Distillation desalination



➤ Counter-filter desalination



➤ water cooling



China institute for Marine Affair (CIMA) of SOA The Institute for Ocean Development Strategy

Research the strategic issues in medium and long term in the aspect of national marine polices, laws, economy, environment, resource, right and interests.



Polar Research Institute of China (PRIC) in Shanghai

For comprehensive studies of the polar region

41 scientific research, 26 operational support, and 34 sailormen.

Chinese Arctic and Antarctic Administration (CAA) in Beijing

For the organization of Chinese Arctic and Antarctic Scientific Program, as well as logistic support to the polar expedition.



1985 Antarctic
Great Wall Station



1989 Antarctic
Zhongshan Station



2004 Arctic
Yellow River Station



R/V "Jidi-1"
Retired in 1994



R/V "Xuelong"
GRT 21025

- 24 Antarctic scientific cruises
- 3 arctic scientific cruises



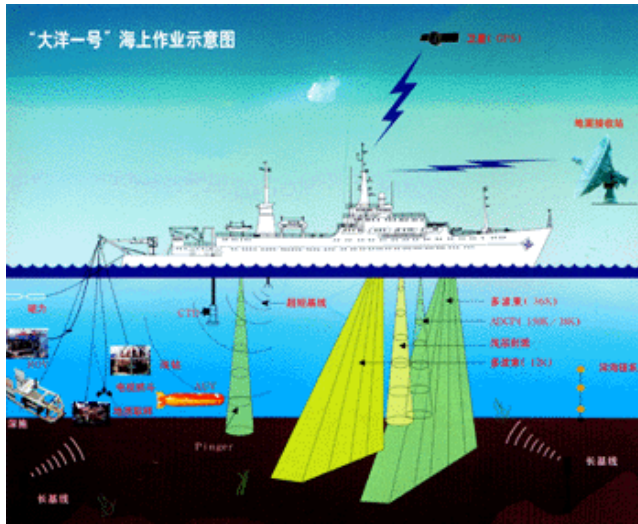
Office of China Ocean Mineral Resources Research and Development Association (Beijing)



R/V "Dayang-1"

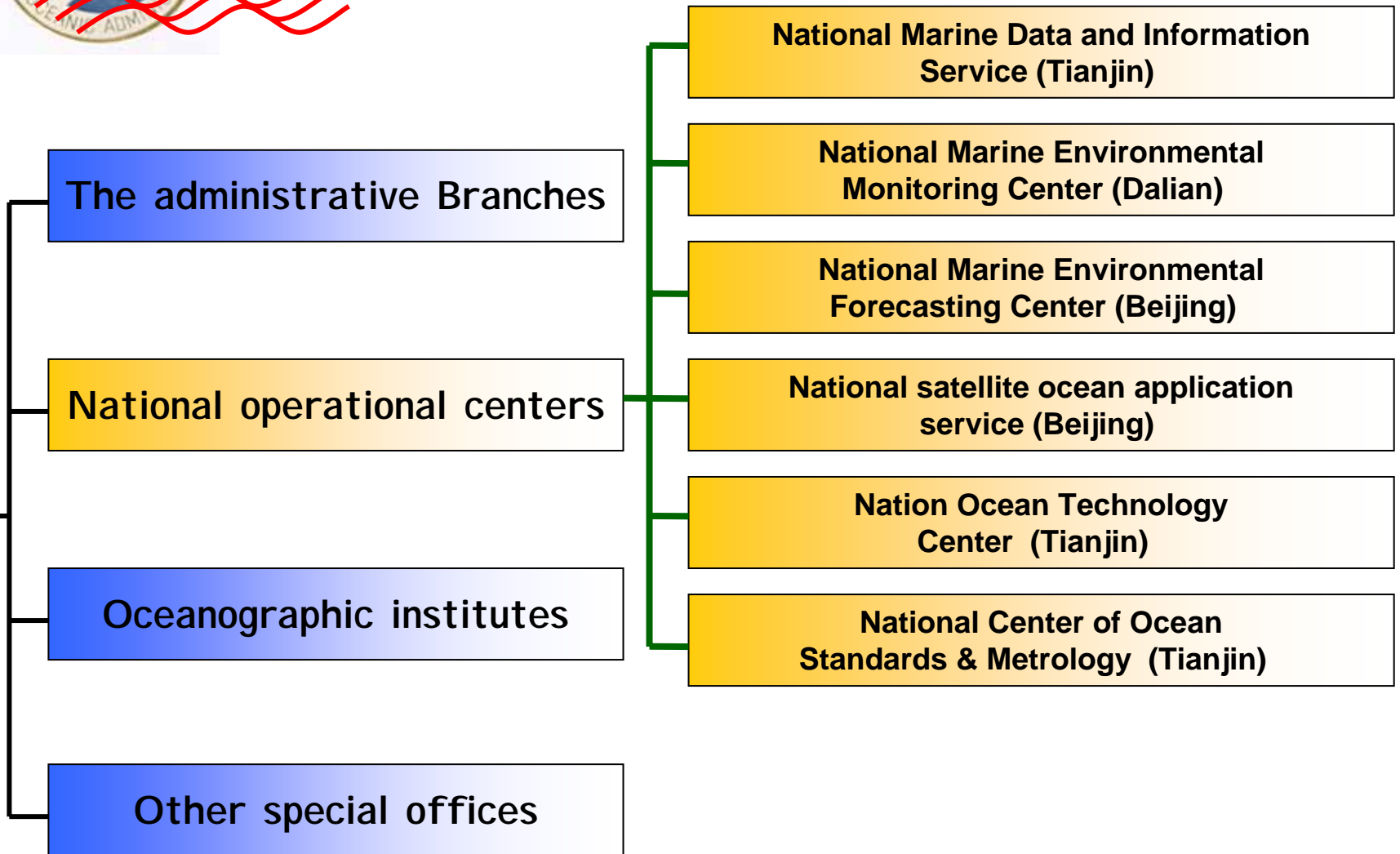
COMRA is an organization of coordinating the activities of deep sea bed exploration and exploitation of its member units.

