

# The Contribution of Marine Economy to the National Economic Development of China

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# Researches of marine economics contribution & relational instruments of centre government of China

- In 1994-1995, We began to account of the marine resources value.
- In 1995, the State Planning Commission, the State Commission on Science and Technology, and the State Oceanic Administration jointly issued *the National Marine Development Plan*.
- In 1996, *China Ocean Agenda 21* was promulgated.
- In 2003, the State Council formally issued *the Outline of the National Marine Economic Development Plan*.
- In 2008, *Outline of the National Marine Affairs Development Plan* issued by the State Council.

# Research Introduction

- *Based on the information of the development of Chinese national economy, coastal economy and marine economy for many years, in light of two levels in terms of national and coastal area, focusing on the over-all ocean economy and the major marine industries, analyzes the major contribution of the marine economy development to the national economic development of China.*

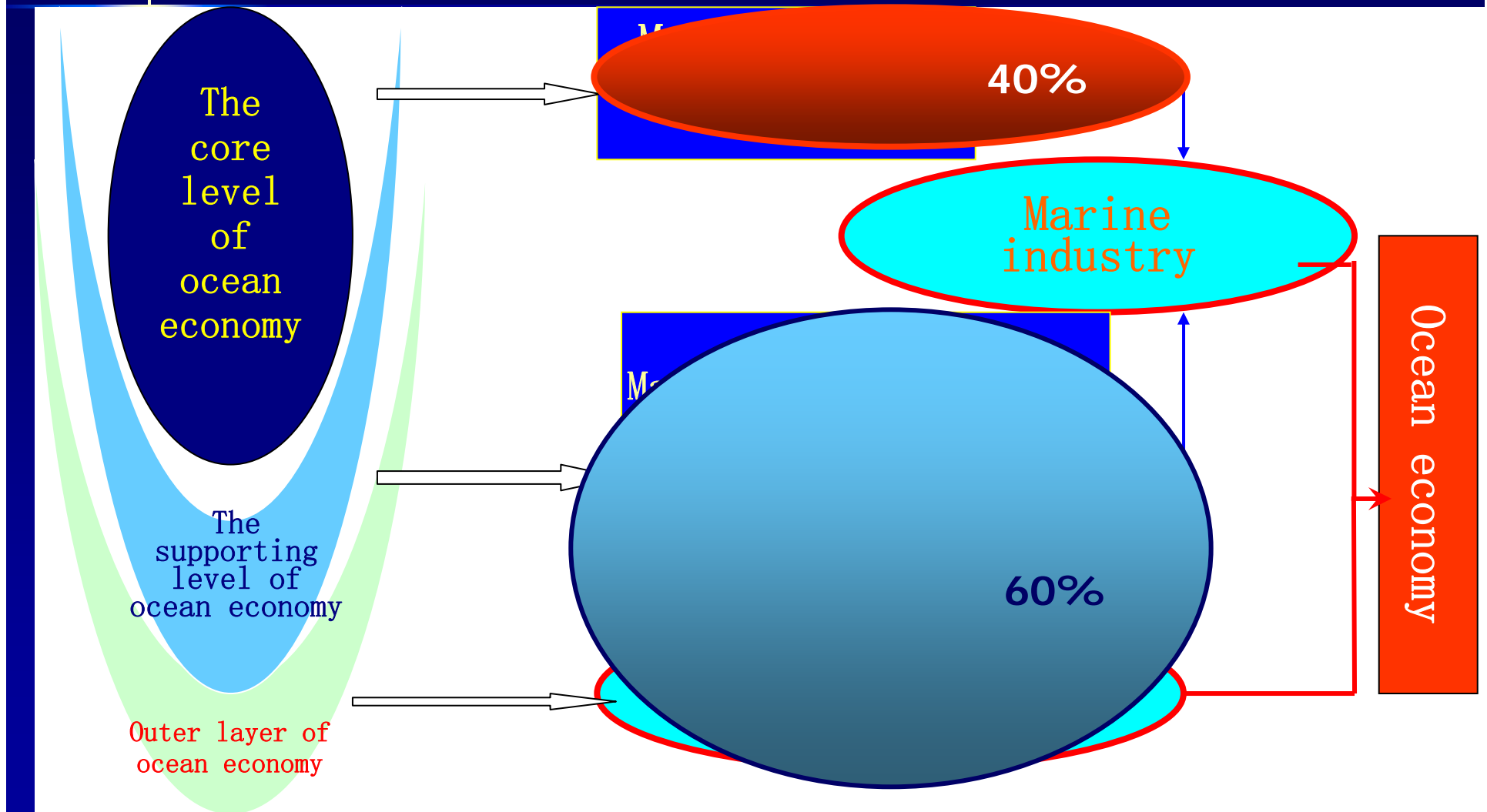
# Concept

- Marine economy is the total sum of a variety of industries developing and using the ocean and the related economic activities.
- Marine industries are all production and service activities engaged by the mankind using marine resources and space.

