

Shenzhen Mangrove Wetland  
Conservation Foundation (MCF)



MCF  
红树林  
基金会

# 2020 ANNUAL REPORT



# Contents

## About Us

As the first environmental conservation foundation launched by civil society in China, Shenzhen Mangrove Wetland Conservation Foundation (MCF for short) dedicates itself to protecting wetlands and their biodiversity, as well as conserving nature through public engagement. Currently, MCF is working on its three strategic projects: Safeguarding Shenzhen Bay, Safeguarding Spoon-billed Sandpipers, Mangrove Conservation and Restoration Program.

In July 2012, MCF was established by the Society of Entrepreneurs and Ecology (SEE), a cohort of nature-loving entrepreneurs and pertaining departments of the Shenzhen municipal government. Wang Shi and Ma Weihua served as the founding presidents (founding chairpersons Zhang Bigong (former President of Shenzhen University), Ai Luming (the 7th president of SEE Foundation), and Sun Lili (current president) served as honorary chairpersons. Lei Guangchun, dean of the School of Ecology and Nature Conservation of Beijing Forestry University and chairperson of the Scientific and Technical Committee of the Convention on Wetlands, served as chairperson.

## Our Vision

Living Wetlands, Sustainable Future

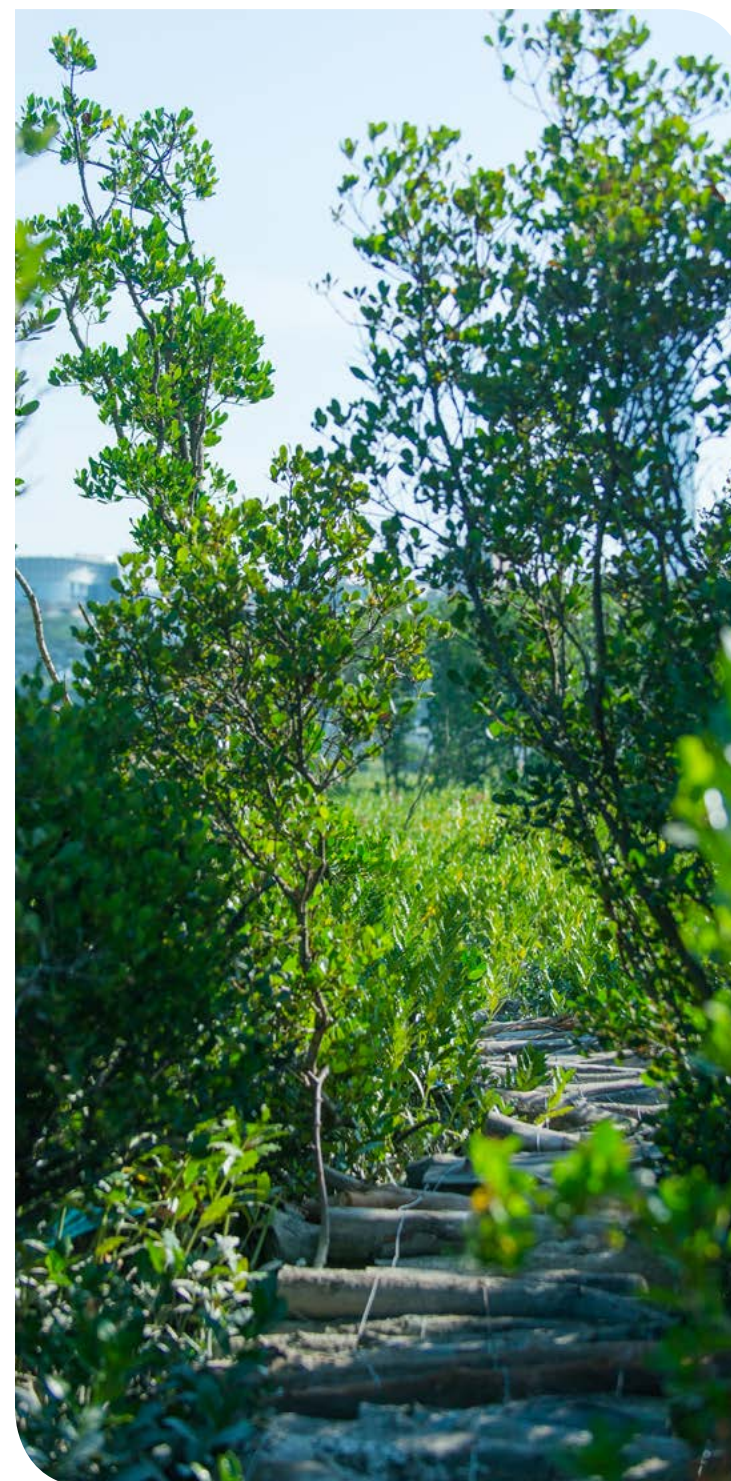
## Our Mission

For a sustainable and abundant future of human and wetlands, we are dedicated to:

1. Promoting active wetland management and biodiversity in wetlands;
2. Advancing the establishment of wetland education centers, connecting people and wetlands;
3. Converting more non-protected areas unprotected wetlands into protected regions.

## Our Values

We value integrity, charity, collaboration, and embraces changes.



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## The Chairman's Review

### Coexistence and Interdependence Makes Wetlands Flourish



#### Prof. Lei Guangchun

Chairman of Shenzhen Mangrove Wetland Conservation Foundation (MCF)  
Chairman of the Scientific and Technical Committee of the Convention on Wetlands  
Professor of the School of Ecology and Nature Conservation, Beijing Forestry University

How time flies! The year of 2020 has raced by in the blink of an eye. During the year, we have taken a rigorous test in the history of mankind: COVID-19 pandemic raging in the world. Now standing at the crossroads of mankind's common destiny, we ought to review and repair the relationship with nature after the trauma, and redevelop the algorithm with more sense of sustainable development. Biodiversity conservation is still faced with daunting challenges: among the 20 UN "Aichi Biodiversity Targets", only 6 have been "partially achieved" and none has been "fully achieved"<sup>①</sup>. Wetlands worldwide, almost as large as Greenland (1.21 billion hectares), are shrinking dramatically since 1970 (by 35%) and wetland flora and fauna are in real danger, with a quarter of the total species at the risk of extinction<sup>②</sup>.

Filled with challenges and difficulties, the year 2020 has been a critical period for MCF as a whole to strengthen and put into practice its strategies. Both the Board and Secretariat embraced changes, and sought development and breakthroughs. To ensure

the smooth implementation of various projects in the reserve, we took Shenzhen Bay as the starting point to implement the MCF's eight-year strategic development requirements and develop more feasible conservation strategies. Through new approaches such as online livestreaming, we made the concept and knowledge of nature education more readily available. Moreover, we upgraded the professionalism of our team, promoted the smooth implementation of various studies and surveys, and published relevant research results.

The year of 2021 will be a historical year for wetland conservation. In February, the 25th meeting of the Standing Committee of the 13th National People's Congress deliberated on the *Wetland Protection Law of the People's Republic of China (Draft)* and published it on the website of the Chinese People's Congress for public opinions. This is China's first legislation specifically made for wetland conservation so as to strengthen the protection and restoration of wetlands. It is part of the efforts to establish

a complete legal system for wetland conservation based on the holistic and systematic nature of wetland ecosystems, and to provide a legal rationale for the construction of national ecological civilization and a beautiful China.

For China, the second decade of the 21st century will be remarkable in history. In particular, Wuhan, an ancient city with a civilization of over 2,300 years, will host the 14th Conference of the Parties to the Convention on Wetlands in 2022. It will be the first international wetland conservation conference held in China and an important step for China to fulfill its responsibilities as well as active participation in the global governance on environmental issues. "Born beside the rivers, prosper with the waters"—Wuhan, where our two mother rivers meet, is a veritable "city of wetlands". Here, with the strategy of building an international wetland city, and based on the achievements in wetland conservation over 50 years, China is planning its wetland conservation strategies in the following decade and the

development direction in the next fifty years. China will certainly leave an eternal mark on the path of global wetland conservation and promotion of global sustainable development!

Coexistence and Interdependence—Every individual and force is indispensable for the conservation of global wetland biodiversity. As MCF enters the ninth year since its inception, I would like to express, on behalf of all MCF staff, my sincere gratitude to you for your continued interest, support and participation. And I look forward to seeing all donors, volunteers and partners continue to work with MCF to bring wetlands back to life under the vision of "Living Wetlands, Sustainable Future"!



<sup>①</sup> UN. 2020. Global Biodiversity Outlook Report, 5th edition (GBO-5).

<sup>②</sup> Wetlands Convention Secretariat. 2018. Global Wetlands Outlook.