The first cruise around the world
in 2005-2006

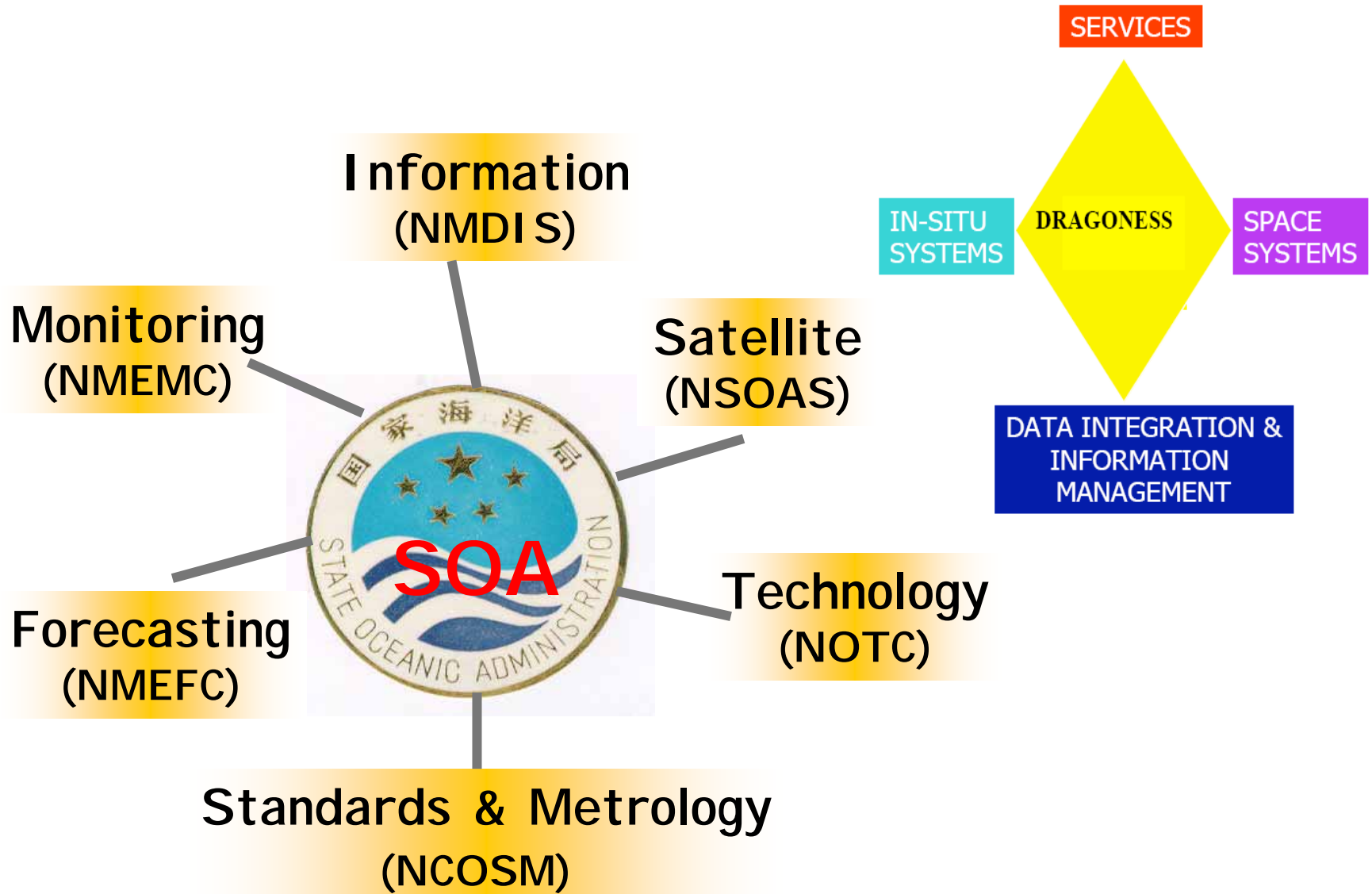




Subordinate bodies of SOA



National operational centres of SOA





The National Marine Data and Information Service (NMDIS)



SOA of RPC
<http://www.soa.gov.cn>

China Oceanic Information Network
<http://www.coi.gov.cn>

Oceanic Person with Ability Network
<http://www.ohrc.org.cn>

China ARGO Data Center
<http://www.argo-cndc.org>

Oceanic scientific Data Center
<http://mds.coi.gov.cn>

