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2022 | **Annual**
SEE Foundation | **Report**

Founded by Society of Entrepreneurs and Ecology (SEE) in 2008, SEE Foundation was established with the mission of supporting and nurturing Chinese environmental civil society organizations, and facilitate a learning platform for entrepreneurs, NGOs and the public to engage in environmental protection and sustainable development.

Founded on June 5th, 2004, SEE is a ground-breaking non-governmental organization aiming to protect the environment. It was the first environmental protection NGO in China with a membership comprised mainly of entrepreneurs who are dedicated to practicing corporate social responsibility.

At the end of 2014, SEE Foundation became a public fundraising foundation. Based on promoting industrial development, SEE Foundation working on four main areas, namely desertification control, climate change and business sustainability, ecosystem conservation and nature education, and marine protection.

SEE has won such honors as a National Exemplary Social Organization from Ministry of Civil Affairs, Beijing Social Organization Demonstration Base, China-Europe Green Award for the Ecological Transition, the title of 5A Level organization in China Social Organization Evaluation Grade and A level organization in Beijing Social Organization Evaluation Grade. SEE is also one of the foundations with the highest level of transparency in China. It got full marks of the Foundation Transparency Index (FTI) launched by China Foundation Center, and its project expenditure ranked the highest among all the Beijing foundations that got full marks.

Currently, SEE Foundation has launched some brand projects such as 100 Million Suosuo, Groundwater Conservation, Free Flying Wings, Blue Defenders, Green Supply Chains, Green starters, Growing Up Together, Noah's Ark, Save the Smile of the Yangtze River, Conserving the Sanjiangyuan Region and Marine Conservation. SEE has directly and indirectly supported the environmental protection work of over 1000 Chinese civil society organizations and individuals. SEE has received accumulatively nearly 900 million times of support from the public. SEE expects to maximize the value of its social platform and inspires more and more people to participate in environmental protection, while securing the continued growth and optimization of resources from entrepreneurs and society for a better environment.

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Messages

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Message from the Chairman of Council



XU Xiaonian | Chairman

As we know, European and American countries progressed from agricultural economy to the industrial age around 1800. In the 19th and 20th centuries, economic modernization driven by industrialization swept most parts of the world. The application of steam engines, electricity, internal combustion engines, chemical engineering and other technologies significantly increased the use of energy, resulting in an exponential surge in carbon dioxide emissions. The greenhouse gas effect is regarded as an important cause of climate warming. Despite a debate over the cause of temperature rise in the scientific community, energy conservation and emission reduction have become global consensus, because sustainable economic and social development would be impossible without this.

There is no need to get into a panic about exponential carbon emissions. Economic modernization has caused environmental problems on the one hand, but has given a great impetus to the progress of human civilization on the other hand. Corresponding to exponential surge in carbon emissions is an exponential increase in population and improvement in living standards. Since the Industrial Revolution more than 200 years ago, the world's population had soared from about one billion to six billion in 2000, and the per capita GDP as a gauge of living standards had also increased six times. This is an unprecedented quantum leap in the history of human civilization! Thanks to the abundant food and nutrition as well as the improving medical and health conditions, the world's average life expectancy has jumped from more than 30 years before industrialization to more than 70 years today, and even as high as 80 years in economically developed Western countries.

A review of the achievements brought by modernization is not to downplay the arduous task of environmental and ecological governance, but to discuss the sources of achievements, thereby finding the answer to problems. The economic growth and improvement in living conditions in the past 200 years is fundamentally underpinned by continuous technological innovation. New technologies – from

Watt steam engines to the Forte production line, Steve Jobs' smartphones and Altman's ChatGPT – have emerged and become a powerful force in the market economy, thoroughly and profoundly changing the ways we work and live.

The problems caused by technological progress can be solved by technological advances. The modern economy seems to have some capacity for self-correction. For example, technological progress brings about changes in the economic structure, and the proportion of energy-intensive manufacturing industries naturally shrinks, while the energy-efficient service industry is expanding. The widespread use of intelligent technology leads to miniaturized and lighter machinery and equipment, thereby saving raw materials and energy required for manufacturing. While the operation of smart chips consumes electricity, there is a famous Moore's law in semiconductor industry: the number of transistors that can be placed on an affordable integrated circuit will double during every 18-24 months. It means that semiconductors are getting smaller, have increasing performance, and consume less power. Small chips are not to be sneezed at. Some predicted that as the Internet, cloud technology and artificial intelligence become increasingly popular, chips will overtake industry or life served as the biggest electricity user. Technology also brings hope to mankind in the form of renewable energy, as well as controlled nuclear fusion, the ultimate zero-pollution and zero-emission energy solution.

According to statistics, we have reason to be optimistic about technology. The consumption of fossil fuels per unit of GDP in various countries has been decreasing since at least the 1970s. In other words, energy efficiency is increasing. We use energy consumption per unit of GDP rather than absolute value of energy consumption or carbon emissions because environmental protection, like all economic and social development goals, is a balance between benefits and costs. It is noteworthy that in the last three decades of the last century, green and low-carbon development was not as popular as it is today, and the government did not regard emission

reduction as an important or even paramount policy goal as it is today. The public, social organizations and enterprises have long ago acted to support and use energy-saving products and research and develop energy-saving technologies.

In addition to energy consumption per unit of GDP, per capita carbon emissions will decrease in the post-industrial era. Per capita carbon emissions in developed countries peaked at the turn of the century and are gradually declining in this century. The per capita carbon emissions in the United States are among the highest in the world, and emissions have been significantly reduced since 2000. The per capita emissions of the 28 EU member states are about half that of the United States, with a trend similar to that of the United States. China has a low level of emissions, but its emissions have been rising over the past two decades, and have surpassed those of the EU in recent years. However, it begins to show signs of stabilization. The trend of rising emissions may be inevitable for India, whose economy is in the early and middle stages of industrialization.

Another key message is that countries with low GDP per capita have low levels of per capita carbon emissions, but carbon emissions are increasing. Countries with high GDP per capita have high emissions but their emissions are gradually decreasing. This correlation reminds us of the need to keep a dynamic equilibrium between the economy and the ecological environment. Industrialization is a necessary stage of economic development, and it is unrealistic for low and middle-income developing countries to adopt the environmental protection standards set by developed countries. Developed countries should give consideration to the current situation of developing countries in international negotiations and policy coordination and avoid asking for too much while speeding up the transfer and sharing of environmental protection technologies.

The modern economy has sufficient resilience and innovation capacity. The importance of low-carbon development and environmental protection has become the popular concept through media dissemination and public discussions in society. The concept is translated into environmentally friendly actions. It also transforms consumers' purchasing behavior and market prices, and guides and motivates enterprises to invest in research and development and to launch eco-friendly technologies and products.

Mankind have created the modern economy through the technological revolution, and can also ensure its sustainable development through the technological revolution.



Message from the Executive Director of Council

Embrace changes and move forward steadily



SUN Lili | Executive Director

In 2022, the eighth governance team moved forward steadfastly in the changing situation fraught with challenges, and fulfilled its duties. This year, we witnessed personal practices, and upheld the spirit of Chinese entrepreneurs and the aspiration of SEE for environmental protection amidst changes and uncertainty.

In 2022, we further grew against the sluggish global economy caused by the COVID-19 pandemic. This year, thanks to the joint efforts of all members, SEE Conservation, SEE Foundation and Shenzhen Aleshan Foundation raised more than 470 million yuan, and more than 82 million person-time donations were made, which hit all-time highs.

In 2022, we took a long view, and further broke new ground. 154 entrepreneurs joined us to increase public benefit, keeping alive the public welfare dream and mission of President Xiaoguang and all the members.

In 2022, we encouraged China's non-governmental environmental protection forces to participate in cooperation of globalization. This year, we worked with enterprises, industries and environmental NGOs to support China in fulfilling commitments to low-carbon development. We encouraged SEE Conservation members to participate in global environmental governance, worked together to build an

environmental protection public welfare community, and showed the world China's solutions, actions, wisdom and sense of responsibility to cope with the global climate change and biodiversity crisis, as well as a diversified and all-round image of Chinese non-governmental environmental protection public welfare.