## The Vice Chairman's Review

### Plants Facing the Sun Grow Better

#### —The Strategy-driven MCF



#### Chen Jinsong

Vice Chairman / Founder / Honorary Life Member of Shenzhen Mangrove Wetland Conservation Foundation (MCF)  
Co-Chairman of Shenzhen Shilian Real Estate Consulting Co., Ltd

At the beginning and end of the year 2020, as the pandemic became the biggest obstacle to interpersonal communication, two important board meetings of Shenzhen Mangrove Wetland Conservation Foundation (MCF) were both held online. Thanks to the warm weather of Shenzhen in November, The “Harmony Club—Mangrove Night” Fundraising Gala was a fantastic event, without which this annual review would not have been a success.

Every beginning is hard. In fact, it may be the opposite for private, nonprofit organizations whose operation is very similar to planting seeds in the desert. Planting is already a tough job, it is even more difficult for the seeds to sprout and grow into a living forest. Hence the real difficulty lies in persistence and growth.

In the past year, MCF has been highly recognized by the government, the public and donors. In addition to the enthusiasm and sense of mission of our staff, this achievement can be mainly attributed to the following reasons:

#### First of all, the original aspiration will sustain with strategic support.

Thanks to the consulting team from Bain (Bain & Company), not only did they help MCF design a strategy of international standard, but also became an important donor and partner of MCF. It will be remembered as the turning point at which MCF has been transformed from being directed by the personal inclinations and charisma of its founders to being guided by a consensual and professional strategy. The strategy ensures MCF to grow along a planned, capacity-building, quantifiable, and supervised direction.

#### Secondly, environment has become the world's largest public issue and the largest common ground for humanity.

MCF is fortunate to be born in this era. Due to the coexistence of multiple values, the presence of individuality and inter-generational conflicts, we have diametrically opposing views on almost all public issues, except for environmental protection. It is the biggest issue for China and the world, for current and future generations, for government and the private sectors, for efficiency and balance, for urban and rural areas, for people and animals, and for development and health. The protection of wetlands and ecology is the largest common ground for all parties involved. The pandemic does not weaken, but strengthens this common ground.

#### Thirdly, nature, art and life are interconnected.

If you take your children to the mangrove wetlands to watch birds in winter, you will share my feeling that nature is a true masterpiece of art, and life is great, fruitful and splendid.

My appreciation goes to the entrepreneurs of Shenzhen Harmony Club, to the monthly donors and all the donors and artists, for your participation and support. With all your efforts, the Mangrove Night Fundraising Gala combines the ideas of environmental protection with art, which is ultimately reflected in the beauty of humanity, in our future generations and in the rejuvenation of China.

As the old saying goes “plants facing the sun grow better”, let's join hands and make effort together!

## Honorary Chairman's Review

### Environmental Protection is the Common Language of Mankind



#### Sun Lili

Founder / Honorary Chairman  
of Shenzhen Mangrove Wetland  
Conservation Foundation (MCF)  
Director of Futian Mangrove  
Ecological Park  
8th President of SEE Conservation  
Chairman of China Wit Media Co., Ltd.

On December 28, 2015, I sincerely received the key that symbolizes the ecological park from the leaders of Futian District Government, meaning that Futian District People's Government officially entrusted the management of the park to MCF. Five years have passed, and the scene still seems to be in front of my eyes. Fortunately, with the support of different government departments, leaders, experts, and our volunteers over the years, profound changes have taken place in the park in the past five years. Initially, there were only 83 species of birds here, but now there are more than 150 species, and the number of plant species has doubled. Our 359 volunteers have been active in the park all year round, participating in ecological enhancement and nature education, and gradually left their footprints throughout Shenzhen. The epidemic in 2020 has affected everyone to varying degrees and made us more willing to think about the relationship between human and nature.

The park is a “green gift” prepared by the government for the people. At that time, there were only 6 sites in the city that tried to use the park as a nature education center, but now 27 sites are well functioning in the city. We hope to spread the experience gained in Futian, and the conservation model set up by Shenzhen, to the whole country and even become a global example in wetland conservation, so that more people can get in touch with wetlands and nature. We thank the leaders of District Committee of the Communist Party of China, Futian District Government, District Committee of the Communist Party of China, and Futian Water Bureau, for their unstinting support and the volunteers for their contribution to environmental protection and nature education.

With the construction of model sites of coastal wetlands, the “Shenzhen model” is gradually becoming recognized, and MCF is also trying to explore the development model of green Belt and Road Initiative (BRI) through international exchanges. The side event on “Mobilizing Social Forces for Wetland Conservation”, co-hosted by MCF and China Office of Wetlands International on 2018 Ramsar Convention on Wetlands is a valuable opportunity for MCF to actively participate in international wetland conservation

symposiums and exchanges. The event also enhanced our cooperation with international partners, shared our first-hand experiences, as well as informing and engaging our partners in the BRI environmental protection strategies.

In 2019, together with representatives from SEE Foundation, One Planet Foundation and Vanke Foundation, we visited CCCC's Lamu Port project in Kenya. During this visit, we exchanged views with local conservation organizations, provided advice on CCCC's mangrove restoring project, broadened our experience in international cooperation and promoted the green BRI model. At the same time, we actively participated in the IUCN Asian Regional Conference to introduce MCF's public engaging nature conservation model. We went to Thailand to participate in the China-ASEAN Regional Cooperation on Energy Transition and Climate-resilient Development. In the Mangrove Theme Side Event, we introduced China's experience and achievements in mangrove conservation and discussed the possibility of incorporating the “nature-based solutions”, exemplified by mangrove conservation, into the national climate change strategy.

Thanks to these efforts, in April 2020, we became the first member from mainland China in the Global Mangrove Alliance. The Global Mangrove Alliance is an ambitious initiative that aims to “increase global mangrove area by 20%” by 2030 through the implementation of the Global Mangrove Strategy.

On World Migratory Bird Day, October 10, 2020, we officially became the 39th official partner of the East Asia-Australia Migratory Flyway Partnership Agreement (EAAFP). Based in Shenzhen Bay, one of the stopover sites in the East Asia-Australia Migratory Flyway (EAAF), MCF is committed to exploring public engagement in wetland conservation. It also actively contributes to the conservation of 50 million migratory birds and their habitats, with Spoon-billed Sandpipers as an example. In the future, we will continue to promote the conservation of migratory birds and safeguard their habitats through EAAFP's extensive platform and resources.

In 2020, the global spread of COVID-19 epidemic warns us that environmental protection will become one of the most important and prioritized solutions for humanity to achieve a common destiny. Facing the urgent global environmental issues, how to make man and nature live in harmony poses a challenge to all of us. We look forward to continuing to work together gently and firmly on the road to environmental protection in 2021.

## The Secretary-General's Review

### Have light in your eyes, a path under your feet, and companions by your side



**Yan Baohua**

Secretary General of Shenzhen Mangrove Wetland Conservation Foundation (MCF)  
PhD in Environmental Studies,  
University of Arizona, USA

Dear mangrove family and friends, happy new year! 2020 is not only the year we work together to fight COVID-19 pandemic, but also a special year in conserving the wetlands.

I often recall one afternoon in October when I went to the Futian Mangrove Nature Reserve for a school program. It was at high tide and the children were in a bird watching boat, using monocular to observe the black-faced spoonbills roosting in the mangroves in the distance.

A fourth-grade boy suddenly turned back and shouted excitedly, "Teacher, I saw him! I saw him!" The light in the boy's eyes, at that moment touched me deeply—perhaps this is what it looks like when people are connected with nature. In order to help more people establish their connection with nature—to give everyone the same light as that in the boy's eyes—we are committed to the value of "embracing change" and are moving forward with determination and optimism. 2020 is also the first year of MCF's eight-year strategic plan (2020-2027). The strategic plan is like a "battle map" that gives us direction and guidance when we face difficulties and obstacles, and your support gives us endless strength. We have light in our eyes, a path under our feet, and companions by our side. Today is the New Year's Eve—the last day of the Year of the Rat. On this special day, I would like to review with you the gains and growth in 2020; and look into the plans and expectations in 2021.

#### Strategic deployment, guiding the way forward

On January 12th, 2020, MCF's new strategic plan was adopted.

In line with the strategic plan, we first reshaped MCF's organizational structure by adopting the new model—"Front-end", "Middle-end" and "Back-end". Then we applied the "RAPID" tool to design a decision-making process for key

decisions, making roles and responsibilities clearer when different teams collaborate.

In order to improve the efficiency, we also introduced the OKR method, setting organizational and team goals and key results every quarter, mobilizing teams and empowering individuals to work towards a common goal.

A series of proactive and positive adjustments have both smoothed out 2020, which is full of uncertainty, and laid the initial organizational foundation for achieving our eight-year strategic goals.

The strategy plan also brings us three major projects with precise focus: "Safeguarding Shenzhen Bay", "Saving Spoon-billed Sandpipers", and "Mangrove Conservation and Restoration Program". Shenzhen Bay is the most important project site and the basis for MCF to build its core capacity and share its experience in wetland conservation. Thus, "Safeguarding Shenzhen Bay" project is the immediate priority for the first two years in our conservation efforts.