# Definition & Meaning

- **The major marine industries** include marine fisheries, marine transportation and communications, offshore oil and natural gas, coastal tourism, marine shipping, sea salt and marine chemical industry, desalination and multipurpose use of sea water, and marine biological pharmacy, etc. (see the graph)
- **Related activities**
  - basic work, incl. marine investigation, ocean mapping, marine resources exploration, etc.
  - marine scientific and technological research and development.
  - marine resource and environment protection

# the conceptual graph of the statistic system of ocean economy of China



# Component of Marine economy

## Marine industries

## Ocean-related industries

### Main marine industries

### Industries of Marine Scientific Research, Education, Management and Service

- Marine fishery Industry
- Offshore oil & Natural gas
- Marine mining industry
- Ship building industry
- Marine salt
- Marine chemical
- Marine Biological Pharmaceutical
- Marine Engineering Architecture
- Marine Electric Power
- Marine Seawater utilization
- Port and ocean shipping and transportation
- Coastal tourism

- Marine science study
- Marine education
- Marine information service
- Marine technological service
- Marine environmental protection
- Marine geological prospecting
- Marine insurance and social
- Marine administration and public-good service
- Marine NGOs and international organizations

- Marine agriculture and forestry
- Equipment Manufacturing
- Manufacturing & processing of ocean-related products and materials
- Marine construction and installation
- Marine wholesale and retail
- Ocean-related service industry

# Spectrum of China's Marine Industries (1)

- Primary marine industries refer to: aquatic products in marine fishery, service industry for marine fishery, and other ocean-related industries in primary industries

# Spectrum of China's Marine Industries (2)

- Secondary industry refer to: processing of aquatic products, offshore oil and natural gas, marine mining industry, sea salt industry, marine chemical industry, marine biological pharmacy, marine electric power, multipurpose use of sea water, ship building, marine engineering architecture, and other ocean-related industries in the secondary industries

# Spectrum of China's Marine Industries (3)

- Marine tertiary industries/service sectors refer to those industries except those in the above two categories, which mainly include: marine transportation, coastal tourism, service industry of marine science & technology and education, and other ocean-related industries in the category of tertiary industries.