Original aspiration remains unchanged. Thanks to the efforts of the members over 18 years, SEE has developed a diversified public welfare ecological system that brings together over 700 members, 31 environmental protection project centers and 18 initiators. The SEE collaborates with over 900 non-profit environmental protection partners to encourage 800 million person-times to participate in and support environmental protection, further spreading the public welfare concept of the SEE.

Have the world in mind and bring benefit to all. In 2023, may SEE continue to work for the dream of protecting the environment under the leadership of the new governance team.

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Message from the Chair of the Board of Supervisors



CUI Cheng
Chair of the Board Supervisors

The social responsibility of entrepreneurs is the top commercial value of enterprises. I have always been encouraged by the enthusiasm of SEE entrepreneurs for public welfare. Over the past two years, the seven members of the Board of Supervisors have performed supervisory tasks on the basis of division of labor in accordance with the rights and obligations stated in the *Charter* demonstrating the subjective initiative and efficiency of each supervisor.

Every letter, investigation and communication we received and did over the past two years are still fresh on my mind. We thank the Council for its strong support for our work, thank the Charter Committee for its detailed interpretation and help regarding our policies and rules, thank the Secretariat for its assistance in our work, and thank all members for their understanding and tolerance. I will consistently uphold the belief of "performing programs for public good and spreading contribution and dedication". I will be devoted to the environmental protection undertakings of the SEE, and work for our hopes and dream!

Message from the Secretary General



YANG Biao
Secretary General

As a grant-making modern foundation, SEE Foundation has been involved in environmental programs in urban and rural areas as well as the nature over the past 14 years. Through environmental protection efforts such as governance, mitigation and improvement, SEE Foundation has participated in Green Supply Chains, species conservation and ecological restoration. Up to now, we have supported over 900 Chinese environmental protection NGOs, and launched environmental protection projects to encourage nearly 800 million people to get close to nature and work to protect the environment. SEE Foundation is characterized as a platform and hub. We help environmental protection NGOs localize, so that they can further develop and lead entrepreneurs and enterprises to fulfil social responsibility and achieve green development. The government and relevant agencies, research institutions, and the public are involved to achieve public sharing.

In 2022, we held the first SEE Foundation Public Welfare Development Forum. At the forum, nearly 100 experts and entrepreneurs in various fields, and philanthropists shared ideas for promoting ecological conservation and sustainable development. This year, we steadily increased large-scale fundraising, expanded cooperation areas, and worked with various platforms and philanthropic merchants to promote public participation. At the same time, we have launched more public welfare products, and make public welfare programs more transparent. I would like to thank all sectors of society for its long-term support for China's environmental protection cause and SEE Foundation's environmental protection projects. In the new year, let us work together for the dream of environmental protection and public welfare.

Science Advisory Committee (the 3rd session)



WEI Fuwen

Director of the Science Advisory Committee and Chief Scientist

Effective biodiversity conservation depends on the support and participation of government departments, scientific institutions, relevant organizations and all sectors of society. In recent years, China's environmental protection NGOs have ballooned, and the public has become more aware of environmental protection, which contribute to biodiversity conservation.

As a key environmental protection NGO in China, SEE Foundation has made useful attempts for China's ecological progress, biodiversity conservation, and response to climate change through the practice of environmental protection projects in cooperation with NGO partners, sharing Chinese experience with the world.

At the same time, openness and win-win cooperation is the theme of today's global development. Capacity for cooperation is a key indicator of an organization's influence. In recent years, SEE Foundation has made brilliant achievements in the field of environmental protection. SEE Foundation has funded over 900 environmental protection NGOs across the country, and carried out diverse environmental protection publicity and education as well as exchange activities in over 30 cities nationwide, which have had a good social impact. It has become a well-known Chinese organization in the field of biodiversity conservation. It is expected that SEE Foundation will work with researchers to innovate and complement each other, and contribute to the cause of biodiversity conservation in China.

Director of the Science Advisory Committee

WEI Fuwen

Academician of the Chinese Academy of Sciences(CAS)
Researcher at the Institute of Zoology, Chinese Academy of Sciences

A member of the Committee on Desertification Control

LU Qi

Director of Institute of Desertification Studies, Chinese Academy of Forestry Sciences (CAS)
Director of Desertification Research Institute of Southwest Forestry University
Leader of the discipline of desertification control

QU Jianjun

Researcher of Northwest Institute of Eco-Environment and Resources, Chinese Academy of Sciences
Director of Gansu Wind and Sand Disaster Prevention and control Engineering Technology Center
Director of Dunhuang Gobi Desert Research Station

XU Xianying

Director of Gansu Desert Control Research Institute
Desertification and sandstorm disaster prevention and control in Gansu Province -- Director of the State Key Laboratory jointly built by the province and the ministry

YANG Youlin

Regional Coordinator for Asia and Pacific Region, UNCCD
Senior Research Fellow of Xinjiang Institute of Ecology and Geography, CAS

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Researcher at the Third Institute of Oceanography, Ministry of Natural Resources

YANG Shengyun

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Chairman of Mangrove Ecology Specialized Committee of Ecological Society of China

FAN Hangqing

Researcher of Guangxi Mangrove Research Center
Member of Mangrove Ecology Specialized Committee of Ecological Society of China

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Researcher of Third Institute of Oceanography, Ministry of Natural Resources

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SHI Han

Doctoral supervisor at City University of Hong Kong
Senior Policy Advisor, United Nations Industrial Development Organization (UNIDO)

QIN Tianbao

Vice Dean of Wuhan University School of Law and Director of the Research Institute of Environmental Law
Vice President and Secretary General of Chinese Society of Environmental and Resources Law

ZHOU Dadi

Former director and researcher of the Energy Research Institute of the National Development and Reform Commission
Deputy Director of the National Energy Expert Advisory Committee
Member of China National Climate Change Expert Committee

International Advisory Committee

ZHANG Xinsheng

Former President and Chair of the Board of Governors of the International Union for Conservation of Nature (IUCN)
Member of China Carbon Neutrality Forum

Professor AlexN. Halliday

Dean of the Earth Institute of Columbia University

Professor Richard Snieder

Co-founder and Chief Solution Officer of Oneworld Star International Holdings Limited

Professor Edward Cunningham

Director of Ash Center China Programs and of the Asia Energy and Sustainability Initiative at Harvard Kennedy School

Dr. Russ Mittermeier

Chief Conservation Officer for Global Wildlife Conservation

02

CHAPTER

Our 2022

Environmental projects 011



Our 2022

100 Million Suosuo

The "100 Million Suosuo" project aims at planting 100 million native psammophytes represented by Suosuo (*Haloxylon ammodendron*) across crucial eco-regions in Alxa within a span of ten years (2014-2023) and restoring around 133,300 hectares of desert vegetation for the purpose of improving the local ecological environment, curbing the spreading of desertification, and enhancing the living standard of the local herdsmen on the strength of the derivative economic value of Suosuo. By the end of 2022, this project has cumulatively planted 78.43 million psammophytes (111,096 hectares) represented by Suosuo in key eco-regions of Alxa.



Groundwater Conservation

The Groundwater Conservation project aims to reduce groundwater extraction in agricultural activities by promoting water-saving crops and technologies. At the same time, it also works with local government departments to boost the implementation of relevant water conservation policies and maintain the balance of groundwater extraction and replenishment in oasis agricultural areas in Alxa. Under the premise of rational use of groundwater, it actively explores new environmentally friendly agricultural development models, helps farmers expand their income channels, and ultimately achieve the dual effect of groundwater conservation and agricultural income increase. Since 2009, SEE Foundation has been working to promote the cultivation of millet as a crop that can make dual contributions to local ecology and economy. As of the end of 2022, water-saving millet plantation reached a cumulative total of 2,230.72 hectares, with 756 rural households participating.