December 26, 2020 marks the fifth birthday of the opening of Futian Mangrove Ecological Park. After five years of protection and restoration, the park's ecosystem has become healthier and has attracted more and more wildlife to return. With more possibilities for the conservation in future, "Safeguarding Shenzhen Bay" project will shoulder more responsibility and help the residents in Shenzhen and its surrounding area feel the positive changes brought by wetland conservation more quickly and directly. The other two brand projects, "Mangrove Conservation and Restoration Program" and "Saving Spoon-billed Sandpipers", have also made significant progress under the guidance of strategic planning and the support of peers.

After more than 700 days of hard work, *the Report on China Mangrove Conservation and Restoration Strategy Research Project* was released on June 8. The mangrove conservation concepts and approaches proposed by the project, such as "integrity of ecosystem", "combination of natural restoration and moderate artificial restoration", were quoted in the *Special Action Plan for Mangrove Protection and Restoration (2020—2025)* released by the Ministry of Natural Resources and the State Forestry and Grassland Administration on August 28th, 2020.



To achieve our strategic goal of "reducing threats to migratory water birds represented by spoon-billed sandpiper", we established an observatory at Tiaozini, the world's most important resting and molting site for spoon-billed sandpipers. Moreover, we strengthened the clearance of smooth cordgrass (*Sporobolus alterniflorus*) and built 720 acres of high-tide habitat for the bird. In autumn census, we recorded 80 spoon-billed sandpipers, accounting for 16% of the global population of this bird.

Collaborating with Birds Russia, we launched a project for migratory bird conservation on the scale of flyway sites. In Russia, we conducted captive breeding to increase the populations of spoon-billed sandpipers; we facilitated the census of spoon-billed sandpipers in Montana Bay, Myanmar, the largest wintering site for the bird. Because of our international vision and contribution, we became a full member of the East Asian-Australian Flyway Partnership Agreement (EAAFP). As the three projects proceed, MCF's wetland conservation and education efforts are expanding their reach in all directions. We hope that more people will have the opportunity to understand the fascination of wetlands and become personally engaged in wetland conservation efforts. More and more light is being shone.

#### Public engagement—lighting up the sky with stars

In the second half of the year, we launched a fundraising campaign for the Haikou Wuyuanhe Wetland—the first privately protected wetland—on Alipay Ant Forest. 13 million donors contributed to the campaign and owned their patch of conservation land on the "cloud". Thanks to the Internet, the campaign greatly improved the connection between donors and wetlands.

On China Charity Day, Mr. Wang Kai, a well-known Chinese actor, was appointed as the "Global Conservation Ambassador for Spoon-billed Sandpipers". The news coverage in Sina Weibo reached 4.34 million views, giving rise to nearly 100,000 retweets, and the total web browsing exceeded 50 million. This event has attracted more people to get to know and participate in the protection of migratory

birds and their habitats. Based on the case studies and field work done in three years, *the Handbook on the Establishment of Wetland Education Center in China* and its Workbook were released on December 15th. This is an important attempt to help more wetland conservation sites establish and operate their education centers and cultivate enthusiasts for wetlands. Each volunteer's service, each donation, each professional guidance and mobilization organization ..... constitute bits of starlight, illuminating themselves and others. Looking back on the road to get here, many of our mangrove family members have been physically involved in wetland conservation for over a decade! As Du Xin, the founder and honorary lifetime director of MCF expects, "keep going and make change happen." Nowadays, wetlands have become a way of life and a spiritual home for many people, and wetland conservation has become a lifelong commitment for more and more graduates.

In everyone's eyes, we see the bright future of the wetlands, and that is the future we all look forward to.

Finally, I would like to thank you from the bottom of my heart: for giving us the most precious and shining gift of our time—trust; for all the efforts you have made for our vision—"Living Wetlands, Sustainable Future"; and for always standing firm and walking alongside us.

We look forward to continuing to work with you in the future to help more people enter, love and protect wetlands.

We wish you a happy and prosperous new year!

## The Project of Safeguarding Shenzhen Bay (2021)

### Problems

With urbanization and economic development, the accumulated area of reclamation in Shenzhen Bay has reached 19.63 km<sup>2</sup> (as of 2005), and more than 75% of the native mangroves have disappeared. The service function of the Shenzhen Bay ecosystem is seriously degraded. In addition, Shenzhen Bay is faced with a series of challenges such as increasing water pollution, ecological isolation, degradation of farm pond function, river embankment, deforestation, invasive species, frequent pest plagues, etc. All of these can cause irreversible damage to the overall ecological function of Shenzhen Bay.



▲ The 5th Anniversary of the Ecological Park (Volunteer Conference)

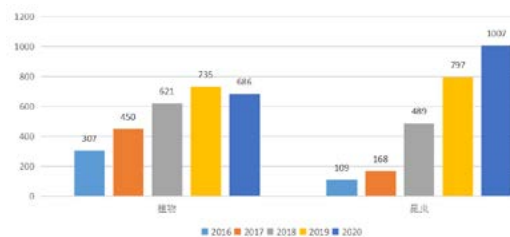


### Major Achievements

#### ▶ 1. Ecological restoration is yielding positive results

##### ① Further implementing the “Zero *Sonneratia Caseolaris*” Campaign in Shenzhen Bay

In August 2020, an ecological restoration project in the estuary wetlands of Shenzhen River was launched and the *Ecological Restoration Plan of the Shenzhen River Estuary Wetlands* was completed. The plan was approved by Shenzhen Urban Planning and Natural Resources Bureau (former Shenzhen Forestry Bureau), and 4.3 hectares of *Sonneratia* plants have been removed. The plan aims to complete the restoration of mudflats and native mangrove plants in the area of 13.08 hectares within three years. The project will improve the ecological function of regional mangrove wetlands and create a habitat for migratory birds.



▲ Changes of species in Futian Mangrove Ecological Park recorded from 2016 to 2020

#### ② Rare animals recorded in Futian Mangrove Ecological Park

In 2020, rare animals including small Indian civets (*Viverricula indica*, first-class national protected animal), collared scops owls (*Otus lettia*, second class national protected animal) and Eurasian otters (*Lutra lutra*, second-class national protected animal) were recorded in the Futian Mangrove Ecological Park. It is the first time that the small Indian civet has been spotted in the urban center of Shenzhen. The Eurasian otter, as a top predator in the freshwater ecosystem, is considered as a flagship species of aquatic environments such as regional rivers and wetlands. Eurasian otters are very sensitive to habitat disruption and pollution. Following the survey of animals in the Neilingding Island conducted in 1997-1998, it is the first time in 22 years that the Eurasian otter has been recorded once again in Shenzhen Bay. In addition, 210 species of insects have been recorded. According to the *List of National Key Protected Wild Animals (2021 Edition)*, 6 first-level and 21 second-level protected species have been inhabiting the park. The presence of protected wildlife indicates that the Ecological Park has relatively adequate food resources and more favorable ecological environment. Moreover, the increase in species and the conservation level also highlights the important position of the Ecological Park as an ecological corridor between Shenzhen and Hong Kong.



▲ Small Indian civet (*Viverricula indica*) (first-class protected animal, left), Eurasian otter (*Lutra lutra*) (second-class protected animal, middle) and leopard cat (*Prionailurus bengalensis*) (second-class protected animal, right) were recorded in the Ecological Park.

#### ③ Opening of the Botanical Congress Memorial Garden

On September 12, 2020, the 19th International Botanical Congress Memorial Garden officially opened, and meanwhile, the *2121 Project*, a 100-year-long scientific experiment was launched. The experiment aims to record the ecological succession under the conditions of limited human intervention.

In 2020, 21 public science education activities involving monitoring the flora, birds and animals were organized in the park and attracted 586 Shenzhen citizens to participate. The garden also cooperated with Shenzhen Meteorological Bureau and established an automatic weather station to record and share data, thus taking the first step towards a century-long scientific experiment.



▲ Opening Ceremony of the Memorial Garden of the 19th International Botanical Congress



▲The southern part of Futian Mangrove Ecological Park after restoration

## ▶ 2. Marked Achievement in Wetland Education

### ① Implementing the mangrove wetland curriculum for primary and secondary school students in Futian District

In May 2019, MCF worked with the Futian District Education Bureau, Futian District Science, Technology and Innovation Bureau, and Guangdong Neilingding Futian National Nature Reserve Administration and launched the “*Futian District Mangrove Science Education Program for Primary and Secondary Schools*” which provides primary and secondary school students with the learning opportunity so that they can study in the nature reserve on weekdays. In 2020, the Futian Mangrove Ecological Park became a new nature education center for the project. 2,808 students and teachers from 28 schools and 60 classes visited the mangrove wetland and participated in the wetland education program.