Sustainable Development in China (marine part)
<http://sdinfo.coi.gov.cn>

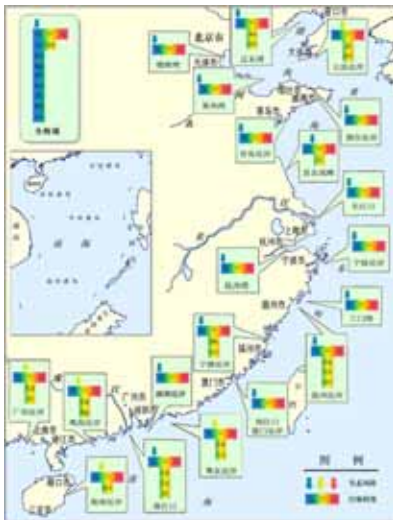


The National Marine Environmental Monitoring Centre (NMEMC)

Institute of Marine Environmental Protection

organization, technical management and support of the nation-wide marine environmental monitoring

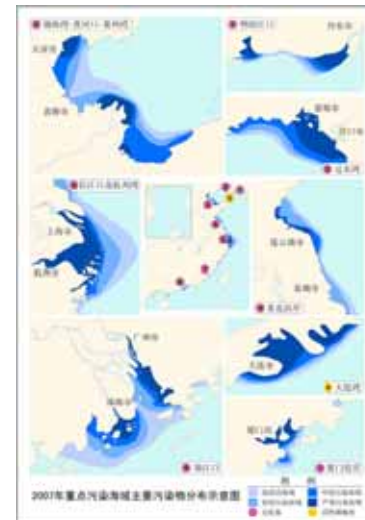
Annual Report of National Marine Environment quality



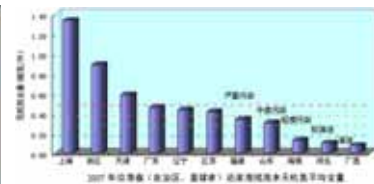
Sediment pollution and potential biological risk



