

Biodiversity Protection in China

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1. GEF7-China Green and Carbon-Neutral Cities Project (2022-2027)



ChongQing:

32.12 million people in 82400km², urban rate 70.32%
Yangtze River through, Mountains area 76%

ChengDu:



21.19 million people in 14335km², urban rate 79.48%
National Part for Giant Panda



NingBo:

9.54 million people in 9816 km², urban rate 78.4%
With sea area 8355km², economic center with strong industry at the southern part of Yangtze River Delta



CCUD (China)

Thinktank

- Under National Development & Reform Commission with over 100 Researchers in P.R.China

Advantages

- Urbanization policy study through pilot monitoring approach
- Best urban practice research with direct field study
- Urban planning, including dev. planning, spatial planning, transportation planning
- Belt & Road Urban Alliance

Role in GEF7-China

- Knowledge Platform for Sustainable City in China
- Supporting national policy research and dialogue on sustainable urban dev.

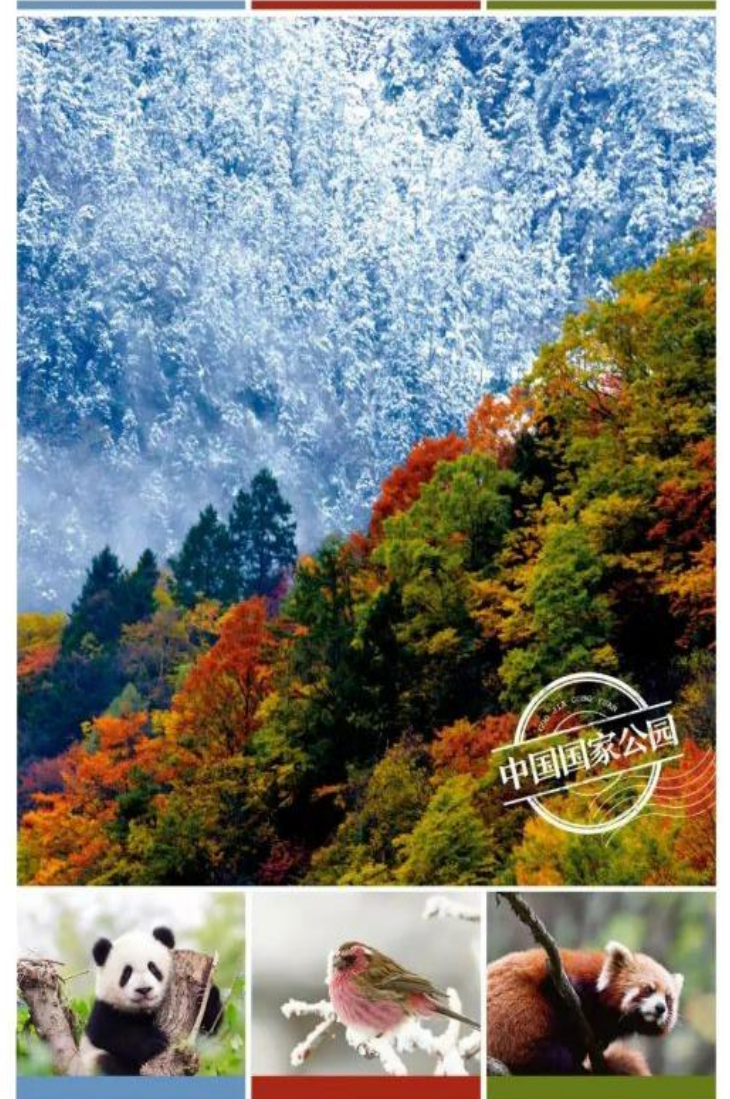


2. Actions on Bio-diversity Protection in China

Constructing National Nature Reserve System based on national parks

- the first National Nature Protection Reserve identified officially in Guangdong in 1956
- red line system for ecological protection
- first five national parks officially identified
 - Sanjiangyuan, Giant panda, Northeast Tiger and leopard, Hainan Tropical Rainforest and Wuyi Mountain National Park
- endangered species rescue projects