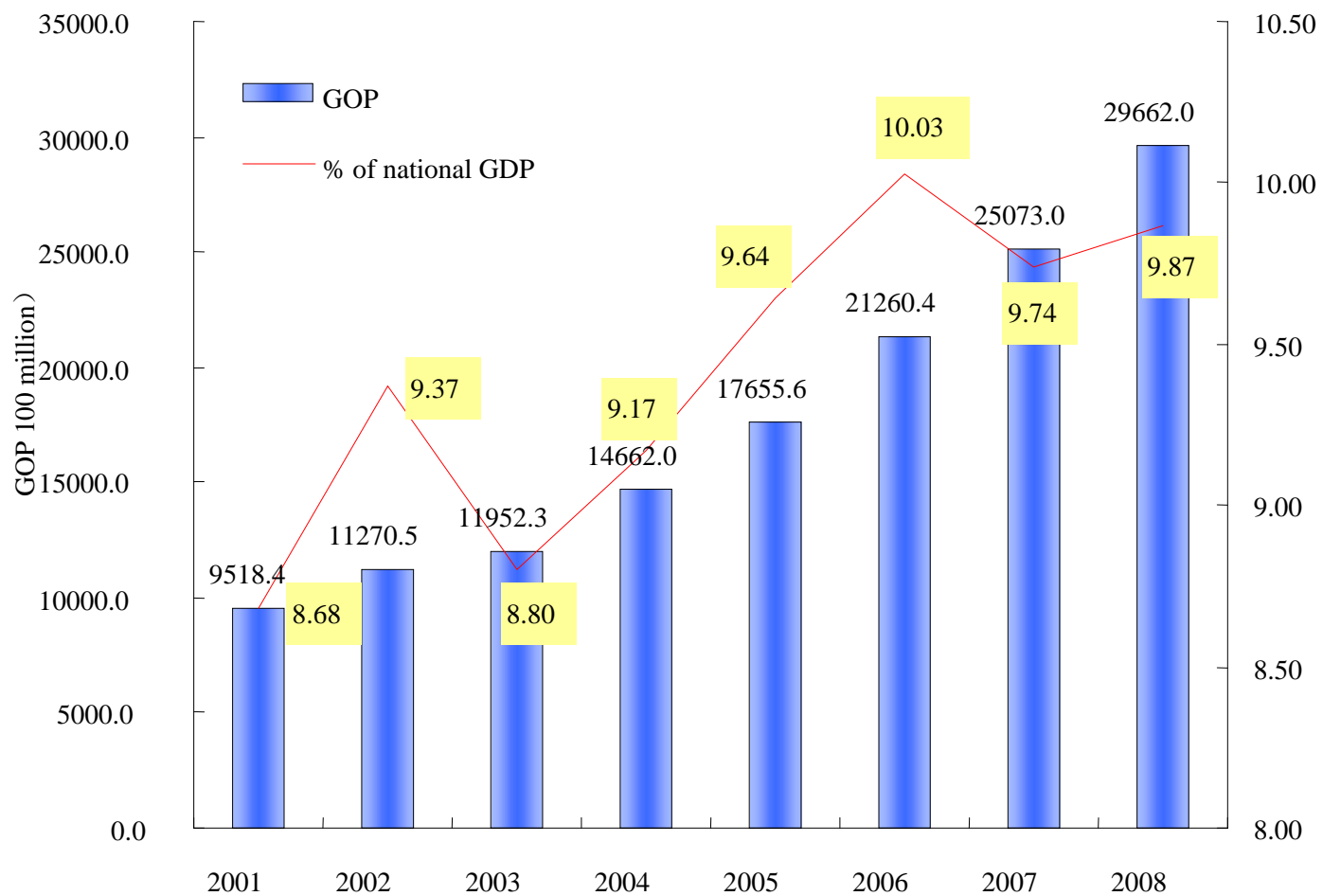
# *Status-----* In 2008

- marine economy of China continued to keep its high growth rate and higher than that of average national economy of the same period.
- The national ocean GDP is 2,966.2 billion RMB, accounting for 9.87% of national GDP. It accounts for 15.8% of GDP of the coastal area of China.
- The total added-value of marine industries is 1,735.1 billion RMB.
- The total added-value of ocean-related industries is 1,231.1 billion RMB.
- The total added-value of the First marine industry is 160.8 billion RMB, the Second is 1,4026.1 billion RMB, the Third is 1,402.8 billion RMB. The structure of three industries is 5:47:48.
- The number of ocean-related employee in China is about 32.18 million, among which 0.67 million are new employees.

## The contribution of marine economy to the national economy

- From 2001 to 2008, the contribution rate of marine economy to national economy increased from 8.5% to 9.87%.
- Based on such high growth rate, it could be concluded that ocean economy has become one of the important components of national economy of China.

