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# Waterbird and Wetland Conservation in China

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### Migratory Ecology



### Habitats Protection & Restoration



### Monitoring Tacking Technology



### Database Technical support FNS

Supported by

NFGA, China  
Mangrove Foundation

Hosted by  
Beijing Forestry  
University

# 304 waterbird species recorded in China

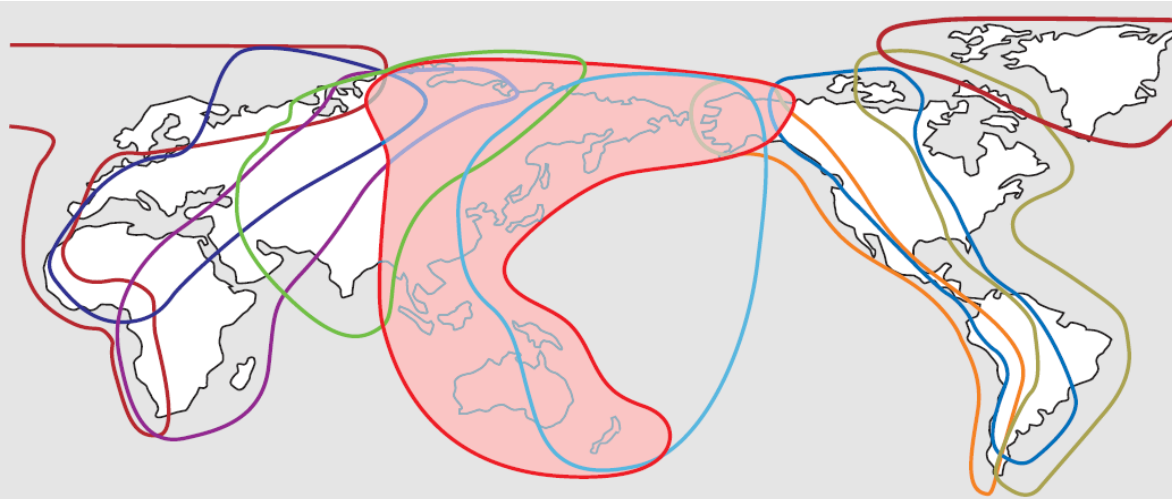
**Stopover 134  
species**

**Wintering  
138 species**

**Breeding  
149 Species**



**EAA FW  
Central Asia FW  
West Pacific FW**



The geographical routes that migratory waterbirds traverse on an annual basis are known as 'flyways'. This map is largely based on Shorebird route.

Central Asian FW    East Asian-Australasian FW    West Pacific FW  
Black Sea/Mediterranean FW    Pacific Americas FW  
West Asian-East African FW    Mississippi Americas FW  
East Atlantic FW    Atlantic Americas FW

# □ Total Wetland Area **53.6 Million ha**

**Major  
Threats**



**Wetland  
Reclamation**

**Hydrological  
Alteration**

**Invasive  
Species**

**Pollution**

**Land Use  
Change**

# National Legislations & Policy

## ❑ Wildlife Protection Law (Revision 2017)

– updated list on protected waterbird

6 waterbird species added to grade I protection; and 13 species upgraded from grade II to grade I;

15 species added to grade II

\*\*\* identification of key habitat for all national protected species

- ① Wetland Conservation and restoration orders
- ② Zero loss of nature wetlands
- ③ Leadership accountability in wetland conservation
- ④ Protected area system consolidation
- ⑤ Wetland conservation program (2002-2030)
- ⑥ Wetland eco-compensation
- ⑦ 14<sup>th</sup> Five Year Plan

Draft of National Wetland Law



# Ecological Civilization

18<sup>th</sup> CCPC

Enlarge and Restore wetlands, Conservation biodiversity to improve stability of ecosystems

19<sup>th</sup> CCPC

Strengthen Wetland Conservation and Restoration

1

Speed up ecological civilization

2

Master Plans for Ecological Civilization

3

Wetland Conservation and Restoration Plans

# Wetland Conservation and Restoration Mechanism and Plans – State Council, 2016

国务院办公厅关于印发  
湿地保护修复制度方案的通知

## 目标任务

### 实行湿地面积总量管控

到2020年，全国湿地面积不低于8亿亩，其中，自然湿地面积不低于7亿亩，新增湿地面积300万亩，湿地保护率提高到50%以上。严格湿地用途监管，确保湿地面积不减少，增强湿地生态功能，维护湿地生物多样性，全面提升湿地保护与修复水平。