### ② Publishing *Magical Wetlands – Teachers’ Hand Book on Environmental Education*

MCF first introduced and localized the international environmental education curriculum, then in joint efforts with the People’s Education Press, published the book, *Magical Wetlands – Teachers’ Hand Book on Environmental Education*. The handbook not only empowers school teachers and practitioners in nature education, but also helps students acquire more knowledge about wetlands from both in-class and outdoor activities.

## ▶ 3. Continuing to improve sustainable development of the Futian Mangrove Ecological Park

### ① Active response to the epidemic prevention and control, and adherence to competent park maintenance and management

During the epidemic period, the park remained open to the public and quickly responded to the government’s instructions and requirements. In addition, the park prepared various epidemic prevention supplies and closely monitored the wild animals. The park remained open normally during the epidemic period and operated smoothly with all prevention and control measures in place.

### ② Enhancing cooperation with local community and government, and improving the joint management mechanism

With the support of the municipal government and under the guidance of the expert panel, MCF has greatly improved its management quality. MCF has been paying attention to the cooperation and interaction with neighboring communities, border protection administration and enterprises. MCF attaches great importance to encouraging local communities and volunteers to participate in mangrove conservation. MCF has also provided the local nursing homes and kindergartens with many science education classes. And by doing so, MCF disseminates the concept of ecological civilization, as well as fostering harmonious environment and mutually beneficial social governance.



▲ Wetland education activities held in the park

## The Project of Saving Spoon-billed Sandpipers



### Problems

Spoon-billed sandpipers (*Calidris pygmaea*) are one of the most endangered and rare bird species on the planet. "Its population is currently estimated at 210-228 pairs. (IUCN, 2014), with an annual decline rate of approximate 26%. In 2008, the IUCN Red List upgraded the conservation level from endangered (EN) to critically endangered (CR)<sup>1</sup>, the highest level of protection. As a result, it is listed by the East Asian-Australian Flyway (EAAF) as a flagship species in coastal wetland conservation, with great conservation and symbolic significance.



▲ Spoon-billed Sandpiper fledglings are returning to the nature  
©Birds Russi

### Major Achievements

#### ► 1. Strengthening research and monitoring, providing scientific rationale for the efforts in conserving habitats for spoon-billed sandpipers

##### 1 Making steady progress in the autumn census of spoon-billed sandpipers

Due to the COVID-19 pandemic, the spring census of spoon-billed sandpipers was cancelled. In September and October 2020, the autumn census was conducted as scheduled. The autumn survey covered 8,000 km of coastline from the estuary of the Yalu River to the Beibu Gulf of China, including 72 survey sites in 24 land masses, with over 150 surveyors participating and over 6,000 entries recorded.



▲ Winter census of spoon-billed sandpipers in Qinzhou

##### 2 Conducting survey and research on food resources for plovers and sandpipers in coastal mudflats in China

We completed the sampling of large benthic animals along the Chinese coast in the spring of 2019 and 2020. We also finished the largest-scale background survey of food resources along the Chinese coast. The study shows that almost all intertidal mudflat along the coastline of China have been impacted by molluscan aquaculture farming, and the main species of molluscan are all economic shellfish and conchs. Birds choose similar food across different places and their food is closely related to economic shellfish and conchs. From the perspective of food resources, the study provides basis for the assessment of the quality of habitats for coastal birds in China. The study contributes to the understanding of the effects of aquaculture on migratory plovers and sandpipers, and explores how human activities (especially mollusk farming) can be managed to protect migratory plovers and sandpipers.

<sup>1</sup>The IUCN Red List of Threatened Species 2018.2: eT22693452A134202771. <http://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22693452A134202771.en>

#### ► 2. Improving the quality of habitats for Spoon-billed sandpipers in key habitats

##### 1 Working with Zhanjiang Mangrove Forest Nature Reserve to eradicate smooth cordgrass (*Spartina alterniflora*).

Cooperating with Zhanjiang Reserve, we conducted the mapping and measured the area of the smooth cordgrass. Subsequently, we worked out the action plan and evaluation measures. 20 hectares of smooth cordgrass was removed through mowing, mulching, plowing and biological substitutes.

##### 2 Establishing the Tiaozini working station and launching the *Tiaozini Conservation Action*

With the support of Ms. Sun Lili, founder and honorary director of MCF, we established the Tiaozini observatory and research lab, providing a platform for researchers to study and monitor migratory birds. The observatory contributed to the establishment of a high-tide habitat of 720 acres and supported the management of the habitat. In the fall of 2020, the observatory recorded 80 spoon-billed sandpipers (about 16% of the global population) and 1,150 spotted greenshanks (*Tringa guttifer*). In addition, the observatory helped removing 800 hectares of smooth cordgrass.



▲ Opening ceremony of the Tiaozini observatory

##### 3 Conserving migratory waterfowls in EAAF flyways

Working with international organizations such as Birds Russia, the Wildfowl and Wetlands Trust (WWT), and the Royal Society for the Protection of Birds (RSPB), MCF helped increase the spoon-billed sandpiper population through captive breeding in the breeding grounds in Russia. In 2020, the project team found nine breeding pairs, collected 30 eggs, and successfully hatched 27 chicks. 22 chicks were released into the wild.

Montana Bay in Myanmar is the largest wintering site for spoon-billed sandpipers in the world. MCF supported local organizations to carry out wintering census, and by doing this, MCF helped assess the global population of spoon-billed sandpipers and facilitated the international conservation efforts in Montana Bay.





### ▶ 3. EAAF partnership has been further explored and strengthened

#### 1 Joining the EAAF

On World Migratory Bird Day, October 10, MCF officially joined the East Asian-Australasian Flyway Partnership (EAAF), becoming the first civil society organization partner in EAAF in mainland China.



▲ Joining the East Asian-Australasian Flyway Partnership (EAAF)

#### 2 Engaging in the global Spoon-billed Sandpiper Task Force (SBS TF)

In 2020, MCF became a member of SBS TF and maintained close communication with the members of SBS TF. Together with SBS TF, MCF greatly improved the conservation efforts of spoon-billed sandpipers in China.

### ▶ 4. Promoting the Spoon-billed Sandpiper Conservation Alliance, and building the Spoon-billed Sandpiper Conservation Partnership Network

#### 1 Providing financial support to coastal wetland research, conservation and education

Collaborating with the Society of Entrepreneurs and Ecology, Shenzhen-Hong Kong Project Center, MCF continued to provide financial support for the “JIN CAO TONG XING” and “CHUANG LV JIA” programs, offering funding for seven environmental projects in cities and provinces including Hainan, Zhanjiang, Shanghai, Huizhou, Shenzhen. MCF supported and participated in the biennial research project of the “Green Book on China’s Coastal Wetlands Conservation”, providing scientific assessment and decision-making rationale for the conservation of coastal wetlands in China.

“SHAO HUA”, a spoon-billed sandpiper conservation grant program, was launched for the first time to provide funding for conservation communities of spoon-billed sandpiper. With the help of conservation communities, gaps in monitoring and conservation of the bird could be filled, and moreover, threats and environmental problems that migratory waterfowls are facing with could be mitigated. In 2020, 5 partners including social organizations, volunteer teams and individual bird conservationists were recruited and the total funding reached CNY 120,000.

#### 2 Organizing the 2020 Member Meeting of the Spoon-billed Sandpiper Conservation Alliance

The 2020 Member Meeting of the Spoon-billed Sandpiper Conservation Alliance was held in Dongtai, Yancheng, Jiangsu Province on November 21-22. More than 80 participants, including government officials, researchers, experts, environmental protection agencies and business representatives attended the meeting. International experts from The Common Wadden Sea Secretariat, SBS TF, RSPB delivered online presentations and discussed spoon-billed sandpiper conservation measures with alliance members. The member meeting was livestreamed online available both in China and overseas, setting a good example for international conferences that have been organized during the pandemic.



▲ 2020 Spoon-billed Sandpiper Conservation Alliance Annual Meeting

### ▶ 5. Establishing the wetland education center, carrying out capacity building and public education activities

#### 1 Completing the first handbook on building wetland education centers in China, empowering professional development of wetland education

The launch of the *Handbook on Building Wetland Education Centers in China* and its *Workbook* i.e. the 4th Symposium of Wetland Education Development was held online on December 16, and received over 520,000 views in total. Interpretation of the *Handbook*, online Q&A sessions and report presentations by 6 experts and scholars from home and abroad were included in the launch. The launch was also reported by media platforms such as China Philanthropy Times, CNR, Green Times, and Xuexi App, which increased the publicity of the launch.

The *Handbook* is forward-looking and instructive, drawing on advanced international experience and taking into account China’s national conditions. The *Handbook* will effectively promote the development of wetland education in China.



▲ China Wetland Education Center Guide for Planning and Practice

## 2 Cooperating with the spoon-billed sandpiper conservation ambassador to develop brand identity.

We have opened a certified Weibo account for publishing educational posts on migratory waterfowl conservation represented by the Spoon-billed Sandpiper. Supported by the philanthropy channel of Sina Weibo, we carried out fundraising for spoon-billed sandpiper conservation. Together with other alliance partners, we strengthened public advocacy on Biodiversity Day, World Migratory Bird Day and other environment protection days.

