Expert Group Meeting on Marine Mammals in North-East Asia

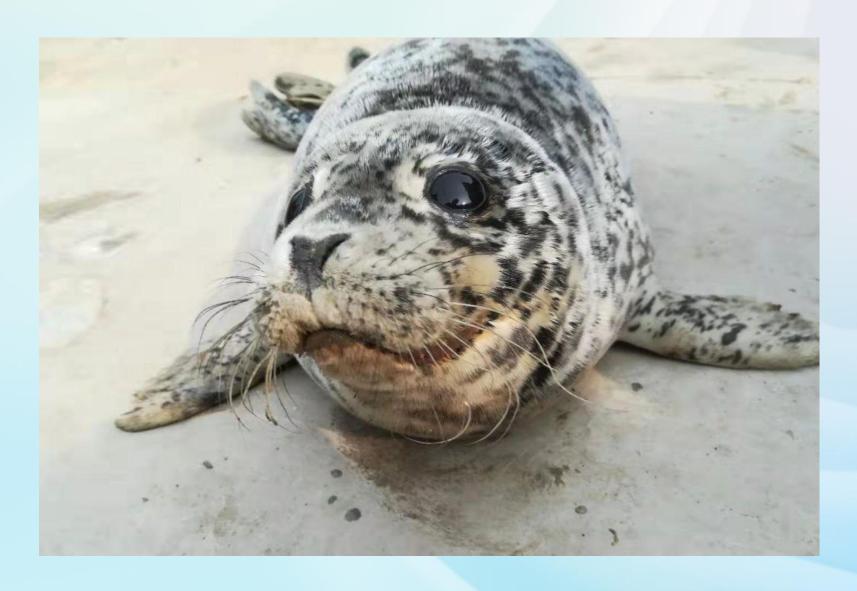
Learning from the Yellow-Bohai Sea Spotted Seals Protected Areas Network Project



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Overview









Spotted seals in Liaodongwan, photo by Peilie Wang & John Wong





Spotted Seal in Yellow-Bohai Sea

- Only pinniped breeding in China
- 1st class nationally protected species (2021-)
- Flagship for Yellow & Bohai Sea ecosystems
- Threats: habitat loss, poaching, climate change

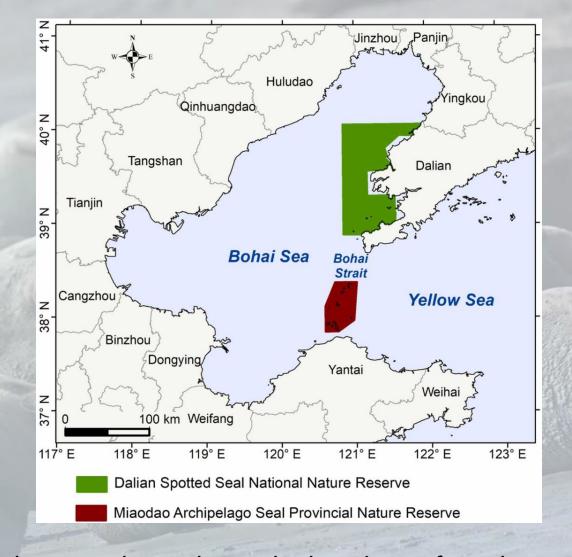


Map Source: GBIF

Conservation Efforts

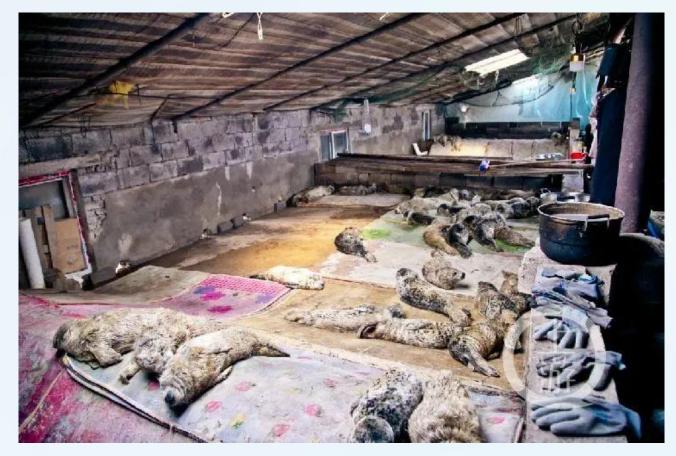
- Marine protected areas established
- Ministry of Agriculture launched the Spotted Seal Conservation Action Plan (2017-2026)





The map above shows the locations of two key spotted seal reserves in the Bohai and Yellow Seas: the Dalian National Nature Reserve and the Miaodao Archipelago Provincial Nature Reserve. (Source: Chen, R., Wu, X., & Xu, L. (2025))

Poaching Case of 100 Seal pups in Feb. 2019



 a major illegal poaching operation targeting spotted seal pups. 100 seal pups found. 71 alive, 29 dead.