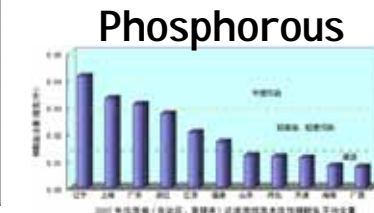
Water quality classification



Distribution of pollutant



Nitrogen



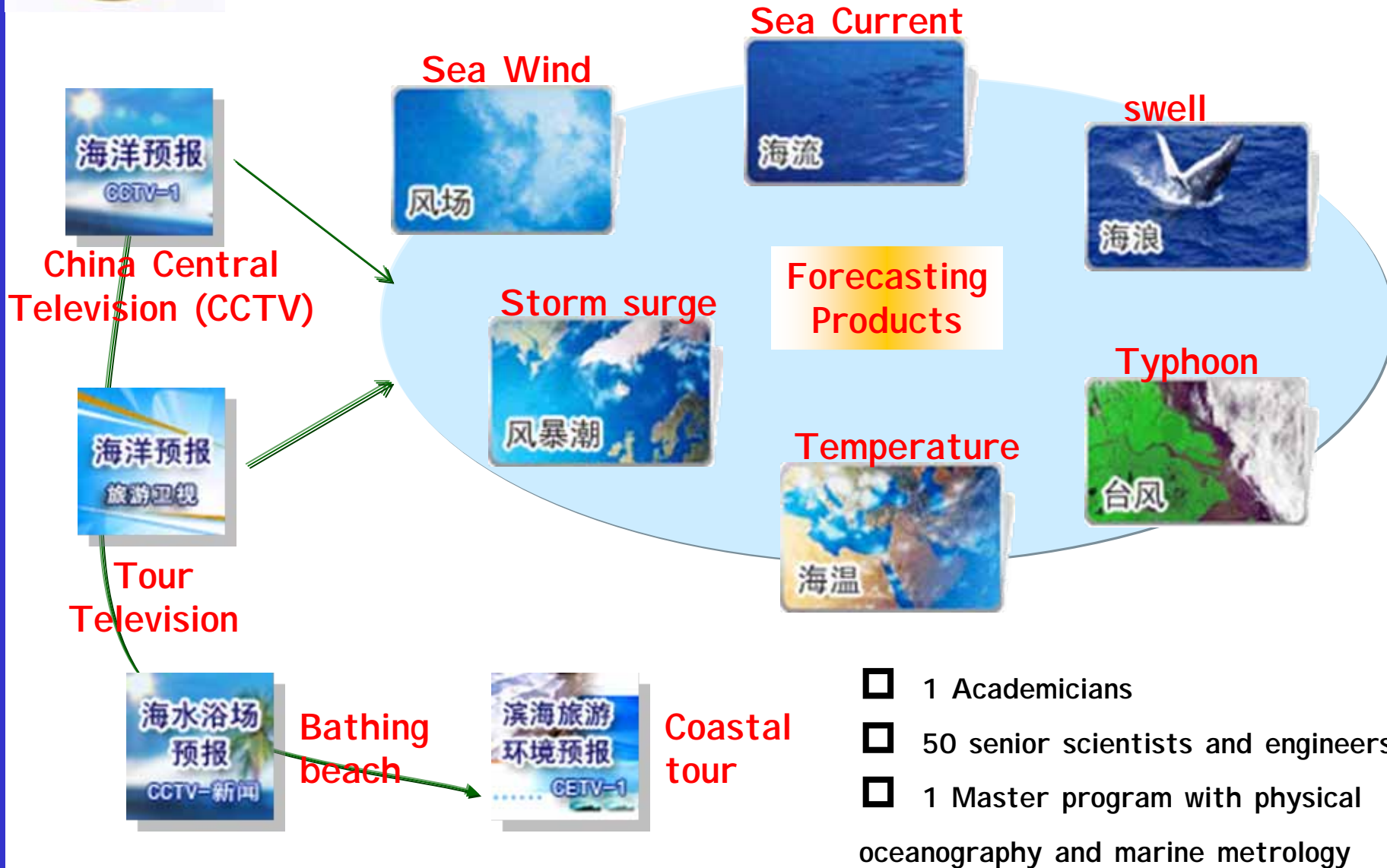
Phosphorous

(e.g. 2007)



The National Marine Environmental Forecasting Center (MNEFC)