Wang Kai, a well-known Chinese actor, was invited to be the “Global Spoon-billed Sandpiper Conservation Ambassador” to raise public awareness of spoon-billed sandpiper conservation.

## 3 Organizing the training program of “Wetland Education—School Curriculum” with the model site of Wetland Education Centers

A training program—“Wetland Education—School Curriculum”, targeting at primary and secondary school teachers, practitioners in coastal wetland reserve and wetland parks, was organized in Jiangsu Yancheng Wetland Rare Bird National Reserve. The project effectively empowered teachers and practitioners with skills, as well as building a platform for communication and exchange among conservation partners.



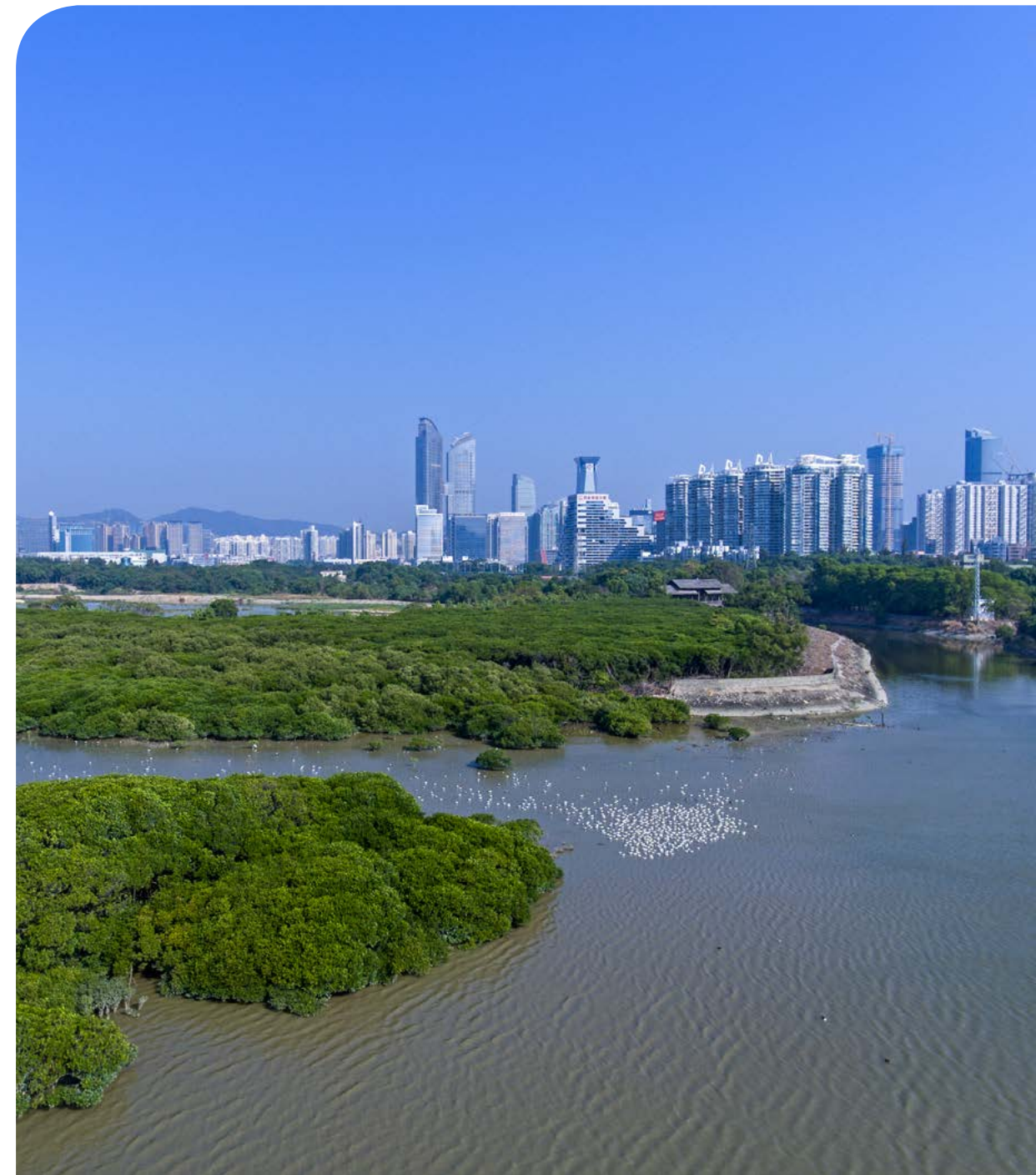
▲Wuyuanhe School of the Haikou Wetland School participating in the migratory bird watching activity organized by the Wetland Education Center Network

## 4 Organizing environmental day activities with wetland education centers

Together with the model site of Wetland Education Centers, MCF organized many fun activities on Biodiversity Day and World Environment Day in May and June. Activities included online fun quizzes and short videos, introducing the environment and landscape of the reserve. Based on our experience in the first half of the year, we integrated resources and proposed a “Migratory Bird Season” program which helped the model site showcase its strengths. These activities included online quizzes on migratory birds, mini-classes, and bird-watching activities which all received positive feedback from the public.



▲ Posters of the International Day for Biological Diversity on May 22<sup>nd</sup> ▲ Posters of the World Migratory Bird Day on Oct 10<sup>th</sup>



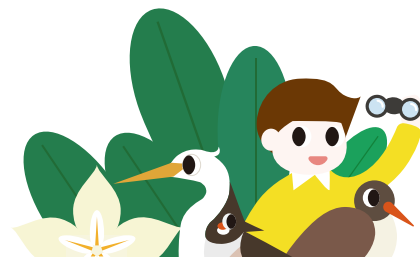
## The Mangrove Conservation and Restoration Program



### Problems

In the second half of the 20th century, 35 % of mangroves disappeared globally, while China lost 73% of its mangrove area. Over the past 20 years, China has gradually incorporated most of its mangroves into the management of protected areas, such as nature reserves and wetland parks, and has implemented a number of mangrove ecological restoration projects, increasing the area of mangroves significantly through artificial afforestation. However, China's mangroves are mostly located in densely populated coastal areas, and more than 90% are subject to varying degrees of human interference. The natural forests outside protected areas are often threatened with encroachment, while those within protected areas are still faced with the conflict between conservation and utilization. Moreover, many protected areas still lack the ability, technology and resources necessary for effective management. The monoculture of species, the use of exotic species and the overemphasis on forested areas while neglecting the integrity of ecosystem in large-scale afforestation projects have made it difficult for planted mangroves to properly provide their ecosystem service.

In Southeast Asia, which is the global center of mangrove distribution, the area of mangrove forest continues to decline. Consequently, hundreds of millions of people have lost their shield against disasters such as typhoons, and a large amount of CO<sub>2</sub> is being emitted into the atmosphere, further exacerbating climate change. Although many organizations are working on mangrove conservation in Southeast Asia, large areas of mangrove forests are unprotected due to a lack of strong policy and financial support.



## Major Achievements

### 1. Steady progress has been made in mangrove conservation research and pilot projects in restoration

#### 1 Publication of the *Report on China Mangrove Conservation and Restoration Strategy Research*

The *Report on China Mangrove Conservation and Restoration Strategy Research* has been completed. Taking both global and local situation of mangrove conservation, as well as mangrove distribution and current conservation status in China into consideration, the research analyzed the problems of mangrove conservation and restoration in China, and proposed feasible solutions.

On July 26, the English summary of the report was published on the website of the Global Mangrove Alliance, opening a window for the international community to fully understand the project results and the mangrove conservation situation in China.



▲ *Report on China Mangrove Conservation and Restoration Strategy Research*



▲ Press conference for the China Mangrove Conservation and Restoration Strategy Research Project

#### 2 Introducing international handbooks on mangrove restoration, and filling technical gaps in mangrove conservation in China

Based on the problems in mangrove restoration that identified by the research, and with the aim to fill technical gaps in China's efforts to "conversion ponds to forests and wetlands", we evaluated 12 international handbooks on mangrove restoration. The evaluation covered a wide range of topics like community restoration and "conversion ponds to forests and wetlands", and key dimensions like theories, procedures, and assessment. All the 12 handbooks were evaluated in nine dimensions, including professionalism, feasibility and compatibility. Finally, two of them meet the requirements and will be introduced into China.

#### 3 Launching a pilot project on integrating mangrove restoration and mangrove-friendly aquaculture

Fish or shrimp pond farming is an important way of aquaculture among coastal regions in China, which is also the main reason for the decrease of mangrove forests. In order to integrate mangrove conservation and aquaculture, we carried out a pilot project with a swamp crab farm in Wanning city, Hainan province, trying to find a new way combining conservation with development. By using landform modification, mangrove species selection and scientific plantation, the pilot project plans to plant and monitor mangrove trees around the crab ponds and examine the coupling effect of mangrove restoration and swamp crab farming. The project will provide practical example of mangrove-friendly aquaculture combining with mangrove conservation and restoration for China and other developing countries.

