



POPULATION SIZE

640,000

LIFE SPAN

35 YEARS

WEIGHT

81-109 KG | LBS

LENGTH

1.5-2 M | FT

SPOTTED SEAL

Larga seal, Largha seal

- KINGDOM
 - Animalia
- PHYLUM

Chordata

SUBPHYLUM

Vertebrata

CLASS

Mammalia

ORDER

Carnivora

SUBORDER

Caniformia

CLADE

Pinnipedia

FAMILY

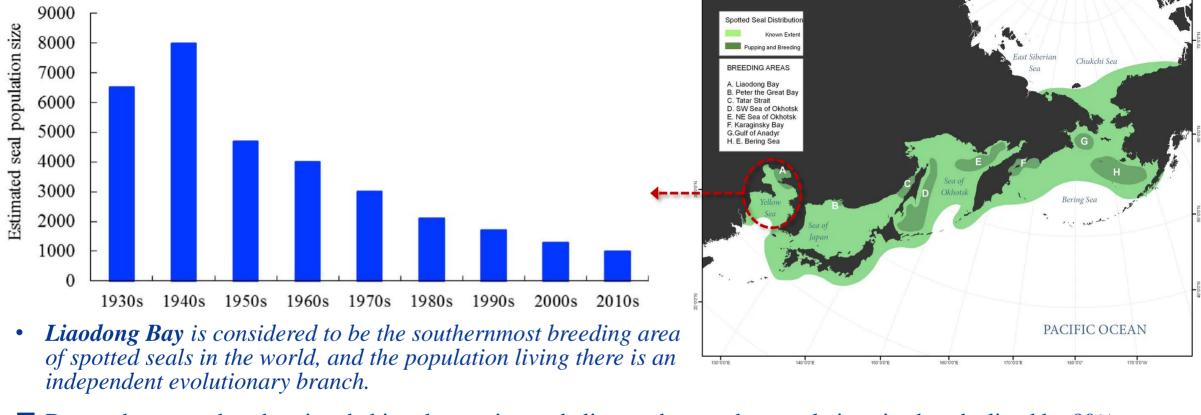
Phocidae

• GENUS

Phoca

• SPECIES

Phoca largha



■ Due to threats such as hunting, habitat destruction and climate change, the population size has declined by 80%.



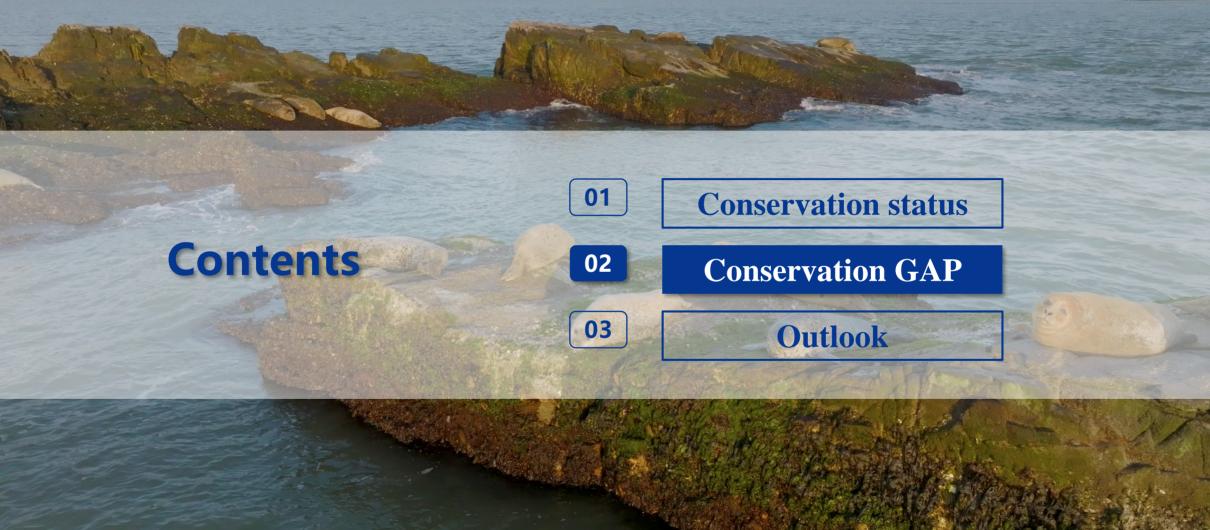
NEAR THREATENED	VULNERABLE	ENDANGERED	CRITICALLY ENDANGERED	EXTINCT IN THE WILD
NT	VU	EN	CR	EW