National Park for Giant Panda



"Banned from Fishing"

- the ten-year fishing ban was officially started in the key waters of the Yangtze River Basin from January 1, 2021

- **Chongqing Waters of the Yangtze River :**

Large-scale wild fish appeared, and reproduce offspring of the national second class protection animals **Procypris rabaudi** were found twice

- **Wuhan Waters of the Yangtze River :**

The Yangtze finless porpoises appeared in groups



Yangtze finless porpoise



WUshan County of
CHONGQING

More support on biodiversity protection is coming

- In 2021, The State Council Information Office of China released **white paper** "Biodiversity Conservation in China"
- In 2021, the 15th Meeting of the Conference of the Parties to the United Nations Convention on Biological Diversity (CBD COP15) was held in Kunming and **Kunming Declaration** adopted, **Kunming Biodiversity Fund** established for supporting biodiversity protection in developing countries
- In 2021, the General Offices of the CPC Central Committee and the State Council issued the **Opinions on Further Strengthening Biodiversity Protection**

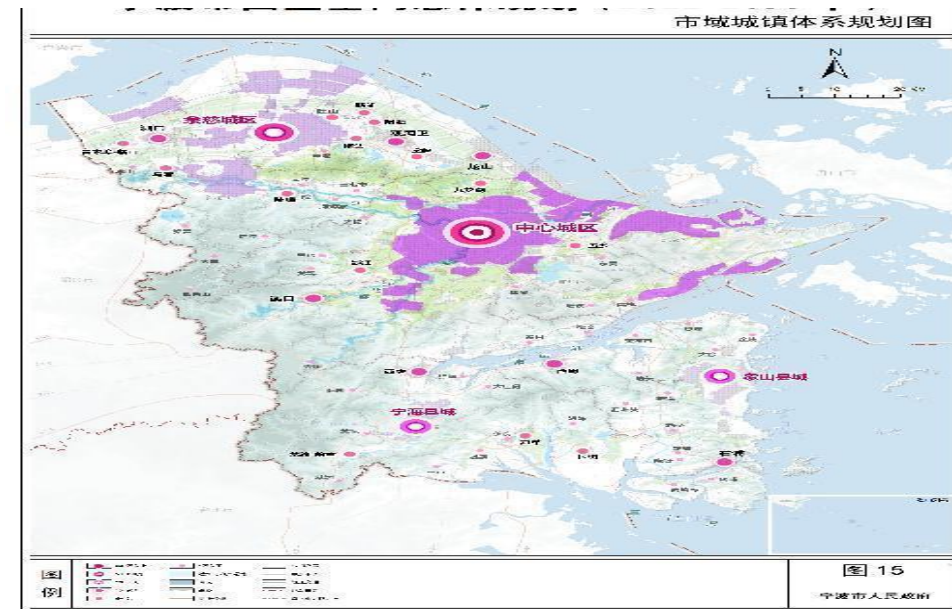
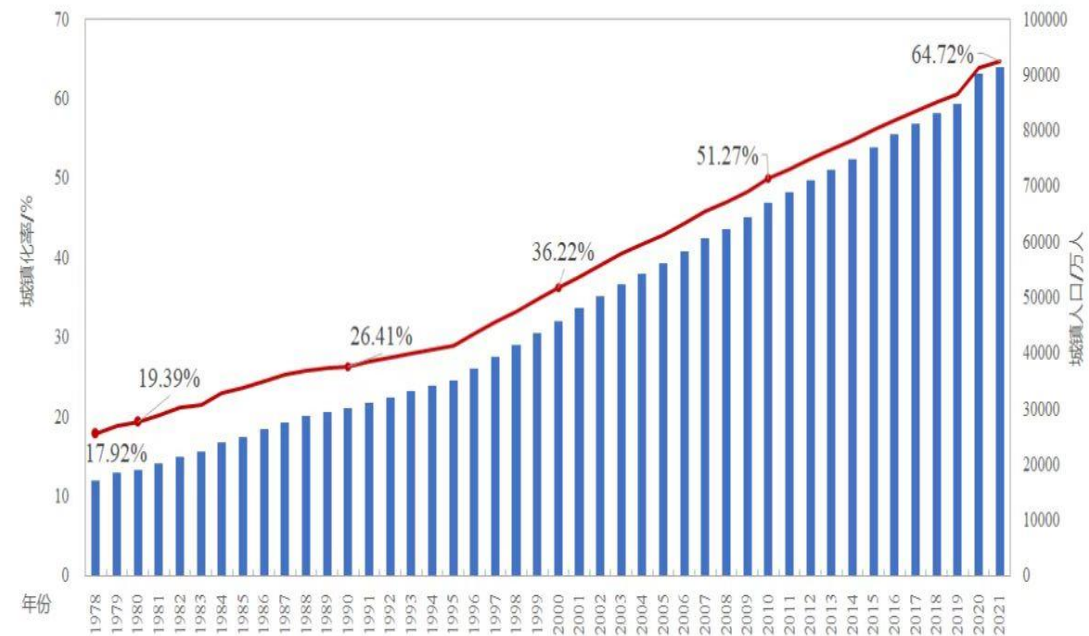