State Oceanic Administration



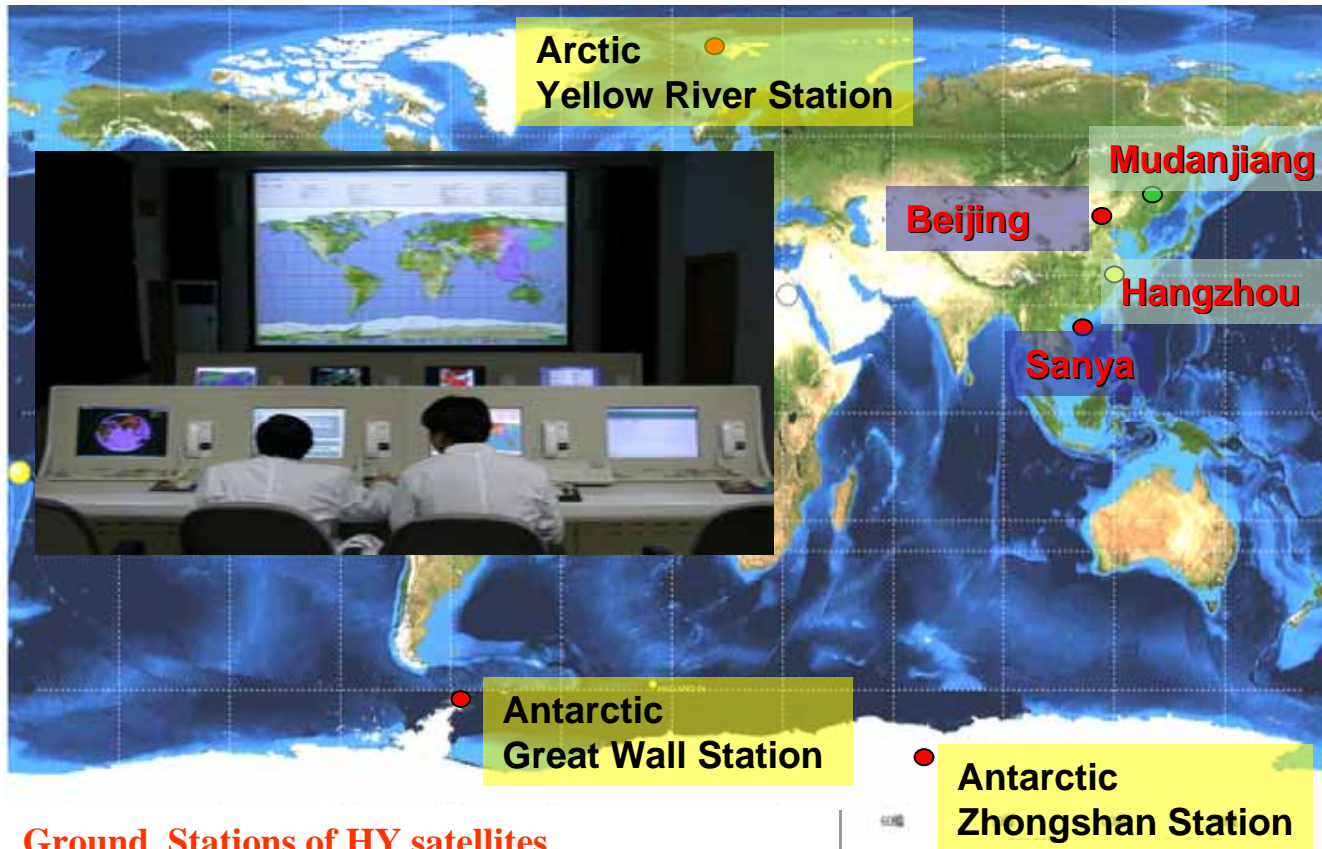
- 1 Academicians
- 50 senior scientists and engineers
- 1 Master program with physical oceanography and marine metrology



The National satellite ocean application service (NSOAS)



Operational running of Chinese ocean satellite series and its application, and the calibration and validation campaign of the ocean satellite.



Ground Stations of HY satellites

The national ocean technology center (NOTC)

- For the management and development of national marine technology,
- Research of marine monitoring technology
- International cooperation and exchange in marine technology.