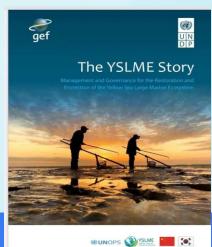


Part of UNDP/GEF YSLME Phase II Project

- Timeline: Oct ~ Dec 2019
- Aim: Build a conservation network for spotted seals
- Activities in 20+ Community Conservation Areas (CCAfa)
- Focus on awareness, education, and citizen participation

02

Background









About the project

Institutional Framework

The spotted seal protected areas network project was implemented as part of the UNDP/GEF Yellow Sea Large Marine Ecosystem (YSLME) Phase II Project, representing an international collaboration to address transboundary marine conservation challenges.

Implementation Timeline

The specific project activities were carried out between October and December 2019, following the public outcry from the February 2019 poaching incident, with rapid mobilization to address urgent conservation needs.

Strategic Objectives

The primary aim was to establish an effective protected area network for spotted seals through community engagement, while focusing on three core pillars: raising public awareness, delivering targeted education programs, and promoting citizen participation in monitoring and protection efforts.

03

Activities

- Education & Awareness promotion
- Biodiversity-mainstreaming Campaigns
- Science & Law Popularization
- Mobilising multi-stakeholders

Case Study: Rescue of Gousheng





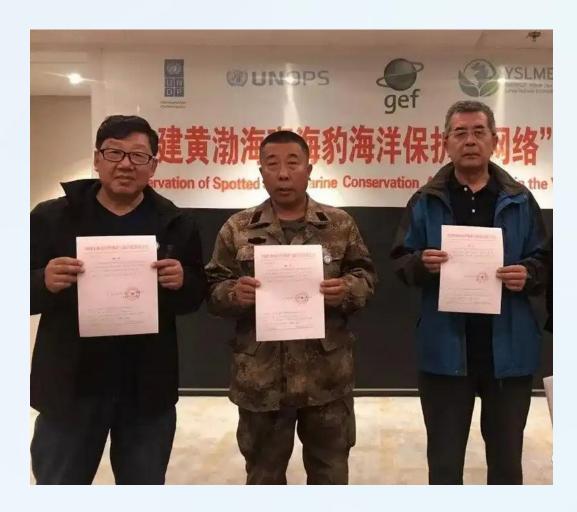








A network of coastal conservation areas and volunteers





15 schools, 2900 students/teachers









No.	Name of Activity	Time	Location	Number of Participants (Students, Faculties)
1	Protect Spotted Seal, Let's Act Together	Oct 14°, 2019	Liaohe River Oil Field Bohai No.1 Elementary School	95
2	Endangered Species of Spotted Seal Popular Science Class	Oct 22nd, 2019	Beijing Yucai School	50
3	Protect Spotted Seal, Let's Act Together	Oct 24th, 2019	Binhai Elementary School	100
4	Popular Science Activity about Spotted Seal Conservation	Nov 3 rd , 2019	"CBCGDF's Green Great" in Inner Mongolia	40 (on the spot), 200 (remote volunteers)
5	Publicity Activities of Spotted Seal Science Popularization Center in CCAfa	Nov 13th, 2019	Dalian Changxing Island Secondary Vocational and Technical School	400
6	Publicity Activities of Spotted Seal Science Popularization Center in CCAfa	Nov 13*, 2019	Dalian Changxing Island High School	1,200
7	"Spotted Seal on the Broken Ice" Science Popular Activity	Nov 20th, 2019	Huabei Oil Field Organ Primary School	50
8	"Be the Guardian of the Life on Earth • Spotted Seal on the Broken Ice" Science Popular Activity	Nov 22 nd , 2019	North China Oil Field Youjian Elementary School	70
9	Recognizing the Spotted Seal in Liaohekou	Nov 26th, 2019	Golden Apple Kindergarten	40
10	Green Great • Guangdong Universities Public Welfare Organization Exchange Meeting	Nov 26th, 2019	Guangzhou After Graduating from the Public Library	60 (volunteers)
11	Lecture on Protection Knowledge of Spotted Seal	Nov 29th, 2019	Xianyuwan Central Primary School	300
12	"Spotted Seal on the Broken Ice" Science Popular Activity	Nov 29th, 2019	Wafangdian Honghe Hope Primary School	200

13	Publicity Activities of Spotted Seal Science Popularization Center in CCAfa	Nov 29th, 2019	Wafangdian Tuoshanxiang Elementary School	70
14	"Spotted Seal on the Broken Ice" Story- telling Activity	Dec 1 st , 2019	Rengiu Library	40 (Parents & Kids)
15	Youth Volunteer Class for Spotted Seal Conservation	Dec 3 rd , 2019	Xinglong Middle School	90
Total		,		2.900