Blue Defenders

Targeted at the direct sources affecting environmental quality (industrial and mobile pollution sources), this project seeks to promote the disclosure of pollution information, public supervision of pollution sources, pollution abatement and sustainable development of enterprises, and contributes to the resolution of environmental pollution issues in water, air and soil fields. By the end of 2022, the project directly had supported 62 first-line organizations engaged in environmental protection and public welfare industries nationwide to become "Blue Defenders", covering 21 provinces in China. Over 80 million yuan has been provided for the first-line partners of "Blue Defenders", and a total of 8,346 enterprises and pollution points have been promoted to be rectified. The environmental database it supported covers 12.75 million enterprises across the country with more than 6.05 billion pieces of data.



Green Supply Chains

Real estate enterprises promote their upstream suppliers to revamp and improve their environmental practices through implementing green procurement, thereby reducing pollution and carbon emissions throughout the supply chain. Since its launch in June 2016 till the end of 2022, 106 real estate companies have joined the project. In 2022, the project had accomplished: building an online database for its "Environmental Compliance White List" which contains over 1.3 million suppliers from 13 different green procurement categories, admitting 46 suppliers into the "Green List", facilitating a cumulative amount of green procurement to 37 billion yuan, and leading the real estate sector to achieve over 7.4 million tons of carbon reduction.



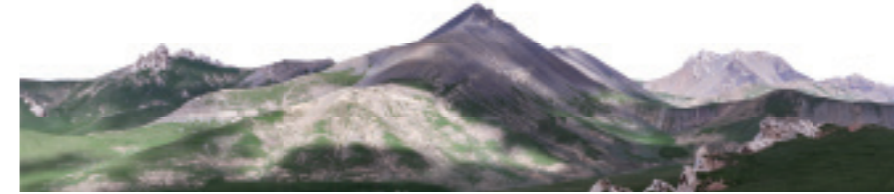
Free Flying Wings

"Free Flying Wings" is an integrated ecological conservation project that primarily conserves migratory birds and their habitats in China. Adopting a model of socialized conservation with the initiation by NGO, investment from enterprises, and participation of the public, the project aims to promote the conservation of Chinese migratory birds and their habitats by undertaking folk conservation network action, bird research and citizen science, policy recommendations and advocacy, and other work. As of the end of 2022, the Project supported 81 organizations to carry out conservation projects in 117 gap areas which need conservation, covering more than 4,000 square kilometers of bird habitats; promoted the inclusion of 8 project sites into the governmental protected area system and 3 wetlands recognized as Ramsar sites, and the establishment of 3 nature reserves and 2 wetland parks; submitted more than 310,000 records of bird survey, recording more than 700 bird species; submitted more than 3,000 records of threats such as poaching, pollution and development construction; carried out more than 1,400 public participation and science popularization education activities, covering more than 880,000 people.



Conserving the Sanjiangyuan Region

The "Conserving the Sanjiangyuan Region" project aims to promote the establishment of a community interactive network model, maintain the authenticity of the natural ecosystem in the Sanjiangyuan Region, realize the harmonious coexistence of human and nature in the Sanjiangyuan Region, and protect China's most unique plateau ecosystem and the water source of 700 million people. Since its launch in 2012, the project has led 115 local environmental protection organizations and environmentalists to participate in the protection network, and carried out pilot grassland restoration of 650 mu, with a cumulative protected area of 127,000 square kilometers. In 2022, 5 new projects were funded, and 3 projects were completed, with a total budget of about 3,423,800 yuan, covering issues such as species and habitat protection, water source protection, grassland management, human-animal conflict exploration, and community protection image dissemination.



Noah's Ark

The "Noah's Ark" project is committed to the biodiversity conservation of primary forest and plateau wetlands in the mountainous regions of Southwest China and tries to explore and promote the friendly and interdependent relationship between human society and the ecosystem, facilitate the landing conservation led and managed by local people, exploit local biological resources in a sustainable way and bring benefits to local people during the course of this conservation project. By the end of 2022, 70 Green peafowl chicks have been born in the project site. The project funded the development of a mobile acousto-optic alarm system to prevent Asian elephants from causing accidents, and carried out intelligent recognition training on Asian elephant data return; optimized and restored 9,000 mu of Asian elephant habitat, completed the *Green Paper on Protection of Yunnan Snub-Nosed Monkey Conservation*; promoted a number of projects such as the protection of Himalayan bees, the protection of endangered Chinese herbs, the protection of indigenous fish in the Jinsha River, and the protection of the Xinzhu Botanical Garden, and helped restore the endangered local tree species such as *Tetracentron sinense*, *Acer yangbiense*, and *Firmiana major* in their original places. In 2022, 880,000 Asian elephants' favourite feeding plants and rainforest tree species were planted, 26 sets of ecological sanitary baths were provided to Yunnan snub-nosed monkey communities, 3,963 native tree species were planted, and three Yunnan provincial standard technical regulations for green peacock protection were formulated. The SEE See series popular science books, *Plant Atlas* (5 volumes) and *Monkey Watching Notes* (1 volume) were compiled and published.



Save the Smile of the Yangtze River

The "Save the Smile of the Yangtze River" project aims to enhance the participation and effectiveness of social organizations in the rescue of aquatic organisms such as the Finless Porpoise, and form a linkage among the forces of the government, scientific research institutions, caring enterprises, environmental protection public welfare organizations, and the public, and effectively participate in the rescue of the Finless Porpoise, ultimately achieving the beautiful vision of restoring their population and stabilizing the healthy development of the Yangtze River ecosystem. It currently covers three major brand projects: "Assistant Patrol", "Finless Porpoise and Love - Dissemination Project", and "Finless Porpoise Jumps Out of the Water - Scientific Popularization and Research Project". As of the end of 2022, 522 assistant patrol teams were established, more than 20,000 fishery administration assistant rangers were developed, 203 key members of the assistant patrol teams were trained, and the rangers were organized to participate in water patrol, science popularization and publicity, and aquatic life protection, making them an important complementary force for law enforcement of the 10-year ban on fishing in the Yangtze River.



Green Starters

The "Green Starters Funding Scheme" is dedicated to exploring and supporting start-up environmental protection & public welfare teams intended to be organized, so as to make the environmental protection and public welfare industries more healthy and diversified, and finally achieve the objectives of ecological environment protection and sustainable development. From the inception of the project in 2012 to December 2021, it has funded a total of 511 start-up organizations engaged in environmental protection and public welfare industries, with a total funding amount of more than 43.22 million yuan. "Green Starters" are distributed in 31 provinces and regions across China, and are playing active roles in many environmental protection-related fields such as ecological protection, pollution prevention and control, nature education and waste reduction.



Growing Up Together

By tutoring and accompanying the leaders of growth environmental NGOs, the "Growing Up Together (GUT)" project helps them break through the bottleneck in organization development, grow into the core of regional or issue level, and respond more effectively to environmental issues in future. Since 2013, the project has funded 96 GUT partners with fund—more than 45 million yuan, and 217 GUT mentors' volunteer service—more than 25,400 hours. The "Jingcao Carnival", a sub-brand activity which aim to public environmental advocacy, has carried out nearly 70 nature education activities in 34 cities across China, affecting 85 million people in total.



Marine Conservation

The "Marine Conservation" project focuses on the issues of conservation of marine flagship species, the protection and restoration of key marine ecosystems, and sustainable fisheries. Through the social public welfare platform of SEE, the project connects governments, enterprises and the public to drive more forces to pay attention to the marine ecological degradation and climate change crisis, and provides solutions to address the climate change crisis and achieve sustainable goals. The project also contributes to the construction of marine ecological civilization, and the global goal of protecting 30% of the ocean by 2030. As of the end of 2022, the project supported the development of more than 70 native marine public welfare organizations, rescued and released more than 320 sea turtles, protected more than 350 Chinese white dolphins, restored more than 166.67 hectares of key marine ecosystems such as mangroves, seagrass beds, beaches and coral reefs, with a total protected area of more than 20,000 hectares and more than 10 million people benefited directly or indirectly.