3、 Top three challenges in implementing urban biodiversity strategy in China

Challenge 1 With rapid urbanization and population growth, ecological resources are mainly scattered patches.

Challenge 2 Lack of standardized and quantitative observation and evaluation approach and index in urban biodiversity.

Challenge 3 Lack of effective access to public participation and private capital in biodiversity protection.



4. Biodiversity Protection in China: Case of Ningbo City

Wild Plant: 2183 species, including 51 National key protected wild plants;

Wild Animal

Terrestrial vertebrates : 546 species, including 91 National key protected wild animals;

Marine animal: 440 species of fish, 121 species of shrimp, and 240 species of crabs.



Echinotriton chinhaiensis

600 -----> 1000
Designation of nature reserves
Artificial breeding and Protection



Phalaenopsis zhejiangensis



Shaniodendron subaequale



Thalasseus bernsteini

2013 -----> 2022
New World Record: 93 Adult birds; 36 Young birds.

Biodiversity Protection in NingBo City



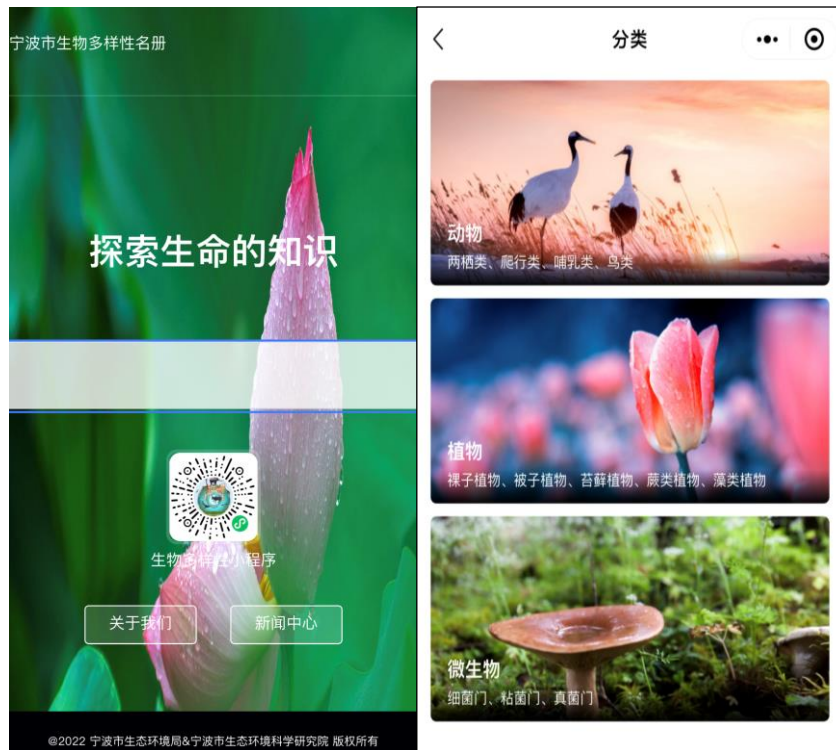
Management and monitoring agency:
**Ningbo Municipal Bureau of Ecology
and Environment**

The 14th Five-Year Plan for ecological and Environmental protection of Ningbo City

Target: By 2025, Ningbo city will complete the background investigations of biodiversity in the whole region.