### 完善湿地分级管理体系

- 建立湿地分级体系。将全国湿地划分为国家重要湿地（含国际重要湿地）、地方重要湿地和一般湿地。列入不同级别湿地名录，定期更新。
- 探索开展湿地管理事权划分改革。
- 完善保护管理体系。

### 实行湿地保护目标责任制

- 落实湿地面积总量管控。
- 提升湿地生态功能。
- 建立湿地保护成效奖惩机制。

### 健全湿地用途监管机制

- 建立湿地用途管控机制。
- 规范湿地用途管理。
- 严肃惩处破坏湿地行为。

### 建立退化湿地修复制度

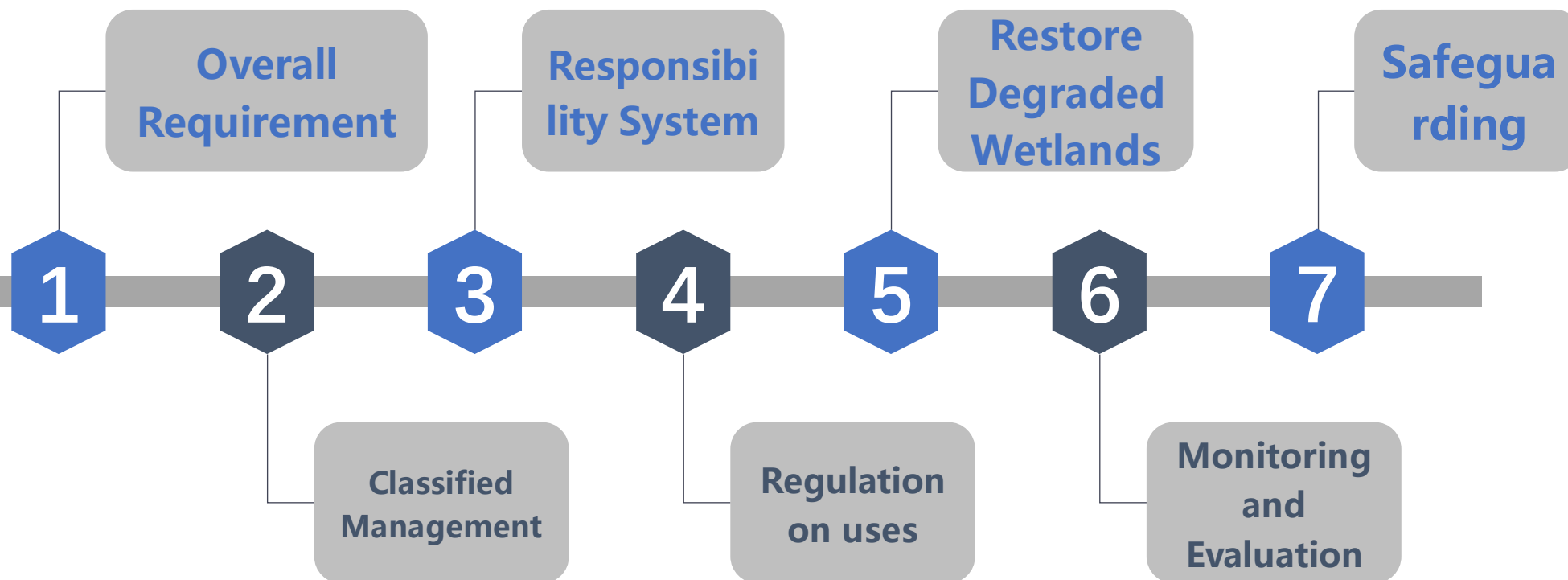
- 明确湿地修复责任主体。
- 多措并举增加湿地面积。
- 实施湿地保护修复工程。
- 完善生态用水机制。
- 强化湿地修复成效监督。