03

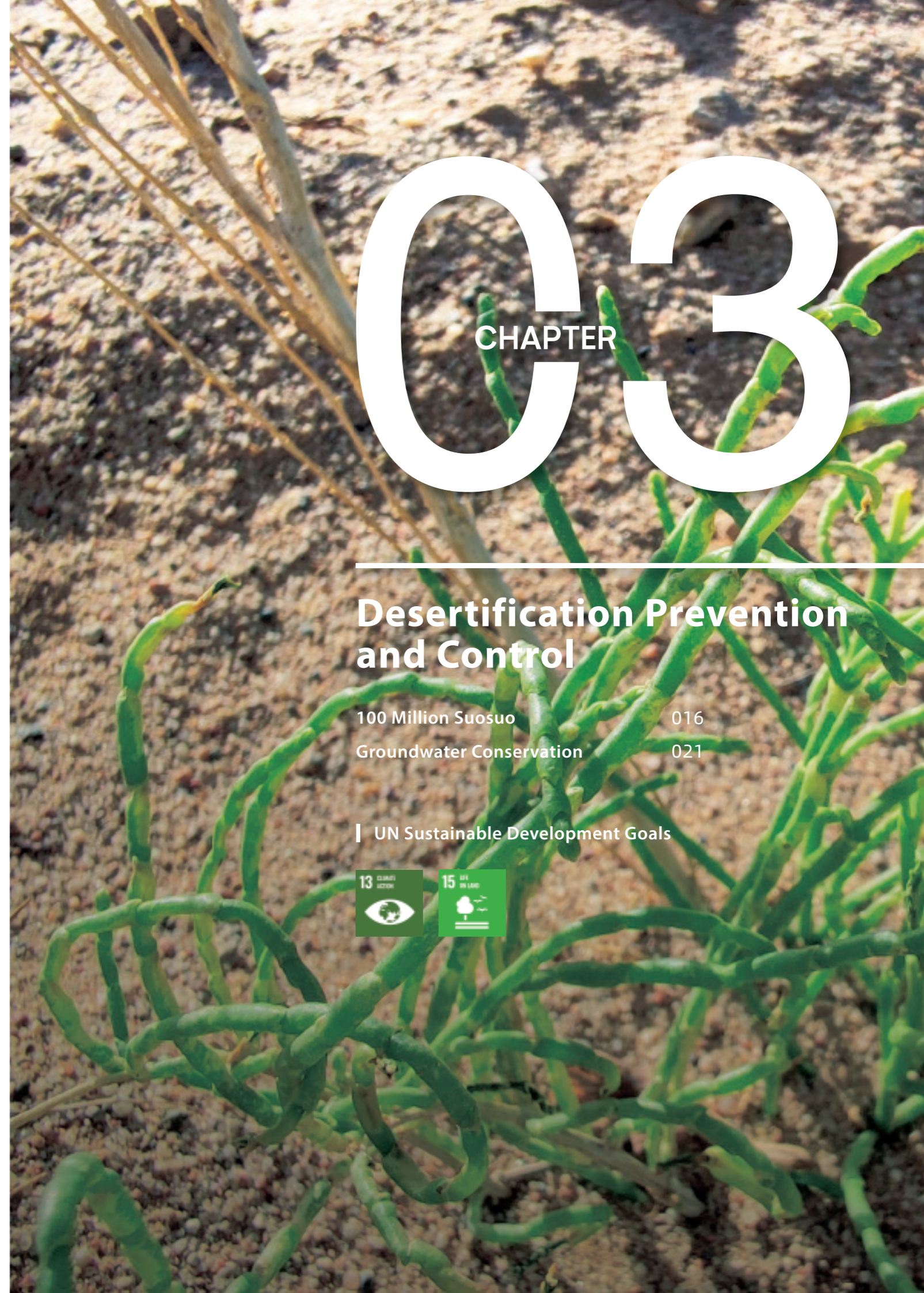
CHAPTER

Desertification Prevention and Control

100 Million Suosuo 016

Groundwater Conservation 021

| UN Sustainable Development Goals



100 Million Suosuo

The "100 Million Suosuo" project is dedicated to planting 100 million native desert plants represented by Suosuo (*Haloxylon ammodendron*) in the key eco-regions of Alxa in the ten years from 2014 to 2023. The project aims to restore approximately 133,300 hectares of desert vegetation, thereby improving the local ecological environment and curbing the spread of desertification. Additionally, the project seeks to enhance the living standard of the local herdsmen by the derivative economic value of Suosuo.

By the end of 2022, this project has finished the plantation of 78.43 million psammophytes (111,096 hectares) represented by Suosuo in key eco-regions of Alxa.

Achievements of this project in Vegetation Restoration for the year 2022

Newly-added Projects

In 2022, the Society of Entrepreneurs and Ecology (SEE) Foundation has cooperated with the Science, Technology, Forestry and Grassland Bureau of Alxa Left Banner and other units in planting new man-made forestry, such as Suosuo and scoparium (*Corethrodedron scoparium*).

| | | |
|---|--------------------------------------|------------------------------------|
| 4,573.33 ha. 3.308 million Suosuo | 7 Sumu Towns involved | 13 Gachas involved |
| 22 Planting households participated | 4,381.25 ha. Approved area | 95.8% Qualification rate |

Performed Projects

| | |
|--|--|
| 29,706.67 ha. Performed area | 693.33 ha. Performed area of projects in 2019 |
| 26,320 ha. Approved area | 14,340 ha. Performed area of projects in 2020 |
| 88.6% Qualification rate | 14,673.33 ha. Performed area of projects in 2021 |



Suosuo planted in 2020

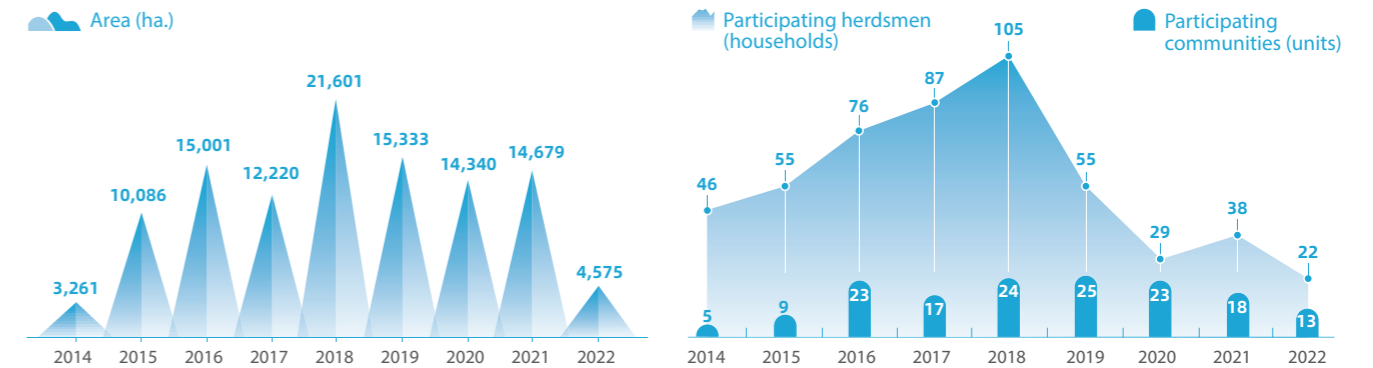


Suosuo planted in 2021



Suosuo planted in 2022

Achievements of the Projects Over the Years(2014-2022)



Annual Progress

Scientific research and exploration

Construction Scheme of Fixed-point Observation Platform for Ecological Effect of 100 Million Suosuo

Focusing on the observation of typical artificial environmental factors in the areas of the "100 Million Suosuo" project, this platform tries to obtain an understanding of the impact of artificial forests on the ecological environment through environmental micro factors of the key areas in Alxa and thus makes a quantitative evaluation and recommendation for the desertification prevention and control effect of the project. In 2021, with the installation and utilization of the core equipment -- IRGASON integrated vortex observation system, the platform can conduct a real-time monitoring of the relevant data changes in the areas of the project. In 2022, it collected data three times, totaling 42G.