▶ 2. Improving management capacity of protected areas, and empowering mangrove conservation efforts

① Completing the field survey of 18 mangrove conservation sites

We completed the field survey on 18 mangrove protection areas in Fujian, Guangdong, Guangxi and Hainan provinces. By studying background information, interviewing managers and field trips, we obtained valuable insight into the management, restoration, monitor, education and community relationship efforts of each protected area. In addition, we gathered first-hand data about the experience and lessons that the protected area staffs have gained in their daily work and the difficulties they encountered. Their successes and failures are summarized as cases to be used to provide examples for mangrove conservation and to improve the management capacity, and thus to enhance the mangrove conservation in China.

Foundation and Paulson Institute. It is managed by MCF and implemented by the Haikou Duo Tan Wetland Research Institute, Haikou City Wetland Conservation Management Center, and Xiuying District Wetland Conservation Management Center. When the project was launched in the charity donation channel of Ant Forest, it attracted 13 million participants, setting a good example for our conservation promotion campaign in future.



▲ The launching ceremony of the Wuyuanhe wetland protected area

② Improving the mangrove rehabilitation of the Xinying National Wetland Park in Hainan Province

We provided technical support to Hainan Xinying National Wetland Park with their 1,700 acres mangrove restoration project. The rehabilitation project followed the belief of respecting the nature and highlighted the park's completeness of ecological function. The rehabilitation plan was guided by the principle that "Planting mangrove in appropriate land, conserving the wetlands where they have been thriving". The fish ponds that have been adapted to mangrove forests are divided into natural restoration areas and artificial planting areas. Sufficient mudflats and high-tide habitats are reserved as foraging and roosting habitats for migratory birds. In addition, we developed a plan to monitor the expansion of the white mangrove (*Laguncularia racemosa*) so as to remove it timely and study the mechanism of its expansion, to enhance the park's capability in sustainable management of mangrove forests.



▲ Wuyuanhe protected area project is launched for fundraising on the philanthropy channel of Alipay Ant Forest

③ Launching the joint management project for the Wuyuanhe wetland protected area

At the end of September, a 10-year project of joint management of the Wuyuanhe wetland protected area was launched in Haikou city, Hainan province. The project is an innovation in joint wetland conservation by government and non-governmental organizations. By introducing a new mode, government—non-governmental organizations—communities, the project expanded the social engagement and enhanced the park's conservation ability. The project is financially supported by Ant Forest, Laoniu

▶ 3. Expanding international cooperation and laying the foundation for implementation of conservation projects in Southeast Asia

① Joining the Global Mangrove Alliance, achieving global conservation goals

In April 2020, MCF officially joined The Global Mangrove Alliance (GMA) as the first member from China. The GMA is a community formed by international institutions involved in mangrove conservation and research. GMA is committed to promoting the goal of restoring 20% of the world's mangrove in 2030 through education, research, and conservation. With GMA as a platform, MCF built a bridge for sharing technology and experience among mangrove conservation organizations around the world. GMA's conservation efforts, especially that in Southeast Asia, will bring conservation partners together and enhancing mangrove protection from global perspective and technical support.

③ Making plan for future international cooperation for mangrove conservation

We studied the typical mangrove conservation and restoration cases in ASEAN countries, and recommended Myanmar, Cambodia, Indonesia and Thailand as priority regions for future conservation projects. The project analyzed the major threats to mangrove conservation in Myanmar, and listed potential local partners and making adequate preparation for the implantation of future international projects.



▲ The 3rd Mekong Mangrove Forum

② Co-organizing the Mekong Mangrove Forum

On October 1, MCF co-hosted the 3rd Mekong Mangrove Forum online with UNESCO Asia Office and four other organizations, aiming to promote cooperation and exchange on the conservation of mangrove blue carbon ecosystem in the Greater Mekong Sub-region. Representatives from UNESCO, the Food and Agriculture Organization of the United Nations (FAO), and the Ministry of Natural Resources and Environmental Protection of Myanmar shared their experiences and research on mangrove conservation. As an organizational representative, MCF introduced its work in mangrove conservation and restoration, as well as the protection efforts made by China.



## Expanding Cooperation

### Annual Review

MCF integrated different resources with government, enterprises, conservation organizations and research institutes, in an effort to open up more possibilities for wetland conservation.

### Major Achievements

#### ► 1. Deepening cooperation to safeguard Shenzhen Bay

On November 13, 2020, MCF and the Shenzhen Municipal Bureau of Planning and Natural Resources (Forestry Bureau) signed the *Development and Cooperation Framework for the Protection of Coastal Wetlands in Shenzhen Bay*. In five years, the two partners will make joint efforts in promoting the conservation and development of the wetlands in Shenzhen Bay, building a “Shenzhen Model” and becoming a global model site in wetland conservation.



#### ► 2. Cooperation in conserving and restoring mangrove wetlands in Zhanjiang

In January 2021, the *Agreement on the Cooperation in Conserving and Restoring Mangrove Wetlands in Zhanjiang* was signed. The project covers the following aspects of mangrove conservation: resource monitoring, clearing of invasive alien plants, mangrove restoration, capacity building, community joint management model. MCF will assist Zhanjiang Mangrove Reserve to improve its management, adaptation to climate change, and eventually turn it into a model site in global mangrove conservation. The project is supported by SEE Foundation (Beijing Entrepreneur Environmental Protection Foundation).



## Wetland Education

### Annual Review

The major responsibilities undertaken by the Wetland Education Middle Platform include building MCF's wetland education framework and its core competence. It also shoulders the responsibility to provide professional support and quality control for each wetland education project.

### Major Achievements

#### ► 1. Completion of China's first Guide and Manual for building wetland education center . The efforts will make significant contribution to the professional development of wetland education in China.

The *Guide(China Wetland Education Center Guide for Planning and Practice and China Wetland Education Center Manual for Planning and Practice)*, together with the *Manual*, not only clarifies the principles and procedures of building wetland education centers, but also elaborates on the approaches in educational planning for wetland education centers. The *Guide* and its *Manual* also provide a wealth of case studies that are suitable for wetland nature reserves in China, helping more wetland centers to provide tailored CEPA activities for targeted visitors, based on their own experiences and characteristics.

The launching ceremony of the *Guide* and Wetland Education Symposium were held online on October 16, 2020. The launch included the introduction of the *Guide*, online Q&A and reports made by six experts from both home and abroad. There were nearly 520,000 participants in the live broadcast and the following news of the launch was also widely spread in the media such as China Philanthropy Times, CRN, China Green Times, and Xuexi app.

#### ► 2. Completing the Report on the Construction of Nature Education System in Shenzhen Conservation Areas

Commissioned by the Planning and Natural Resources Bureau of Shenzhen Municipality, MCF completed the *Research Report on Planning and Development of Nature Education in Shenzhen City*. The report first reviewed the experience that Shenzhen has gained in building itself into a “City of Nature Education”; then the principles of the practices in promoting nature education were summarized and highlighted as the “Shenzhen Model”—“government-led, social forces participating, openly sharing with the public”. Based on the plan of “connecting the mountains and

seas with nature education”, the research report proposed the fundamental principles, objectives and approaches for the future promotion of nature education in Shenzhen.





黑脸琵鹭 © 贡米

### ▶ 3. Carrying out the project of “Research on the Construction of Nature Education System in Futian District”

Collaborating with Futian District Branch of Shenzhen Municipal Bureau of Ecology and Environment, MCF carried out the *Study on the Construction of Nature Education System in Futian District*. Results of the study will provide systematic, professional and high-quality nature education for young citizens in Futian District and help to promote the district as a national ecological civilization demonstration zone. In 2020, MCF has completed the data collection, interviews, and case studies, the first draft of the study will be completed in the first quarter of 2021.



▲ Training courses for schools provided by the “Safeguarding Shenzhen Bay” project

### ▶ 4. Providing professional support for wetland education

Supporting the “Safeguarding Shenzhen Bay” project team to complete the Wetland Education Planning.

Upgrading three teaching plans of school activity curriculum and providing related training for the teaching staffs.

Publication of *Wonders of Wetlands—A Handbook for Teachers of Environment Education* and completed two following training for school teachers and educational staffs from protected wetlands.

MCF provided support to implement the nature education project launched by SEE Conservation-East Sea Center, helping Shanghai Chongming Dongtan National Nature Reserve to work out its planning of wetland education center through hands-on workshops.