### 健全湿地监测评价体系

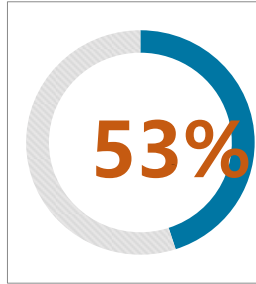
- 明确湿地监测评价主体。
- 完善湿地监测网络。
- 监测信息发布和应用。

### 完善湿地保护修复保障机制

- 加强组织领导。
- 加快法制建设。
- 加大资金投入力度。
- 完善科技支撑体系。
- 加强宣传教育。



## Wetland Conservation System



**Natural wetlands under formal protection**

**Ramsar Site**

**64**

**Nature Reserve**

**602**

**Wetland Park**

**>1000**

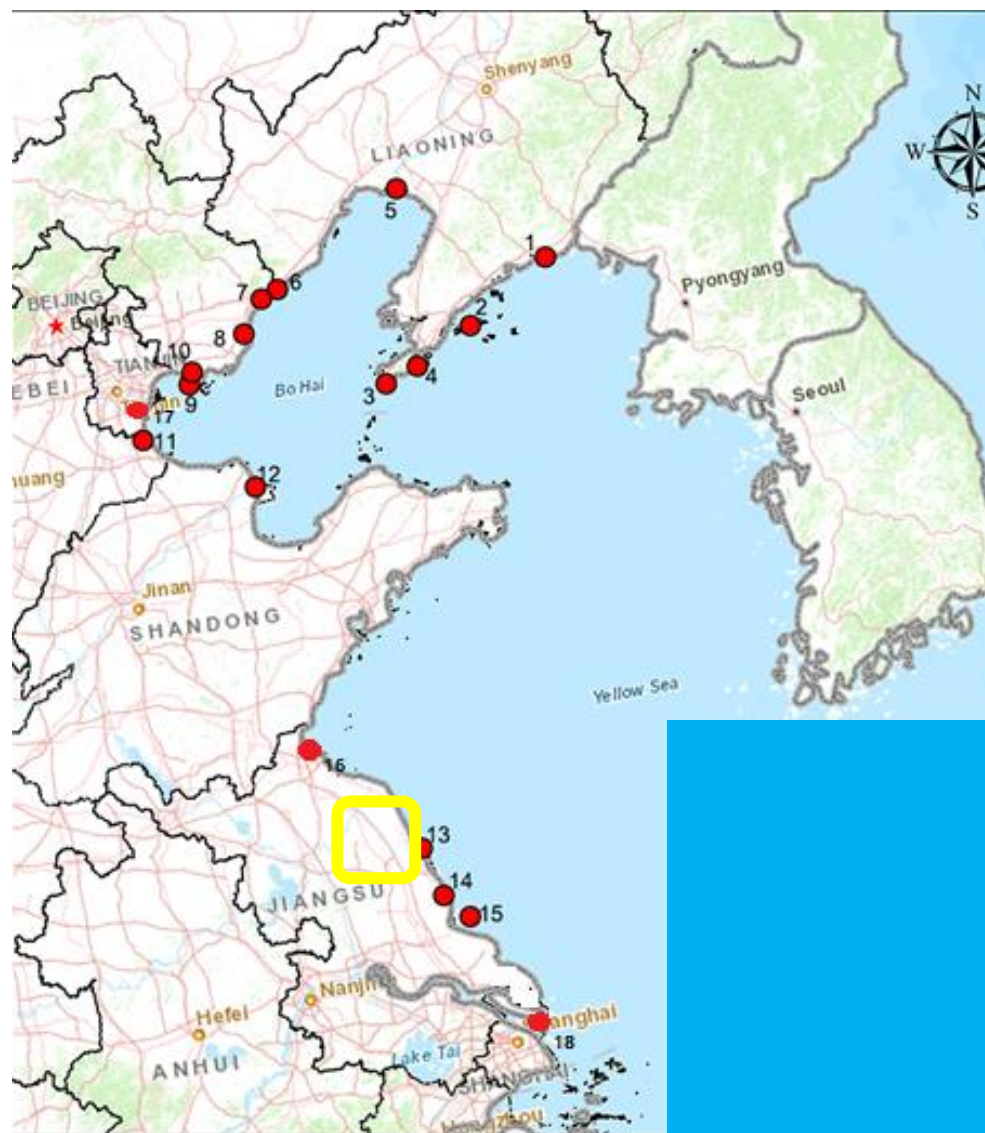
**Natl. Wetland Park**

**899**

**World Heritage Sites: Yellow Sea-Bohai Bay Migratory Water Birds Sanctuary**



# 12 sites under consideration of the Phase II nomination



● Migratory Bird Sanctuaries along the Coast of Yellow Sea-Bohai Gulf of China

0 100 200 300 400

- (1) Dandong Yalu River Estuary National Nature Reserve, Liaoning: **36,000**
- (2) Changhai Provincial Nature Reserve for Rare Marine Life, Liaoning, **2,000**
- (3) Snake Island-Laotie Mountain National Nature Reserve, Liaoning, **5,500**
- (4) Liaohe River Estuary National Nature Reserve, Liaoning, **47,900**
- (5) Shi River Estuary, Shanhaiguan, Qinhuangdao, Hebei, **130**