Inspection and Monitoring of the Operation Status of Equipment

Dynamic Monitoring and Comprehensive Evaluation on Ecological Functions of Suosuo Forest

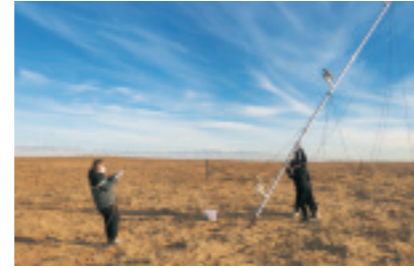
The project comprehensively evaluates the ecological, economic and social service values brought by the plantation area of Suosuo forest from a macro scale and provides a scientific reference for the local ecological environment protection and ecological security construction. At present, it has completed the image collection by unmanned aerial vehicles, data analysis, and information extraction of most of the sample sites, with 354G images collected, 40235 aerial photos taken, 28 sample sites investigated, and 84 sample plots surveyed in total. This project has collected and dried the assimilating shoots of Suosuo at different planting ages and will detect their carbon stable nuclide and analyze their water utilization sources and efficiency; it has collected the soil samples of 5 Suosuo forests at different planting ages and 1 control sites as well; moreover, it has collected sand and dust data for 10 times, totaling 743 copies. We will then carry out additional data collection and analysis on the above information and produce a report.



Manual Measurement of the Crown Diameter of Suosuo

Digital System Construction

In order to digitize the process management and increase the transparency and visibility of such a public welfare project, it is an important step to develop a digital system characterized by fault tolerance, flexibility, security, ease of use, reliability, and scalability for the management and display of the “100 Million Suosuo” project. At present, the system development and data transmission for computers and mini programs have been completed and put into use.



Data Collection for Basic Ecological Elements

Basic Ecological Research on Ulan Buh Ecological Education Demonstration Base

In 2022, the Base constructed a 3-kilometer experimental demonstration belt for rapid fixation. It blocked sand dunes, preventing and controlling desert expansion zones along the Yellow River. It also set up a 40-hectare technical experimental demonstration zone for beach desertification control, saline soil control, and structural optimization of protection systems on the basis of the existing construction and control programs of the Base. Meanwhile, a wholly automatic weather station, three sand collectors and five groundwater level observation wells were established. Two background investigations in the experimental zone and three-time wind erosion data collection was conducted.

Scientific Research Monitoring Platform of the Desertification Control Demonstration Base for Public Welfare

In 2022, the platform collected the data for sand concentration in different air layers from the sand and dust level flux meter and for water level from dynamic water level monitoring locations 12 times, 100 copies in total. It entrusted the Alxa Meteorological Bureau to maintain the standard meteorological stations within the Base throughout the year and submitted two maintenance reports.

Natural Education for Desertification Prevention and Control

Course Design and Practice

This year, it has organized various nature educational activities and students’ summer-vacation social practice and received 42 visits and exchanges from donors and research institutes, reaching a total of 1,520 participants. Among them, the serial natural science popularization carnival activities on the theme of “The Truth, Goodness, and Beauty of Deserts” on the 28th “World Day of Desertification and Drought Prevention and Control” were dedicated to popularizing the sciences of desertification to the public and guide them to actively participate in desertification prevention and control actions through desert image exhibitions, natural markets, desert plants DIY activities, and natural science education classes.



Natural Science Popularization of Desertification Prevention and Control

Field Construction and Upgrading

In July 2022, the SEE Desertification Control Demonstration Base for Public Welfare was awarded by Alxa Working Committee of the Young Pioneers of China as one of the first-group “Off-school Practical Education Bases for Young Pioneers” of Alxa.



Awarding Ceremony

Industrial Resource Network Construction

Through building a natural education sharing platform for desertification prevention and control, the project maintained good collaboration with multiple parties, initially hosted and supported two forums or meetings related to natural education, organized one session of the serial themed training for volunteers and guides and two sessions of the volunteer services in activities. There were over 20 participants.

On these occasions above, the natural education for desertification prevention and control has appeared publicly and made its voice heard through diverse channels in the field of natural education and attracted more attention and support from peers and the society.



Desertification Prevention and Control Project Subforum of National Natural Education Forum

Project Expansion

Ulan Buh Ecological Education Demonstration Base

The Ulan Buh Ecological Education Demonstration Base (the Base) is geographically located on the west bank of the Yellow River and the eastern edge of the Ulan Buh Desert. It is functionally targeted at the research on severe desertification control, ecological monitoring and evaluation, and environmental education. The Base has established a benefit-sharing and joint-contribution platform for different objects such as the government, the public, enterprises, and scientific research units. It fully demonstrated the paradigmatic model and leading role of social forces represented by the SEE Foundation as a demonstration window of implementing or supporting ecological undertakings for public welfare.



Vegetation Data Collection

97.27 ha.

Sand barrier paved

133 k

Cave sandy plants planted

93.33 ha.

Road drip irrigation pipeline laid

216 m²

Warehousing facilities constructed

9 sets

Photovoltaic solar panels and storage facilities constructed

1

Survey on basic ecological elements and orthophoto shooting

Online Coordination

Ant Forest Online Charity

As the first partner of “Ant Forest” for public welfare, it has collaborated with “Ant Forest” in planting 31.35 million Suosuo and scoparium plants in key eco-regions of Alxa by the end of 2022, among which 2.25 million plants were newly added in 2022.

31.35 million

Plants planted as a result of cooperation with Ant Forest

2.25 million

Plants newly added in 2022

Live streaming of celebrities and influencers has attracted extensive public attention

In 2022, the spring planting activity of the “100 Million Suosuo” project took place by means of online slow live streaming simultaneously on four streaming platforms, namely TikTok, Bilibili, WeChat Channel, and Weibo and attracted tens of thousands of online viewers. On June 17, the live streaming on the theme of desertification prevention and control science popularization on the TikTok platform realized nearly 10-million-person online interactions.

It has organized the online and offline fundraising activities such as Taobao’s “September 5 Public Welfare Week”, TikTok’s “September 5 DOU Love Public Welfare Day” and Tencent’s “September 9 Public Welfare Day” from September 5 to 9, participated in the recording of the public welfare program -- “Unexpected Song Voice Tour” in cooperation with Public Welfare Department of Tencent and had dialogue with the “0713 Re-employed Men’s Group” so as to promote and broadcast the “100 Million Suosuo” project; at the same time, it took an active part in live broadcast activities on various platforms, such as TikTok, Tencent and Alibaba from September 5 to 7, which attracted more than one million online audience.

It has also opened and operated an official account on TikTok and WeChat Channel for the “100 Million Suosuo” project, shot and released 37 promotional videos, and won 29,000 likes in total.

A Story from the Herdsmen



LUO Zuowen

A Herdsman in Alateng Obo Town,
Alxa Right Banner

LUO Zuowen is a herdsman of Alateng Obo Town, Alxa Youqi. Since childhood, he has engaged in herding with his family. However, due to the gradual deterioration of the grassland, he was forced to find another job and make a living away from his home. He had once operated a small shop, opened a restaurant, worked as a driver and transported goods ... In 2009, he learnt that some people were earning their lives by planting Suosuo, which not only helped restore the vegetation of the native grassland, but also brought economic profits to the growers when the plants grew up. In that very year, LUO Zuowen returned to his hometown and tried to plant Suosuo. In fact, planting Suosuo was not an easy task. In the early years of his planting career, he was stricken by frequent sandstorms and the harsh environment. The tents, his temporary dwelling place, were often destroyed by sand wind; in severe cases, he was even buried under the tents by the sand wind, only to lie in wait for rescue. LUO Zuowen recalled that they had never had a meal that was not melted with sand in those years.

However, as one of the first-group herdsman who has transferred to forestry, he has witnessed with his own eyes the changes in the desert since the planting trend - the degraded grasslands began to recover and the local environment continue to be improved in his hometown. Some young people who worked hard in big cities also started to undertake the planting back at home. Despite many difficulties occurring along the way, LUO Zuowen persisted in planting thousands of mu of Suosuo annually. Over the past 14 years, he and other herdsman have accumulatively planted 400,000 to 500,000 mu of Suosuo. "From the very moment when I heard the story of herdsman's planting Suosuo, I know it will be a very good thing. Because I have seen the worsening grassland in my hometown, I believe that planting Suosuo can make it better, and my whole family also supports my idea." LUO Zuowen said that he would continue the planting job in the future because it was the most meaningful thing he had ever done.