# Fundraising

## ¥ Donation & Fundraising (All figures in CNY)

### Data of Annual Donation\*

**31.47** million

Annual fundraising

**5.96** million

The amount of donation from four biggest public platforms totaled

**1.57** million

counts of donations

**1,199**

The number of monthly donors of the “Mangrove Family”

**4,185**

The number of monthly donors of the “Guardian of the Earth’s Kidney” (charity donation campaign initiated by Tencent)



\* Data were collected from January 1st, 2020 to December 31st, 2020

### Annual Review

In 2020, funds were collected primarily from public donation platforms, corporate donations, peer support and government procurement. We sought opportunities amidst challenges: making great efforts to guarantee the growth in public donation, exploring more donation possibilities, strengthening the cooperation with enterprise donors, encouraging innovation in fundraising. At the same time, we trained young leaders for environmental protection, preparing enthusiasts for wetland conservation.

### Major Achievements

#### ▶ 1. Diversifying fundraising and making breakthrough in key projects

##### ① Four major online donation platforms

With the addition of Sina Weibo Philanthropy, MCF has expanded and established its fundraising platforms on Alibaba Philanthropy, Alipay Philanthropy and Tencent Philanthropy. In 2020, 13 online donation campaigns were launched on the Internet platforms and effectively promoted MCF’s influence in philanthropy to the public.



▲ Casper (left), Zhanyu (middle) and Zhennan (left) are speaking on wetland conservation as philanthropy ambassadors of 99 Giving Day.

#### ② Online fundraising campaign launched in Alipay Ant Forest

On September 29, 2020, MCF launched a fundraising campaign for the Haikou Wuyuanhe Wetland Conservation Project—MCF’s first privately protected wetland, on Alipay Ant Forest. 13 million donors contributed to the campaign and owned their patch of conservation land by donating on the “cloud”. Thanks to the Internet, the campaign greatly improved the connection between donors and the wetlands.

#### ③ Members of “Mangrove Family” exceeded 1,000

In the “Mangrove Family” donation program, MCF achieved major breakthrough in monthly donation by adopting the “Donation Ambassador & Event Marketing” strategy, turning traditional donors into philanthropy ambassadors. The MCF also collaborated with the Shenzhen-HK Project Center of the SEE Conservation and launched the recruiting campaign for its philanthropy project of “Guardians for Migratory Birds” during Double 11.



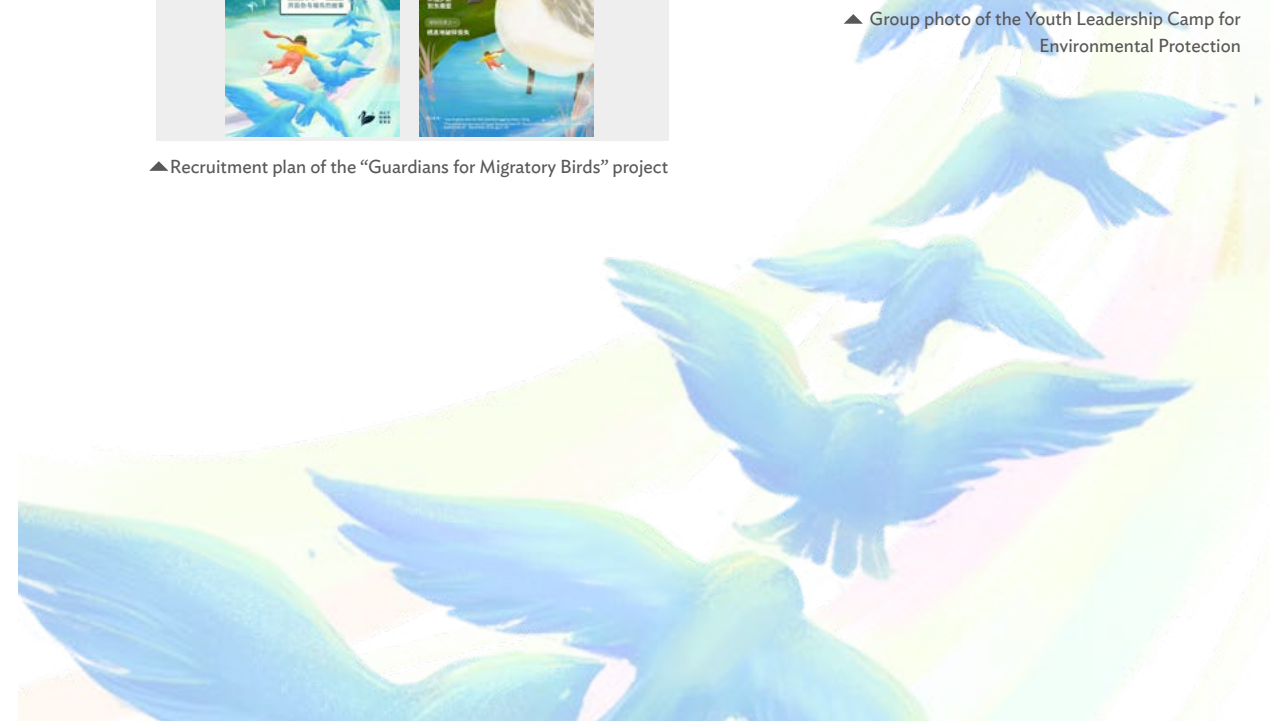
▲ Recruitment plan of the “Guardians for Migratory Birds” project

#### ▶ 2. Spreading the “seeds” of wetland conservation, launching the city’s first Youth Leadership Camp for Environmental Protection

The first Youth Environmental Leadership Camp recruited 12 children, with an average age of 11, to become the first youth leaders in environmental protection. The goal of the program is to raise young citizens’ sense of mission in protecting wetlands and nature. The youths participated in creative activities supported by the guidance and training of the MCF. In this way, the children developed their sense of responsibility and explored their creativity. In the meantime, they were able to nurture their leadership skills in participating in conserving wetlands in the future.



▲ Group photo of the Youth Leadership Camp for Environmental Protection



### ▶ 3. Innovation in the Mangrove Night Fundraising Gala, and exploring more opportunities in corporate donations

Due to the impact of the epidemic, the 2020 Mangrove Night fundraising gala was postponed from the May 23 to November. MCF innovated the organization of the gala by holding the event with Shenzhen Harmony Club. The 2020 gala witnessed record highs in terms of the number of participants, acquisition rate of new donors, numbers of donors and media coverage. In addition, the charity show during the fundraising session in the gala was another innovation in order to attract more corporate donations. All innovations made in the gala continue to enhance the sustainability and diversity of the MCF's fundraising efforts.



▲ Group photo of the 2020 Harmony Club & Mangrove Night Fundraising Gala

## Brand Visibility

### Annual Review

In 2020, MCF attempted to communicate with the public directly on the aspects of organization, projects and fundraising by showcasing important milestones and exercising social influence. Total visitors to our Internet accounts on Sina Weibo, WeChat and Alipay life exceeded 50 million. The most exciting breakthrough was made in celebrity endorsement. We have had many unforgettable experiences and stories this year, and we also look forward to having you as a member of our wonderful events in 2021.



Otter: Hello, Shenzhen!



The Report at a glance



The Wild Animal Conservation Law was revised, but what does it mean to wetland conservation?



Paintings by kids in "Bird-loving Week" on the theme of "safeguarding birds with my brush"

## Major Achievements

### ▶ 1. Increasing visibility, consolidating communications in both new media and traditional media, commencing the first year of celebrity endorsements

The annual total views on both new media and traditional media reached to 50 million, exceeding the target of 40 million. New cooperation schemes were established with social media platforms such as Sina Philanthropy, ByteDance, Meituan Philanthropy and Kuaishou Philanthropy. For instance, to promote the "Saving Spoon-billed Sandpipers" project, we invited Wang Kai, a well-known Chinese actor, as the conservation ambassador for both the project and MCF; for "Safeguarding Shenzhen Bay" and "Mangrove Conservation and Restoration Program", we invited over 20 young idols of the new generation from Star Master to be the spokespersons for the projects. These collaborations significantly increased the public's awareness of wetland species. The MCF also diversified its cooperation with the fans of young idols, including 8 collaborations with the official website of Jackson Yee, the young Chinese actor.



▲ Wang Kai, the young Chinese actor becomes the Conservation Ambassador for Spoon-billed Sandpipers

### ▶ 2. Crossover collaborations driven by internal values; new voices in fundraising

In 2020, we were more open in crossover collaborations and collaborated with a wide range of business including Sundan, Tianwang Watch, Chow Tai Fook, Langham Hotels, Hey Tea, Luanying, ROEHL and other enterprises. We further strengthened the connection with our partners in different fields through diversified collaborations such as cause-related marketing, derivative products and resource pooling.