- (6) Beidaihe-Geziwo/Xin River Estuary, Hebei, **7,900**
- (7) Golden Coast Nature Reserve, Beidaihe New District, Hebei, **25,200**
- (8) Luannan-Zuidong Coastal Wetland, Hebei, **6,800**
- (9) Nandagang Wetland in Cangzhou, Hebei, **4,600**
- (10) Yellow River Delta National Nature Reserve, Shandong, **70,600**
- (11) Yancheng Wetland Rare Birds National Nature Reserve, Jiangsu, **144,839**
- (12) Dafeng Milu National Nature Reserve, Jiangsu, **43,804**
- (11) Beidagang, Tianjing
- (12) Chongming Island Eastern Marshes, Shanghai

# **Preparation of Phase II Nomination**

National Leadership Group (NFGA, and Liaoning, Hebei, Tianjing, Shandong, Jiangsu and Shanghai Government)

Technical Support Team Contracted

Local Staff Training Programs

Draft of Nomination Documents Ready for Pre-submission by end of September 2021

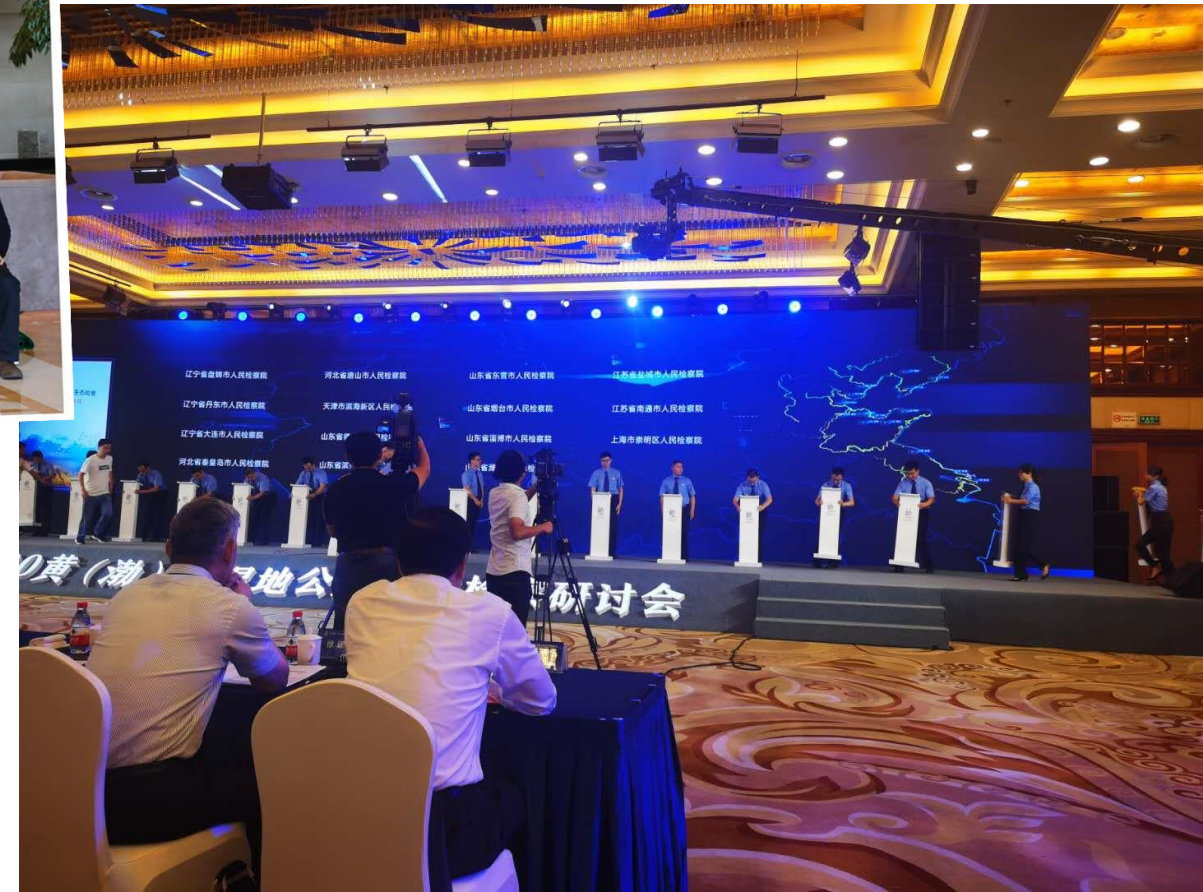


# Mobilization of Yellow Sea-Bohai Way Migratory Water Bird Habitat Conservation



Alliance of Yellow Sea – Bohai Bay Municipal Justice Authorities to ensure conservation of Migratory Water Bird Habitats