15 schools, 2900 students/teachers

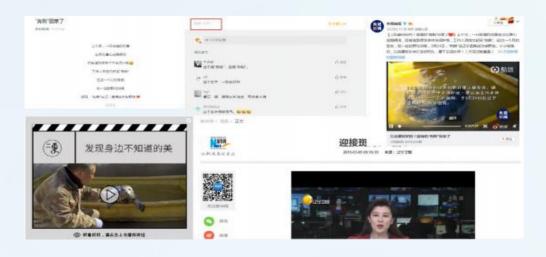




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Mainstreaming-biodiversity





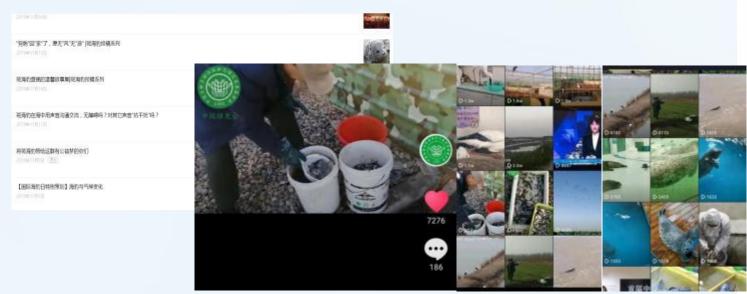




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awareness & education: materials













斑海豹小挂件





小豹豹侧面 🗸



【斑海豹萌宠设计理念】













有斑纹是它的特征,就叫它"小酌酌"。 所以从特征出发, 把它设计成圆圆的可爱的玩具, 加上

斑海豹圆滚滚,毛茸茸的身体是它可爱的地方,身上长

一对坚定的小眼神, 寓意它对绿会斑海豹保护志愿者们 日常巡护、教助活动的感激之心与坚定的信任。

awareness & education: materials











Villigers and fishermen





Apart from field visiting fishermen and villiges,

We also organized a multi-stakeholder meeting with local authorities, volunteers, and especially fishermen, to discuss challenges in spotted seal conservation, raise legal and ecological awareness, and encourage sustainable livelihoods beyond poaching.



Some other efforts

- Organized workshops with legal and ecological experts and proposed legislative recommendations.
- Drafted a proposal to upgrade the spotted seal to National First-Class Protected Species; supported by lawmakers and submitted as a formal motion to Two Sessions.
- Conducted synchronized population surveys of spotted seals for two consecutive years (March 2019 and 2020), based on conservation areas and volunteer networks.

04

Deliverables in numbers

- Book: "Spotted Seal on the Broken Ice" (3,000 copies)
- New Media: WeChat, Weibo, TikTok (140,000+ reach; millions of views)
- Science Popularization: 15 activities in 6 cities, ~3,000 participants
- Promotional Items: toys, calendars, bookmarks, badges, books

05Conclusion



Lessons Learned



Community Engagement

Local community engagement has proven to be a critical factor in reducing poaching risks, as residents who are invested in conservation become active participants in protection efforts rather than passive observers.



Diverse Participation Approaches

Maintaining a diverse portfolio of engagement approaches has been essential for sustaining high levels of participation, as different community segments respond to different types of activities and incentives



Multi-Channel Communication Strategy

The project demonstrated that combining online digital outreach with offline community activities significantly amplifies conservation impact by creating multiple touchpoints for engagement and reinforcing key messages across different platforms.



Capacity Building Needs

A key identified need is the development of more comprehensive professional training programs for community leaders to enhance their ability to coordinate local conservation activities and effectively communicate with various stakeholders.

Lessons Learned



Importance of law enforcement

In 2022, The case of Zhai and ten others for the illegal purchase, transport, and sale of spotted seals—tried by the Changxing Island Court (first instance) and Dalian Intermediate Court (second instance)—was selected by the Supreme People's Court as a landmark case in China's Judicial Protection of Biodiversity. The ruling emphasized the harsh penalties imposed for trafficking a nationally protected species, rescuing nearly 100 spotted seal pups, and safeguarding this unique marine mammal population.



Biodiversity finance

This case highlights the importance of biodiversity finance. Support from the UN and GEF funding played a key role through the YSLME Yellow–Bohai Sea Spotted Seals Protected Areas Network Project.

Conclusion

- Community participation
- Public awareness
- Cross-sector cooperation & ecological connectivity
- Importance of Other Effective Area-Based Conservation Measures (OECMs)
 & people's engagement



THE END

Acknowledgements

Thanks to: UNDP, GEF, UNOPS, YSLME Project Office, local authorities, lawmakers,

Local communities, volunteers, schools, media, etc.