▲ Cooperation with local shops of Sundan



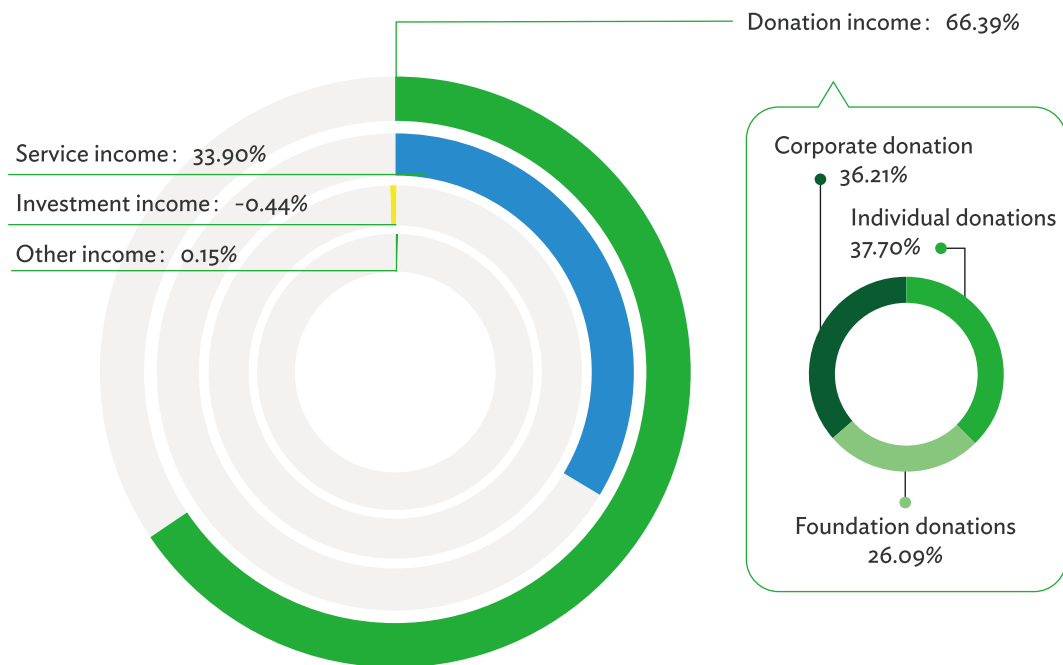
# Financial & Audit Report

## Income and Expenditure

The following statistics are quoted from the 2020 annual audit report of Shenzhen Mangrove Wetland Conservation Foundation.

### Income (All figures in CNY)

<b>Donation income</b>	<b>20,887,133.05</b>
Individual	7,874,407.59
Foundation	5,449,862.58
Corporations	7,562,862.88
<b>Service income</b>	<b>10,665,116.51</b>
<b>Investment income*</b>	<b>-139,241.23</b>
<b>Other income</b>	<b>47,674.31</b>
<b>Total income</b>	<b>31,460,682.64</b>



\*In case the investment income shows negative, i.e. deficit, please refer to "Note 13, Investment Income" on page 16 of the audit report for details

## Expenditure (All figures in CNY)

### Expenditures on project activities

**23,173,957.42**

#### First quarter of 2020

Management Fee of the Futian Mangrove Ecological Park	3,846,457.78
Nature education	386,756.10
Brand visibility	143,141.90
Wetland conservation, research and development	381,460.00
Other expenditure	125,837.03

#### Second, third and fourth quarters

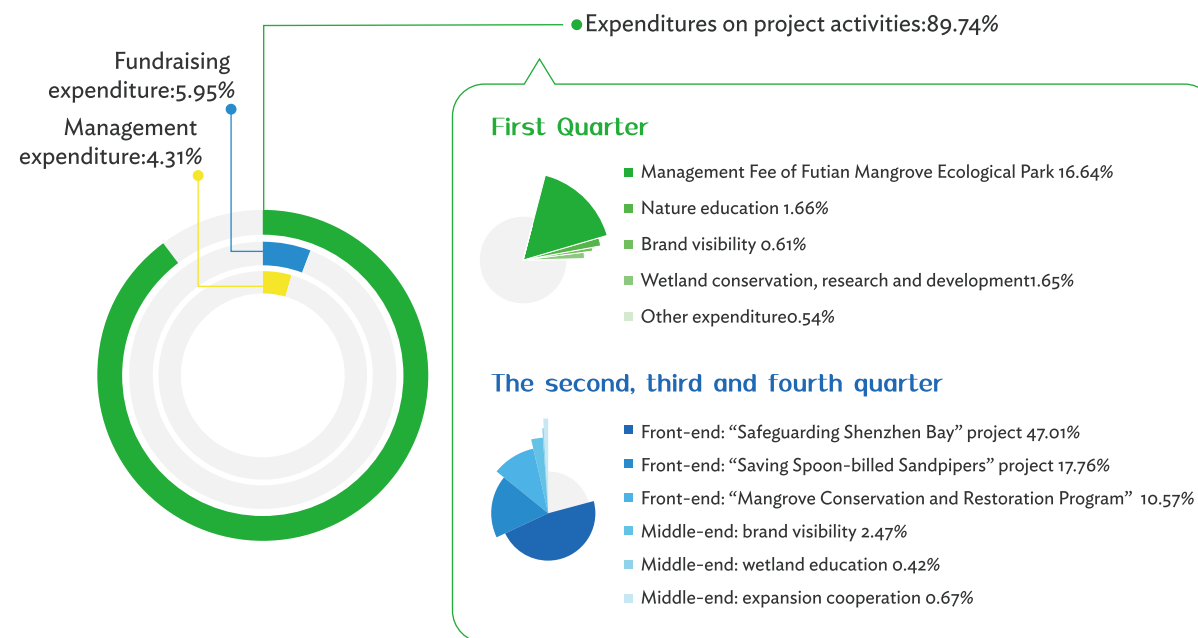
Front-end: "Safeguarding Shenzhen Bay" project	10,894,129.49
Front-end: "Saving Spoon-billed Sandpipers" project	4,117,177.22
Front-end: "Mangrove Conservation and Restoration Program"	2,451,015.18
Middle-end: Brand Visibility	572,974.10
Middle-end: Wetland Education	98,682.20
Middle-end: Expanding Cooperation	156,326.42

### Fundraising expenditure

**1,536,945.78**

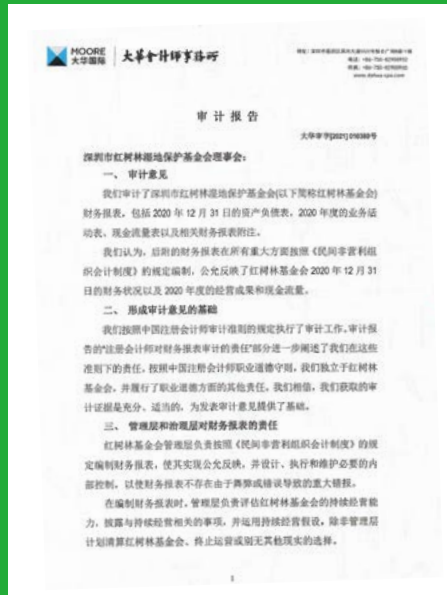
### Management expenditure

**1,113,696.85**

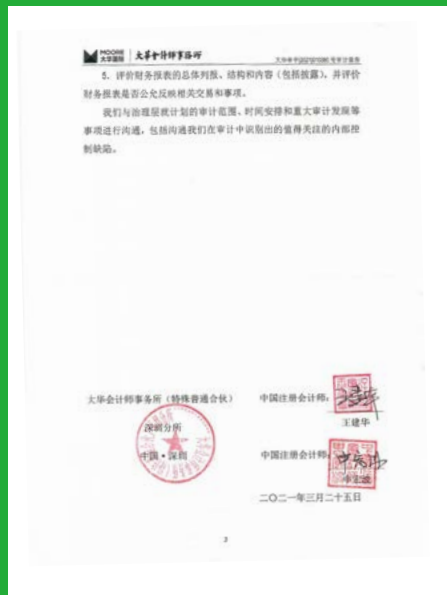


Note: In January 2020, the Board of Directors reviewed and approved the MCF's eight-year strategic plan. Guided by the recommendations of the strategic plan, the secretariat proposed an organizational restructuring initiative to convert functional departments into "Front-End", "Middle-End" and "Back-End", a new model of team management. Therefore, the income and expenditure data in the first quarter were calculated in functional departments, while the second, third and fourth quarters were grouped in teams.

# Audit Report



Scan the QR code to get access to the complete audit report.



IUCN: (EN)

# Black-faced Spoonbill *Platalea minor*

## 2800 KM

Every year, black-faced spoonbills migrate southward, traveling the distance as long as **66** Marathons.

Migration route to the south

### From the Korean Peninsula to Southern China

One of the threats

### Human intervention



Tell us the story about you and migratory birds.



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MCF's Sina Weibo Account

@ MCF @ Futian Mangrove Ecological Park @ Spoon-billed Sandpiper Conservation Alliance



Official WeChat Account of MCF



Official WeChat Account of Futian Mangrove Ecological Park



Scan to follow us on TikTok



Scan to follow MCF's Video Channel on WeChat

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