Protected Areas Alliance for Yellow Sea  
Bohai Bay Migratory Bird Conservation  
Established in 2019

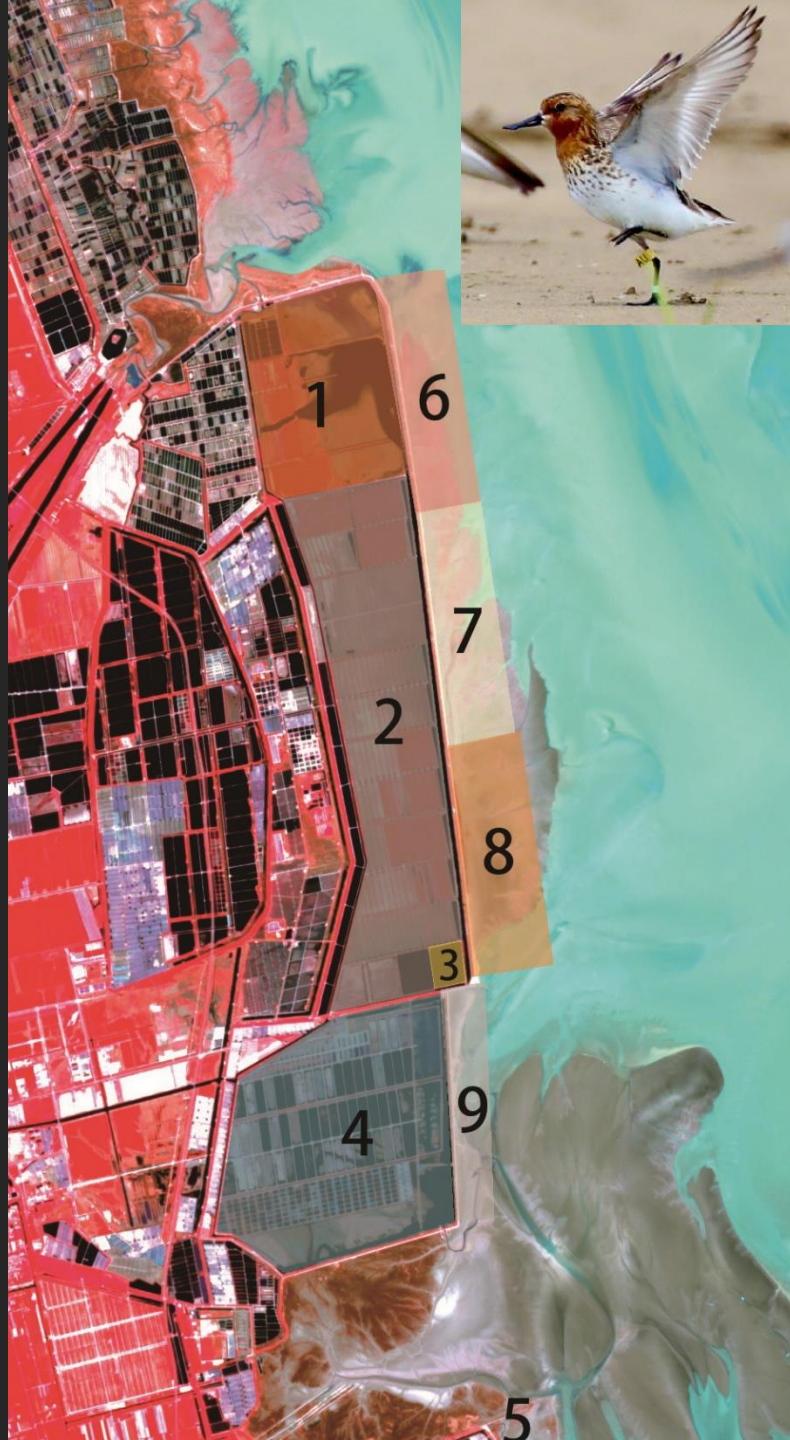




**Roosting  
habitat  
restoration in  
Tiaozini**

**SBS Flyway  
Programs  
CEPA &  
Research**

**Simultaneous  
Migratory  
Water Birds  
Census**







CEAAF

Thank You