CHINA	RUSSIAN FEDERATION	
• VU species	♦ Far Eastern Marine Reserve	
• 1st Category SKPWAS	REPUBLIC OF KOREA	
 Dalian Spotted Seal National Nature Reserve Liaoning Shuangtaihekou National Nature Reserve 	EN speciesProtected Marine speciesNatural Monument	
♦ Miaodao Islands Spotted Seal	JAPAN	
Provincial Nature Reserve		



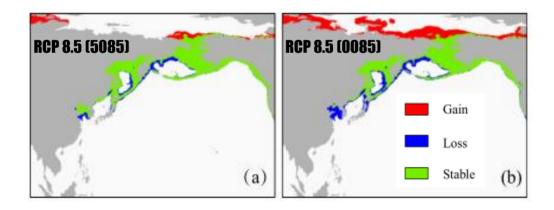
- Where are they?
- How's the protection ?
- Is it worth protecting?

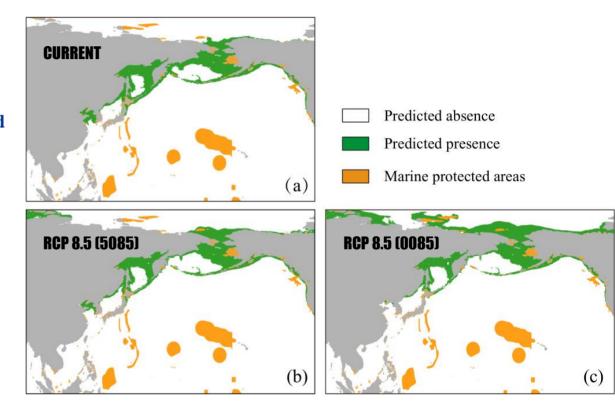


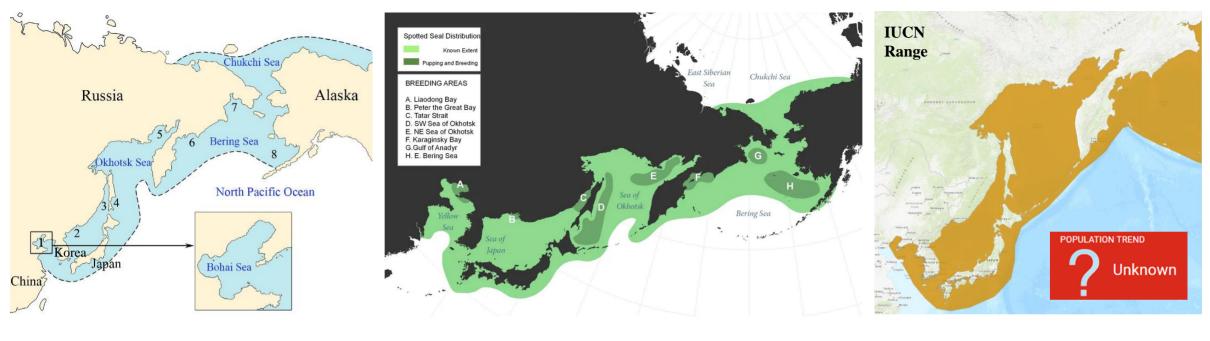


Gloabal: Where are they? / How's the protection?

- Habitat tended to migrate to higher latitudes under climate change and the southernmost Liaodong Bay habitat was gradually lost.
- The nearshore habitat was the most stable habitat.
- Approximately 94% of habitats (*current and future*) were not covered by existing MPAs.