Expert Commentary

LU Qi

Director of the Institute of
Desertification Research, Chinese
Academy of Forestry Sciences

Director of Desert Forestry
Experimental Center

Co-chairman of the Alliance of
China Desert-Grassland Eco-system
Observation and Research Field
Stations

The "100 Million Suosuo" project has grown more than 78 million Suosuo plants with a total forestry area of 110666.67 hectares in the key eco-regions of Alxa over the past nine years. It accomplished a great feat of the extensive participation of numerous renowned entrepreneurs and all social circles in the ecological protection undertakings for public welfare!

Nine years of wind and rain, nine years of youth.

SEE Foundation has explored a green development path through its whole-hearted devotion to on-site practice in that desolate land, which is oriented to promoting the scientific greening, enriching the local people and strengthening the Alxa League, demonstrated a typical case of implementing the concept of "clear waters and green mountains are valuable assets", and made great contributions to building a green ecological barrier in the north!

Successful ecological restoration and sustainability require not only initial efforts in planting and restoration but also ongoing and effective management and maintenance. Besides encouraging local farmers and herdsman to cherish, protect and preserve the Suosuo forest, it is even more important to avail technological power to gradually enhance the scale and depth of the Suosuo-planting economy and make it inexhaustible and sustainable.

2023 is the closing year of the Project, we hope it can exceed our expectations and achieve a perfect conclusion. There is a long journey we are taking and unfolding progress we shall make. It is worthwhile paying great attention to the launch and implementation of the SEE Foundation's projects in the next phase, which shall contribute more to China's ecological governance.

Groundwater Conservation

"The Groundwater Conservation Project aims to reduce groundwater extraction in agricultural activities by promoting water-saving crops and technologies. It also collaborates with local government departments to implement relevant water conservation policies and maintain a balanced groundwater replenishment in agricultural areas of Alxa oasis.

Since 2009, SEE Foundation has been working to promote the cultivation of millet as a crop that can make dual contributions to local ecology and economy. As of the end of 2022, water-saving millet plantation reached a cumulative total of 2,230.75 hectares, with 756 rural households participating. After achieving a basic balance between groundwater extraction and replenishment in 2022, the Yaoba area in Alxa has adjusted the local water allocation quota for crops to 360 cubic meters per mu, but the actual water consumption by millet is only 285 cubic meters, producing a significant water-saving effect.

Project Achievements in 2022

With rural households as the mainstay, the Water-Saving Millet Plantation Project has been implemented in the Alxa region engages in millet production in accordance with standardized plantation and management processes. By leveraging Beijing You Will SEE Eco-Agri Co., Ltd., a social enterprise initiated by SEE Conservation for product marketing, the project has formed a model of tripartite cooperation between SEE Foundation, You Will SEE and rural households.

98.13 ha.

Plantation area

381.2 t

Total yield

10

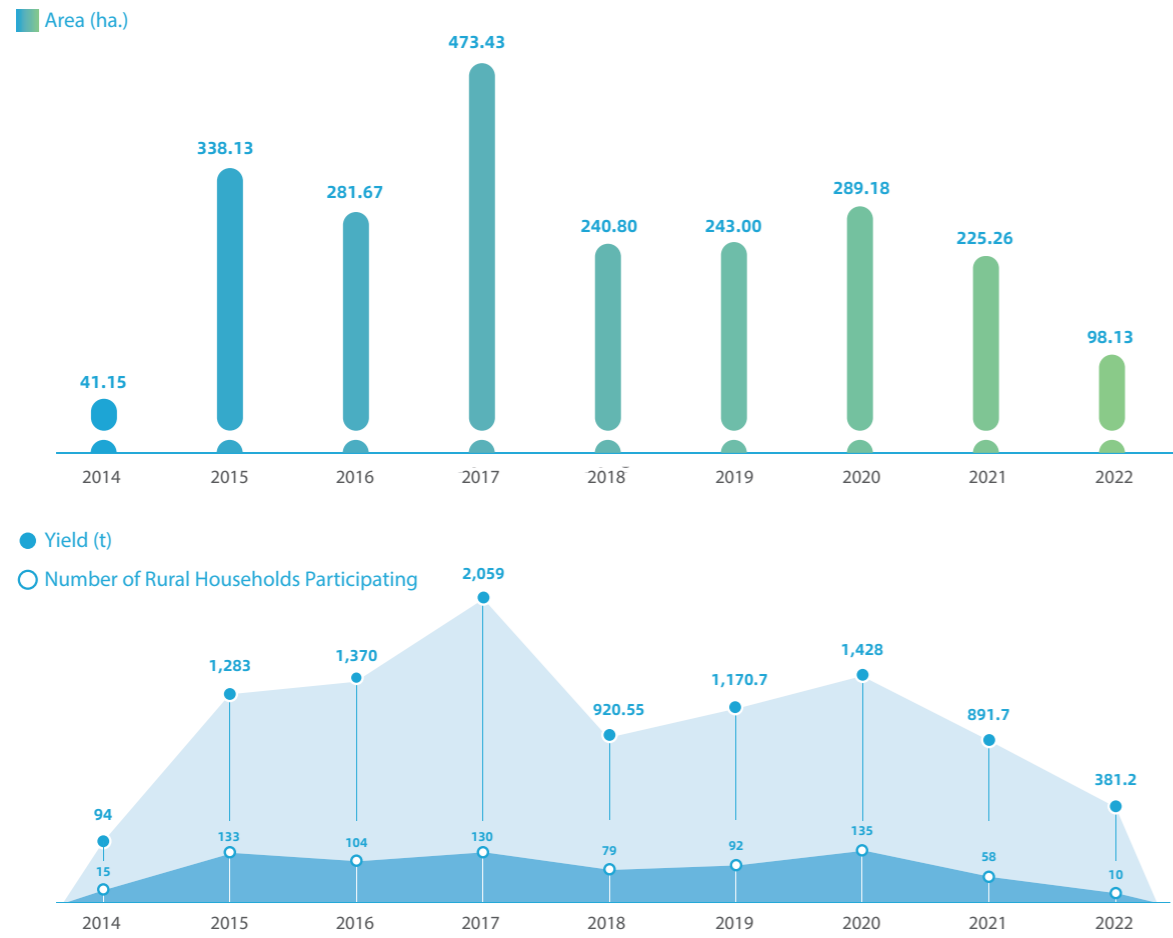
Rural households
participating

4

Gachas/villages



Achievements of Previous Projects(2014-2022)



Annual Progress Report

Public Participation

Working with the public is the driving force behind the Groundwater Conservation Project. With the theme of "2022 Ren Xiaomi Online Harvest", the autumn harvest event adopted live streaming to promote millet products and guide the public to participate in environmental protection, pay attention to desertification prevention and control, and understand the significance of groundwater conservation. The event attracted over 1,000 viewers online.



Autumn Harvest Live Streaming

Peripheral Products

With desert water-saving millet as the main production material, the project has developed various millet-related products, including millet flour, millet vinegar, millet noodles, millet beer, millet Zongzi, millet moon cake, etc. In light of the unique processes and preservation properties of each product, the taste of them is balanced to maximize the naturalness of every product.



Instant Millet Porridge



Millet Noodles



Crispy Millet Slices



Millet Vinegar

Farmers' Stories



WU Yifei

Farmer in Barunberi Town, Alxa Zuoqi Left Banner

WU Yifei, an indigenous farmer belonging to the 1980s generation in Yaoba, stands out as one of the younger cultivators within his community. In the past, he had no awareness of water conservation while growing corn. It was quite common for him to use over 800 cubic meters of water per mu. However, since 2016, he began to participate in the cultivation of water-saving millet. Over the 6 years, he has planted a cumulative total of approximately 10 hectares of millet, and the idea of "water-saving" farming has long taken root in his mind. Water-saving millet was born out of the "water-saving" need, and project staff have also often emphasized that "water-saving" is both a project indicator and a project goal. In 2022, WU Yifei planted 1.1 hectares of water-saving millet, with an average water consumption of less than 300 cubic meters per mu. He not only saved water himself, but also sold the saved water to those farmers who were in more urgent need of water via the government's water resource trading platform. It is something unimaginable before that he could save water in crop planting and turned the saved water into cash. Young farmers like WU Yifei are more receptive to new ideas, and they are bound to lead the way in transforming traditional farming practices within their village.