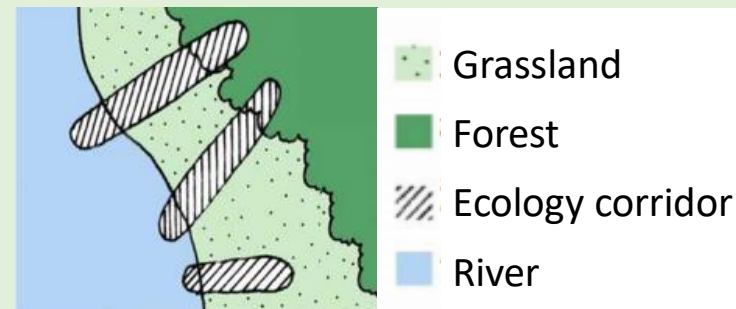


Strategy 1 Conduct baseline **Biodiversity Investigations**, and formulate a targeted strategy plan of biodiversity conservation.



Preliminary version of a visual
Biodiversity Database Framework

Data visualization



Strategy 2 Carry out **monitoring, assessment, habitat restoration / reconstruction, species restoration** and other protection measures or projects, formulate standardization system. create habitats for animals and plants.

Biodiversity Protection in NingBo City



Management and monitoring agency:
Ningbo Municipal Bureau of Ecology and Environment

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Strategy 3 Explore the **ecological value** of ecological city construction, green city infrastructure and biodiversity protection, and explore the **sustainable** development and utilization mode. Establish a **public participation system** for **biodiversity experience**.



Ecotourism



Exhibition



Award ceremony of the first batch of 8 **Biodiversity Experience Sites** in Ningbo



Popularization of science and Education



Carpinus putoensis
 Ex situ conservation of species

"Biodiversity Experience activities Month"