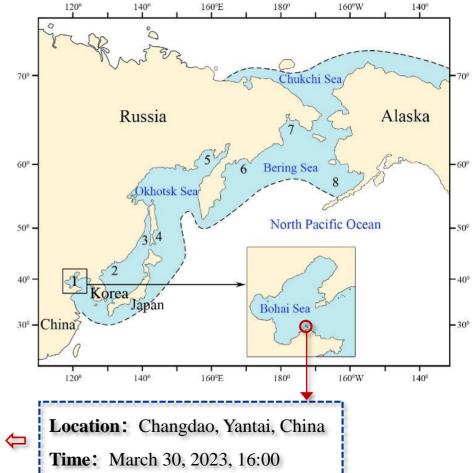


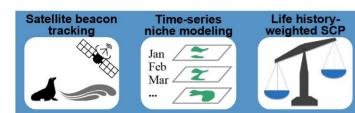


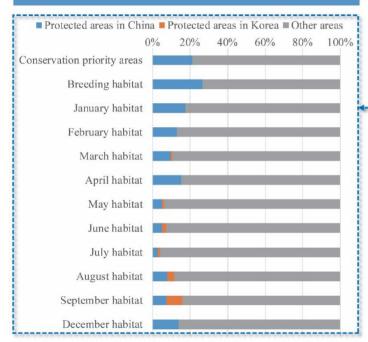


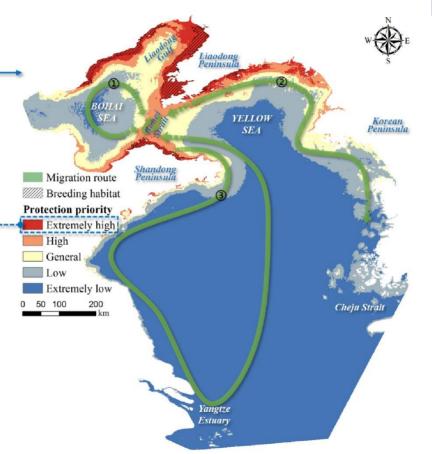
- □ Traditional static modeling lacking time dimensions cannot help to protect dynamic habitats or migratory marine species in a changing ocean.
- Current (global scale) spatial distribution is still insufficient to guide regional in-situ conservation actions.
- Lack of understanding of fine scale conservation gap.