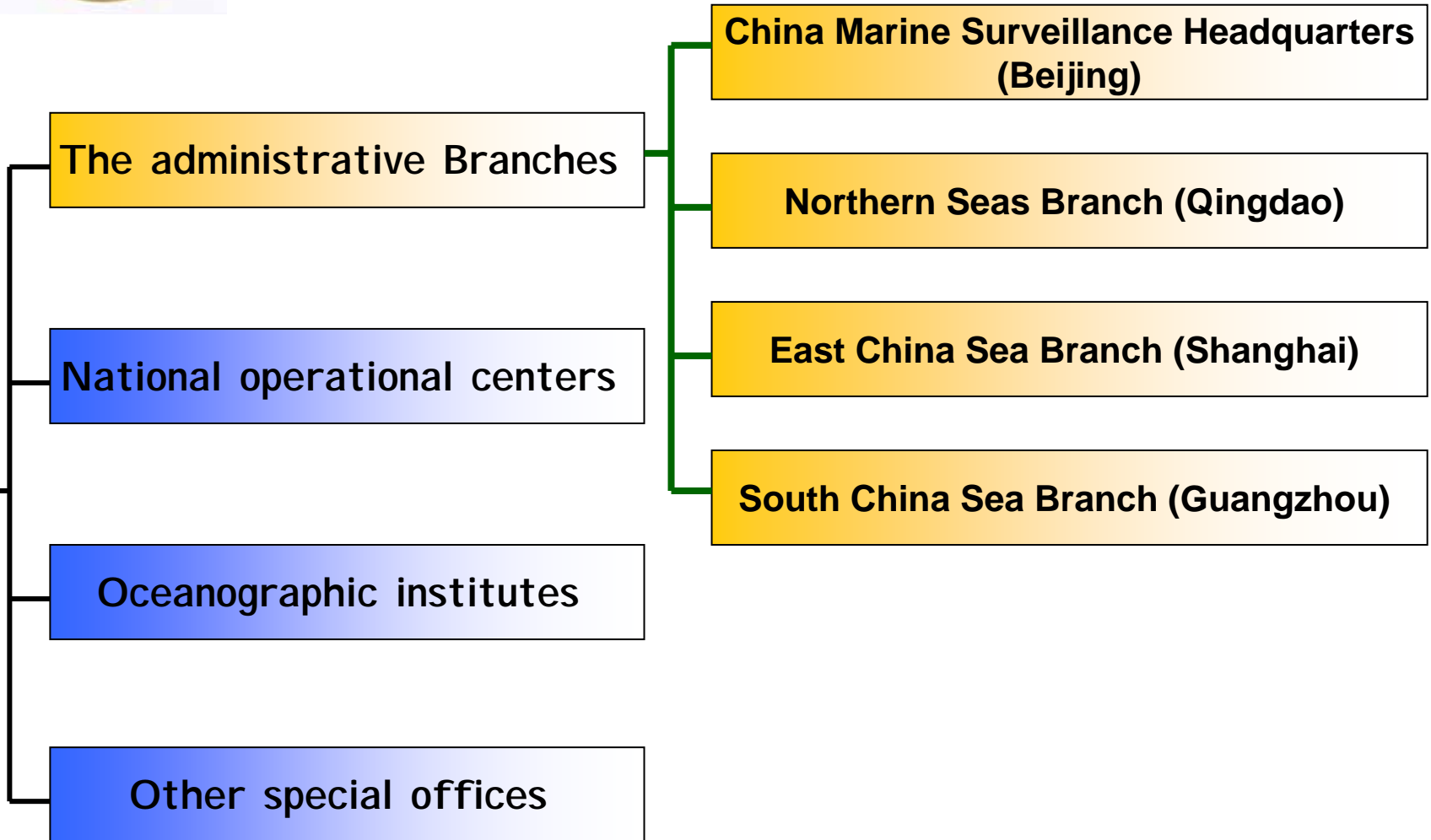
National Centre of Ocean Standards & Metrology (NCOSM)



- also guided and supervised by the State Bureau of Quality Technical Supervision professionally.



Subordinate bodies of SOA





The regional Branches of SOA

Engages in comprehensive oceanic management of coastal sea, continental shelf and exclusive economic zone in its jurisdictional area , and the scientific research support.

巡航监视:



海洋石油勘探开发监视



港口监视



陆源污染监视



入海河口监视



海砂采挖监视



疏浚倾废监视



海域使用监视

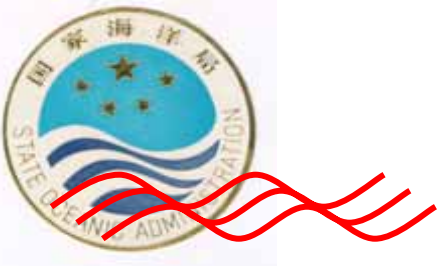
赤潮监视:



赤潮灾害监视



赤潮红紫外图像



**China Marine Surveillance Headquarters
(Beijing)**



**9 sub-brigades of surveillance fleets
3 airborne brigades
(more than 100 vessels, 9 airplanes)**

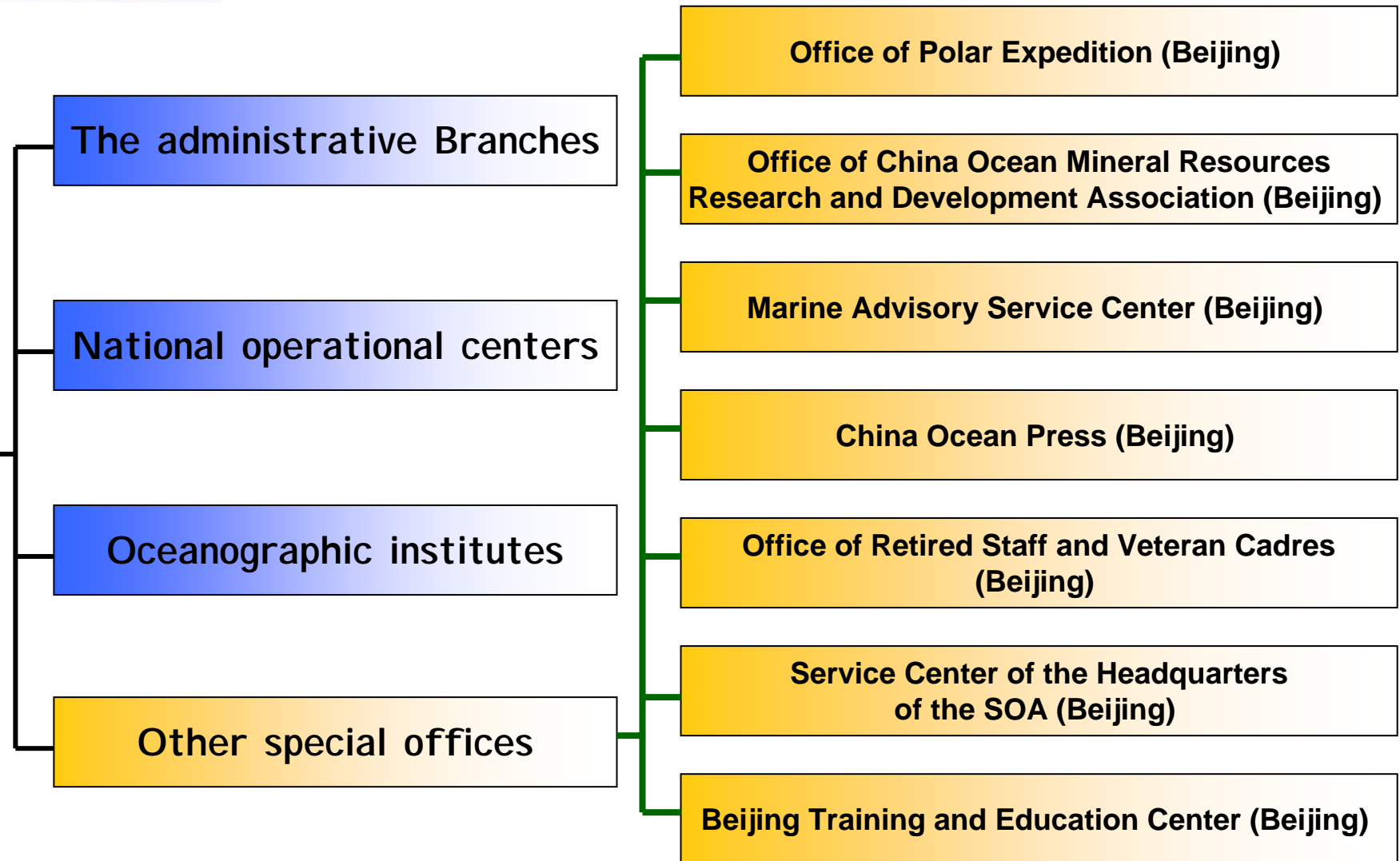


**Regional Branches
in Qingdao, Shanghai, and Guangzhou**



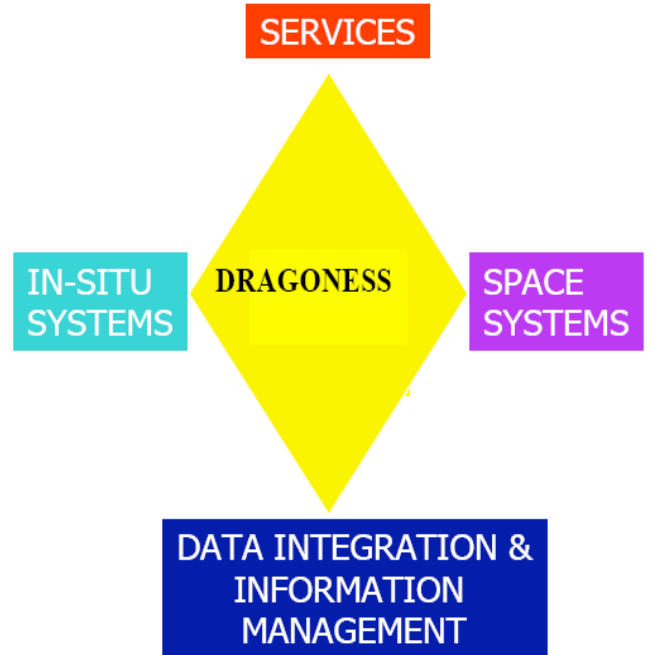
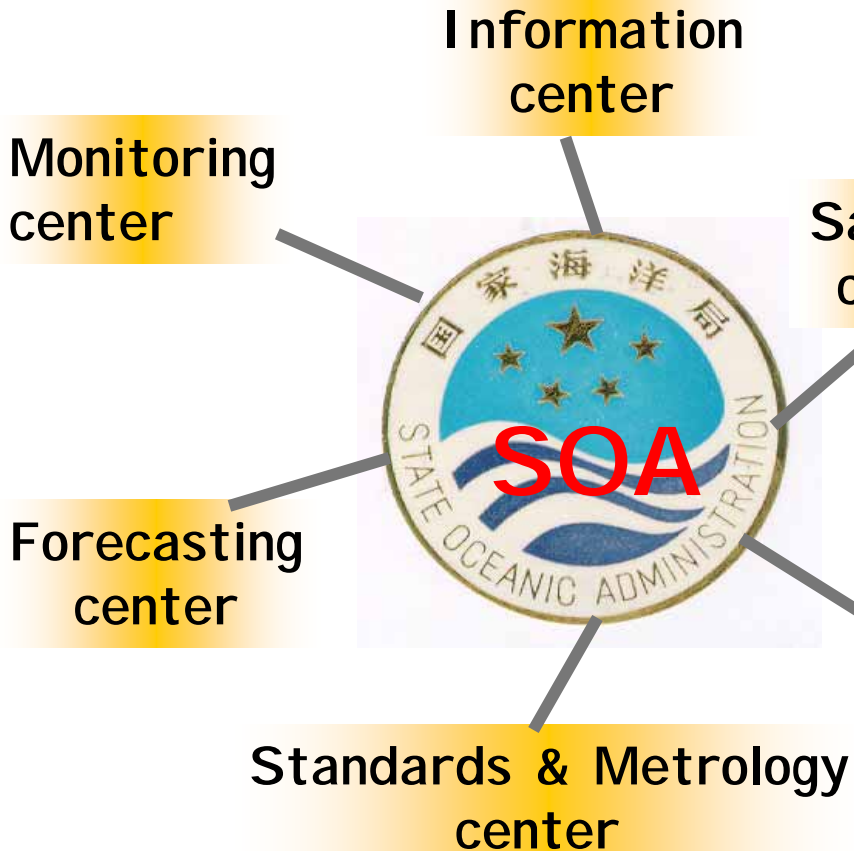


Subordinate bodies of SOA





Summary (1)



Surveillance fleets (ship and airborne)

Polar office and institute

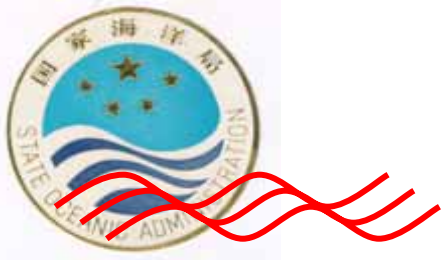
3 Comprehensive Oceanography Institutes

Open Ocean and mineral



Summary (2)

All of the subordinate bodies of SOA constitute a solid scientific and technological foundation in marine affairs, which have abundant equipments and infrastructure, large scientific research team, and complete subjects, making the significant contribution for the national ocean scientific progress and economic development.



Thank you!

WP5 for Dragoness

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