Commentary on Project



NIE Shengyuan

Secretary of the Menggentala Gacha Party Branch and Director of the Village Committee in Barunbuili Town

SEE Foundation has long been conducting various water-saving agricultural experiments and planting water-saving crops in the Yaoba area. They introduced advanced water-saving technologies from at home and abroad to change the traditional irrigation practice at that time, and put forward the advanced environmentally friendly idea of balanced groundwater extraction and replenishment. Through years of relentless efforts, they have changed the local agricultural irrigation situation. Thanks to their 10 years of hard work, drip irrigation is now widely used in agricultural production in Yaoba, which has substantially saved the extraction of groundwater and promoted the smooth implementation of local government policies on water conservation. Years of promotion and cultivation of water-saving millet have made local farmers realize that the future of local agricultural sustainability lies in the coexistence of water-saving crops and traditional crops. Going forward, we will continue to work with SEE Foundation and consolidate our water-saving achievements in the Yaoba area, and protect our homeland together.

C4

CHAPTER

Climate Change and Business Sustainability

- Blue Defenders 025
- Green Supply Chains 030
- Waste Management 034

| UN Sustainable Development Goals



Blue Defenders

Initiated by SEE Foundation in cooperation with multiple parties in 2012, this project, listed under the category of environmental protection projects of pollution prevention and control, seeks to promote the disclosure of pollution information, public supervision of pollution sources, pollution abatement and sustainable development of enterprises, and contribute to the resolution of environmental pollution issues in water, air and soil field.

Project Outcomes in 2022

475 million yuan
Annual accumulative financial support

1.385 million yuan
Funds mobilized from project centers

30
Pollution prevention and control projects implemented nationwide

7
Project centers holding annual joint project review meetings

| Three Thematic Actions

In collaboration with Clean Air Asia, Blue Defenders implemented the Blue Gull Partnership Project IV, supporting a total of 5 partners to take focused action on port air pollution problems.

With the support of the Energy Foundation, Blue Defenders undertook an action of comprehensive governance on dispersing coal, supporting a total of 4 partners to conduct research and take actions on bulk coal dispersed coal across civil, and industrial sectors.

Working with China National Coatings Industry Association, Blue Defenders kicked off a green action in the paint industry, supporting 2 partners to conduct research on lead content in the paint industry and carry out multi-scenario tests.



Project Outcomes Over the Years (2012-2022)

*Data as of December 2022

21

Provinces covered nationwide

62

National front-line environmental protection organizations supported

80+ million yuan

Total funding

4+ million

Participants

54

Proposals submitted to the NPC (the National People's Congress) and CPPCC (Chinese People's Political Consultative Conference) for 10 consecutive years

12.75 million

Enterprises nationwide covered by the environmental database

6.05+ billion

Enterprise data entries

8,346

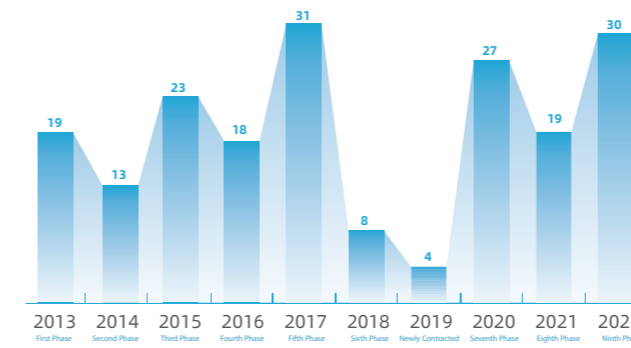
Enterprise pollution sites were rectified

Distribution Map of Blue Defenders Partners

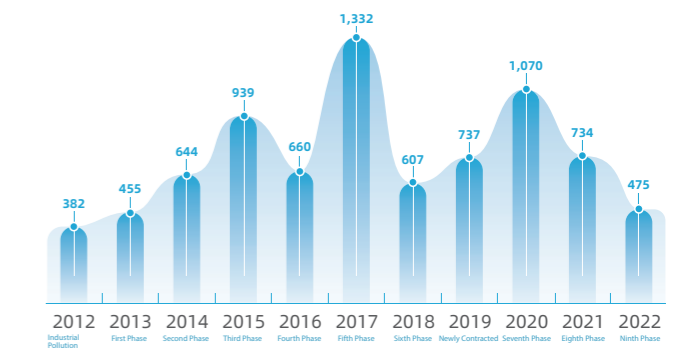


The distribution map above covers 62 partners of the SEE Blue Defenders Project and all partners of the "Clear River in Neighborhood" Project

Number of Projects



Granting Amount (10,000 yuan)



Note: The Data of 2019 and beyond include the granting amount from SEE project centers, the total funding for 2022 included the funding for thematic actions.

Annual Progress

Action Directions

Action 1: Promptly Addressing Pollution Issues and Ensuring the Inclusion of Pollution and Risk Sites in Management Control

In 2022, Blue Defenders supported project partners to conduct on-the-spot research on 1,020 pollution sites. In all, 795 pollution problems were found. The pollution risk sites included: drinking water sources, black and odorous water bodies, waste landfill sites, tailings ponds, mining sites, enterprise sewage discharge outlets, and exhaust gas discharge outlets. The action involved 398 villages, covering 13 provinces. It promoted the rectification of 533 pollution sites through feedback to the competent department, data monitoring, follow-up rechecks, and multi-party discussion seminars.

Action 3: Proactively Carrying out Policy Advocacy, and Promoting the Improvement of Environmental Legislation and the Implementation of Regulations

In the topic areas supported by Blue Defenders, including drinking water source, solid waste, air quality, pollutant discharge permit, incineration, hazardous waste, etc., 31 proposals to the NPC (the National People's Congress) and CPPCC (Chinese People's Political Consultative Conference at the municipal) level and above were successfully submitted, 53 policy recommendations were submitted in response to the solicitation of public comments on policies and regulations, 328 observation or research reports were issued, and 18 cases were officially filed to promote environmental public interest litigation.

Action 4: Staging Environmental Science Popularization and Advocacy Activities for the Public, and Forming an Extensive Social Supervision Network

In 2022, Blue Defenders staged 116 online and offline public advocacy activities, covering a total of over 1.35 million people. The number of volunteers participating in activities exceeded 600,000 during the year.

Action 2: Promoting Corporate Information Disclosure and Compliance Supervision, and Encouraging Enterprises to Improve Environmental Performance and Make Green Supply Chain Transformation

Blue Defenders supported project partners in mailing letters or making suggestions and demands to the government 1,197 times and to enterprises 1,139 times, promoting the government and enterprises to actively disclose 477 and 91 pieces of information respectively. The environmental public welfare database covered over 5 million enterprises, including 14 types of data in 4 major categories, involving environmental impact assessment, pollution source, environmental quality, ecology and other domains. Blue Defenders also promoted enterprises to proactively disclose 2.5 billion pieces of information, and the administrative penalty data volume totaled over 1.9 million, thus effectively boosting enterprises' environmental compliance.



Green Jianghuai investigation into water pollution in the river outside of an enterprise in Fuyang

Thematic Action Updates

Initiating Green Action in the Paints Industry

In August 2022, SEE Foundation and China National Coatings Industry Association jointly launched the Green Action in the Paints Industry. By promoting the establishment of an action platform involving brand merchants, supply chain enterprises, public welfare organizations and other parties, the action is committed to boosting environmental protection and production safety in the coatingspaint industry. In 2022, the project focused on the issue of lead removal from coatingspaint, and carried out research and advocacy work, laying the foundation for sustained action. It also promoted the gradual phasing out of the production and sales of lead-containing coatingspaint to reduce health and economic losses caused by lead exposure.