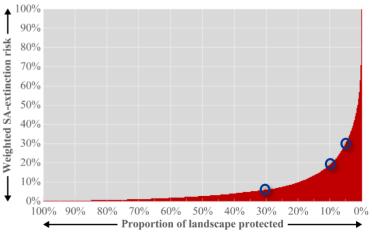


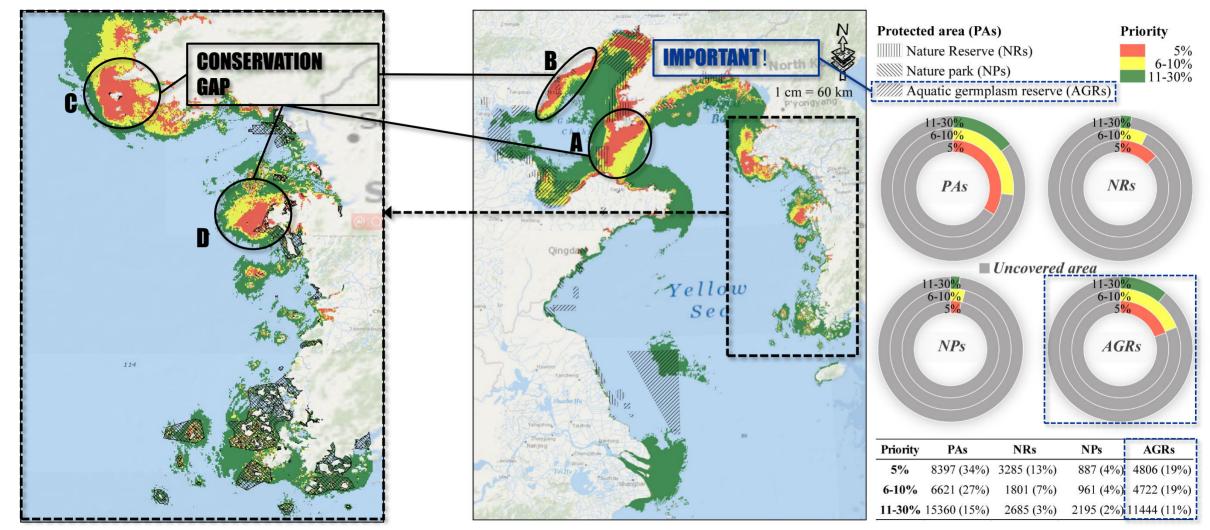


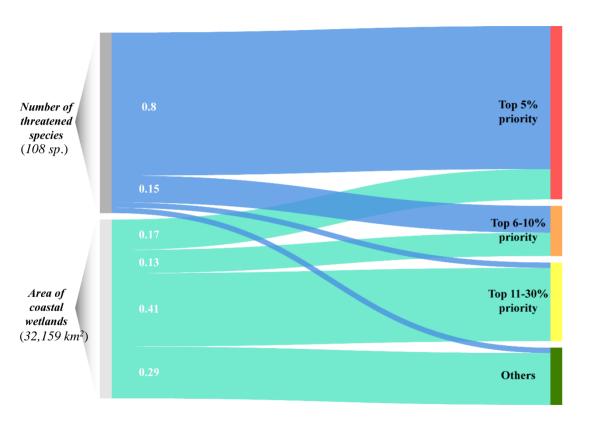


□ Local: Where are they? How's the protection?

- **1** Monthly habitats, conservation priority areas and migration routes were identified.
- The distribution of CPA was consistent with breeding habitats.
- China's MPAs have contributed the most.





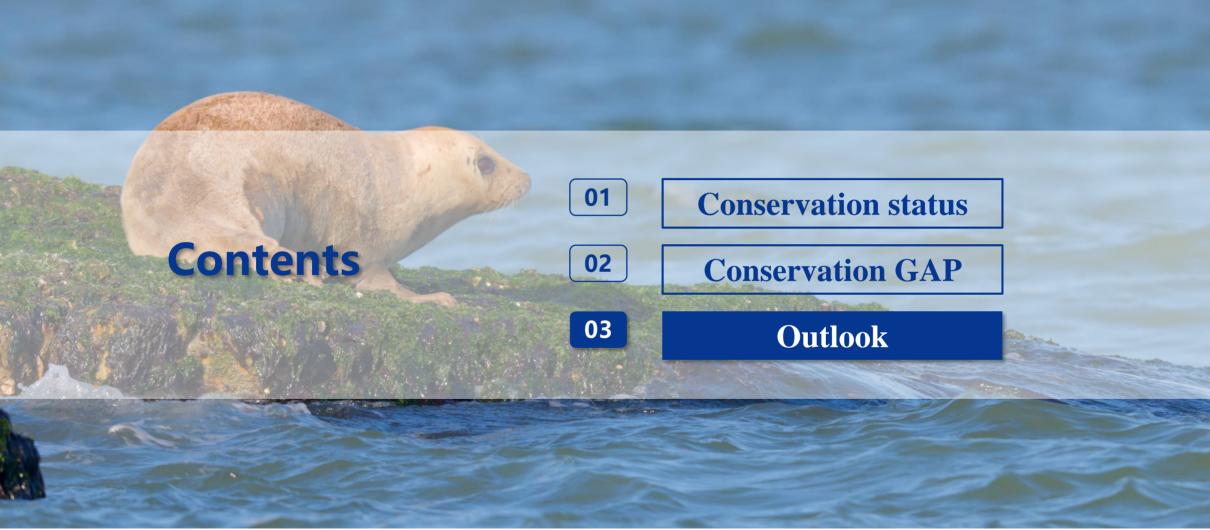


□ Local: Is it worth protecting?

- Top 5% CPA covered 80% of IUCN threatened species (108) and 17% of coastal wetlands in the YSE.
- By reaching 30%, 97% of threatened species and 71% of coastal wetlands would be within the umbrella protection range of spotted seals.





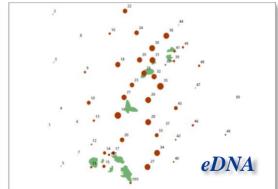


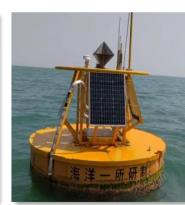
- Strengthening the investigations and monitoring: population observation, migration route, reef habitat, sea water environment, especially in CPA, breeding habitat, key node in the migration route.
- Promoting data and technology sharing to identify important habitats on a regional scale.
- Addressing existing conservation gaps and implementing seasonal protective measures.
- Let's work together even more closely to tackle the impact of human activities and climate change.











Thank you for your listening.

Conservation status and GAP analysis of spotted seal (*Phoca largha*) in China and North-East Asia