National initiative

"绿色共富·生物多彩" 生物多样性体验月活动

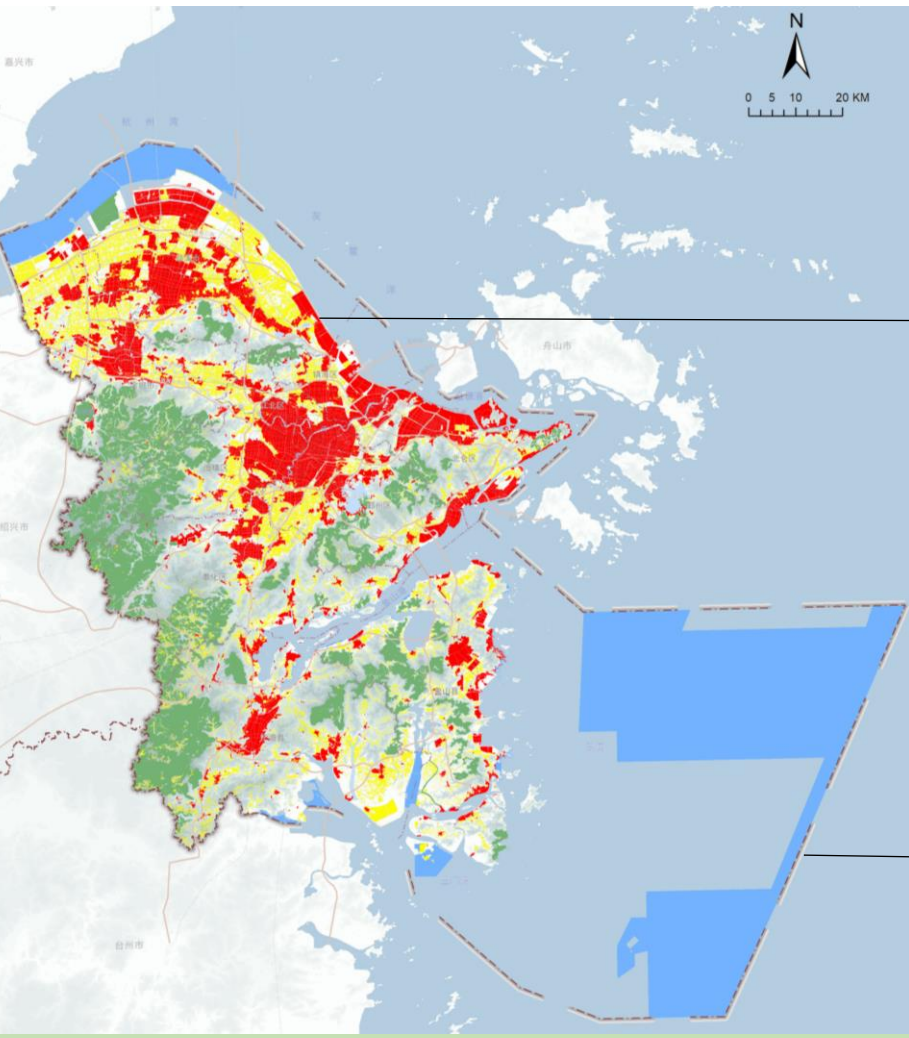
地点	活动	日期	时间
宁波野生动物园	生物多彩·快乐加倍	全月	全天
宁波植物园	第六届种观光科普活动月, 包括神奇的树叶一茶遛体验、秋日自然绘本、植物园观鸟、DIY蚕卵、自制鸟米袋、叶子拼贴画等等	全月	(具体时间详见宁波植物园科普公众号)
杭州湾国家湿地公园	生命印记·植物浮雕	11月2日、9日、19日、21日、24日、30日	9:30-15:30
宁波海曙龙观生物多样性友好体验馆	桂花树的小秘密	11月4日	全天
周尧昆虫博物馆	创梦蝴蝶	11月5日	9:00-11:00
宁波野生动物园	熊猫小管家:"象"往的生活	11月6日、13日、20日、27日	全天
杭州湾国家湿地公园	诗经中的秘密·巧制香囊	11月7日、17日、23日、26日	9:30-15:30
宁波海曙龙观生物多样性友好体验馆	小蘑菇·大学问	11月11日	全天
杭州湾国家湿地公园	植物王国·艺术拓印	11月12日、15日、27日、28日	9:30-15:30
宁波海洋研究院实践创新基地	探秘蔚蓝世界	11月12日	9:30-12:00
宁波海洋研究院实践创新基地	海洋生物零距离	11月12日	13:30-16:00
周尧昆虫博物馆	秋叶化蝶	11月12日	9:00-11:00
象山花鸟岛海上生物多样性体验地	走进花鸟岛, 感受海上生物多样性	11月12日	13:00-16:00
杭州湾国家湿地公园	飞羽寻踪·走进鸟类世界	11月13日、20日	9:00-11:30
宁波海曙龙观生物多样性友好体验馆	剪纸——美丽的蝴蝶	11月18日	全天
周尧昆虫博物馆	神奇的蝶古巴特	11月19日	9:00-11:00
周尧昆虫博物馆	蝴蝶棒棒糖	11月26日	9:00-11:00
宁波海洋研究院实践创新基地	探秘多彩海洋	11月27日	13:30-16:00

•活动详情请关注公众号“宁波生态环境”及各体验地官方信息发布

Biodiversity Protection in Ningbo City

Continuously Improving the Working Mechanism of Biodiversity Protection

Overall Planning of territory and Space of Ningbo City (2020-2035)



Ecological protection **red line** planning

Land ecological protection red line
1670.4 m² ; 17.1%

Jiushan Islands National Nature Reserve

Marine ecological protection red line
3139.4 m² ; 37.6%



There are **28** nature reserves; **1104m²**

Thanks !

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