# National ocean GDP (GOP) and its percentage in national GDP (2001-2008)



% of national GDP

## *major marine industries*

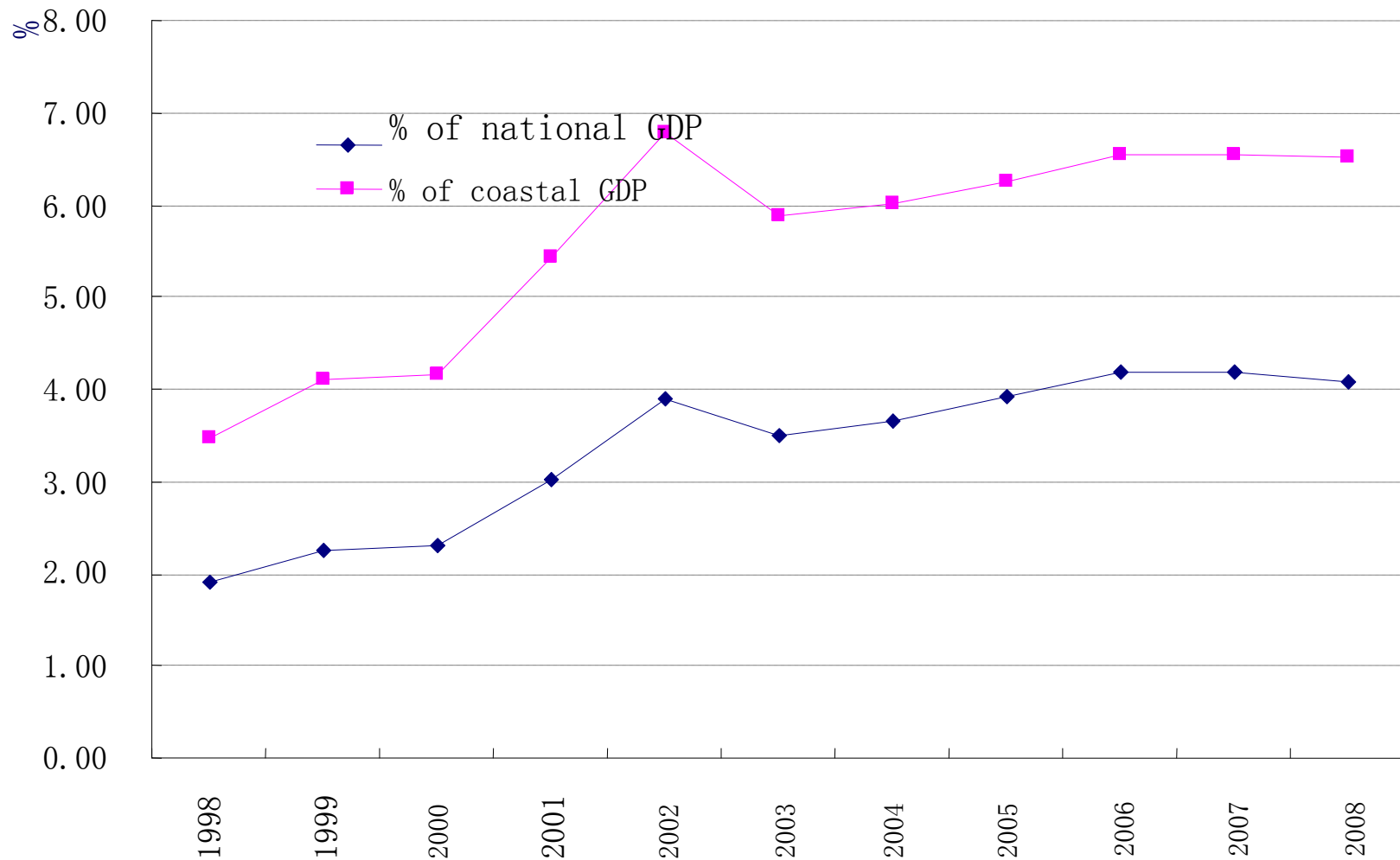
- In the decade between 1998 and 2008, the growth of added value of national major marine industries is huge.
- In 1998, it was 126.63 billion Yuan RMB, while in 2008 it reached 1224.3 billion Yuan RMB, almost 9 times higher.



## The contribution of major marine industries to the national & coastal economy

- The rate of added value of major marine industries in both national GDP and coastal GDP is rising, the former rises from 1.9% up to 4%, and the later from 3.5% to 7%.

# The contribution of added value of major marine economy to national GDP and coastal GDP (1998-2008)



# National Plans and Policy on Marine Economy in China

## ◆ Outline of the National Marine Economic Development Plan, issued by the State Council in May 2003.

- ◆ The objective of national marine economic growth: By 2005, the added value of marine industries is to account for about 4% of GDP, and over 5% by 2010, and marine industries will gradually grow to be the pillar sector of national economy.

## ◆ Outline of the National Marine Affairs Development Plan issued by the State Council in Feb 2008.

- ◆ The objective of national marine economic growth: By 2010, GDP of marine economy will be over 11% of national GDP, and annual increased ocean-related employment will be over 1 million.



# Main conclusion

- Marine economy has become an important part of national economy of China.
- the contribution of marine economy to the coastal areas is of great importance.
- The contribution of major marine industries to the national economy is great.
- In the future, study and analysis of the contribution of marine economy to national economy of China needs to be conducted from more perspectives, involving more disciplines for further consideration and exploration.