Releasing Action Results with Partners

Shenzhen Zero Waste Environmental Protection Public Welfare Development Center and Changsha Shu Guang Huan Bao Public Welfare Development Center, both partners of Blue Defenders, produced a basic research report on the situation of lead content in the paints industry based on their testing and research analyses of boating products from 30 paint manufacturers and 85 paint samples from 20 application scenarios. They also successfully held the "China Green Action in the Paint Industry – Lead-containing Paints Research Results Release Conference", which was broadcast on IFENG.COM and Sina platforms, attracting a total of 190,000 viewers. At the same time, a series of popular science articles and popular science videos were released during the action, which attracted wide public attention on Weibo, TikTok and Bilibili.



Researchers conduct on-site testing @ SHU GUANG HUAN BAO



CoatingsPaint Industry Green Action Project Report released

Project Outcomes from Project Centers

North China Project Center

Continuously Promoting Industrial Pollution Prevention and Control

The North China Project Center continued to push forward the prevention and control of industrial pollution through Blue Defenders, with a total investment of 870,000 yuan during the year, supporting 11 projects, identifying 340 specific pollution problems, and promoting 275 rectification. It organized 59 online and offline training courses and activities, with a total of 17,138 participants; and produced 27 research reports and promoted the public disclosure of 38 pieces of information.



Drinking Water Source Protection Area Monitoring

Partner Case

In 2022, Blue Defender's partner Green Action in Hebei completed a survey of 66 steel companies in Eighth Phase of the project, and reported 93 problems with 22 companies which made obvious fugitive emissions, and a cumulative total of 82 rectifications were completed. It reported 18 problems with 10 enterprises with severe organized emissions, and completed a total of 12 rectifications. It analyzed and made feedback to 2 enterprises with clean transport problems, and promoted 1 enterprise to rectify access control problems. It produced the Observation Report on Progress in Implementing Ultra-Low Emission Transformation in the Steel Industry in Hebei Province. Based on a survey of 17 iron and steel enterprises in Handan which faced the shutdown and elimination of production capacities, it found such problems as "inadequate shutdown implementation", "lack of information transparency", and "missing responsible bodies for policy implementation", and produced the *Observation Report on Progress in the Implementation of Policy Requirements to Reduce Production Capacity in Handan's Iron and Steel Industry in 2021*. In the early work of the Ninth Phase of the project, it surveyed 37 enterprises, found 54 ultra-low emission problems and 3 capacity replacement problems, and produced 8 problem reports. It has made feedback to the ecology and environment departments, as well as to the enterprises involved in Handan, Tangshan, Xinji and other places, promoting 25 rectifications. It has received 3 feedback documents from enterprises on production capacity exit, and promoted the timely exit and dismantling of 4.497 million tons of iron making capacity and 4.39 million tons of steel making capacity.



Frontline Survey and Research of Projects © Green Action in Hebei

Remarks from Partners



MAO Da

President of Shenzhen Zero Waste

With a broad vision, Blue Defenders pays attention not only to the environmental pollution caused by industries at the front end, but also to the health hazards faced by consumers at the back end. By covering the entire chain, it has produced synergistic effects. As the country places growing emphasis on the control of new pollutants, environmental organizations should also step up their efforts and pay close attention to these hidden areas that persistently pose environmental and personal hazards. Focusing on the chemical safety of consumer goods, which are at the back end, Shenzhen Zero Waste hopes to influence more enterprises and industries to pay attention to and improve the status of toxic chemicals in consumer goods by promoting e-commerce platforms to establish corresponding chemical safety policies, thus protecting consumers' health rights.

Expert Commentary



QI Xiangzhao

Deputy Secretary-General of China National Coatings Industry Association

In 2022, China National Coatings Industry Association and SEE Foundation jointly launched the Green Action to Eliminate Lead in the CoatingsPaint Industry, which is committed to promoting environmental protection and safe production in the coatings industry. In 2022, the project focused on the topic of lead removal from coatingspaint, and undertook research, advocacy and other work, laying a solid foundation for sustained action. The two sides also pushed forward the gradual phasing out of the production and sales of lead-containing paints, so as to reduce health and economic losses caused by lead exposure. With a common goal, the two sides have formed deep friendship. In the project, we have progressed together and worked together to advance the lead removal action in the paints industry in our project. In the new year, we hope to cooperate more widely and deeply, work together to expand the market and promote the healthy and high-quality development of the industry. That will be our common achievement.

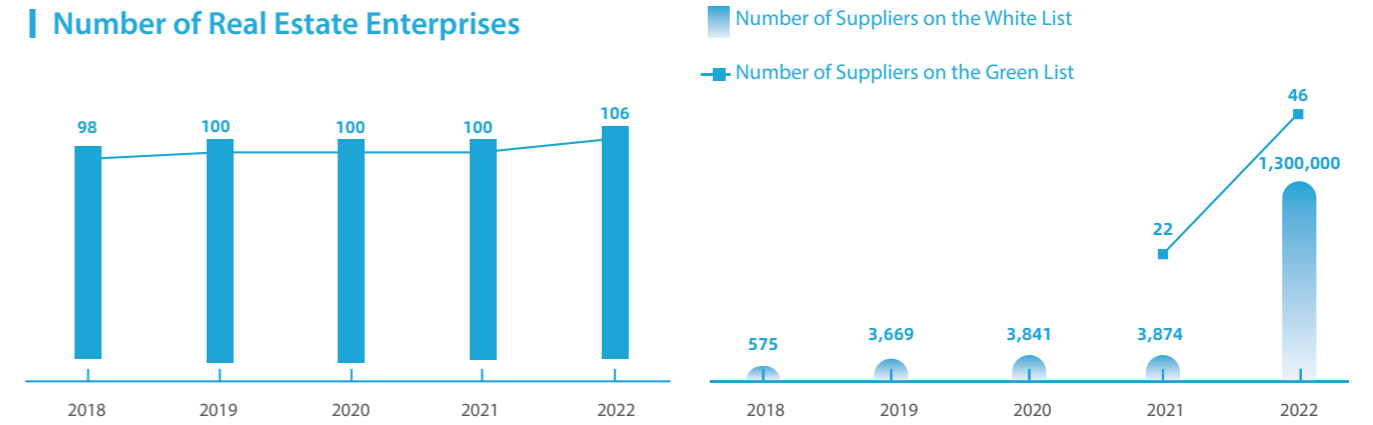
Green Supply Chains

On June 5, 2016, SEE together with CURA, CRECC, Landsea and Vanke, started the Green Supply Chain Action of China's Real Estate Industry ("GSC Action"), which is committed to advancing the environmental performance of suppliers in steel, cement, aluminum alloy, wood and other industries through green procurement, accelerating sustainable development.

2022 marks the sixth anniversary of the launch of the GSC Action. GSC Action continuously updates and improves the "White List" and the "Green List", invites experts to guide the upgrading of the assessment standards, empowers suppliers to improve their environmental management and green and low-carbon transformation, collaborates with various parties to provide training and support for real estate practitioners to facilitate green procurement in the industry, releases research reports, and proactively promotes its practices on domestic and international platforms to expand its influence.

Project Achievements Over the Years (2016-2022)

Number of Real Estate Enterprises



(Note: Built in 2022, the "Environmental Compliance White List" online database automatically and dynamically screens and records suppliers that meet the evaluation standards.)

Number of Green Procurement Categories



Categories established:
Environmental compliance, chromium-free passivation of aluminum alloys, formaldehyde control over indoor decorative artificial plates and their products, and legalization of wood sources

Newly added categories:
Insulation materials, water-based coatings, and stone materials

Newly added categories:
Energy-saving of doors and windows, healthy and environmentally friendly LED light sources, chromium-free passivated light steel keels

Newly added categories:
Rock wool, air-source heat pumps, stone wood-plastic (SPC crystal) wall and floor materials

Project Achievements in 2022

106

Real estate companies

13

Green procurement categories

42

Suppliers joined the procurement "White List"

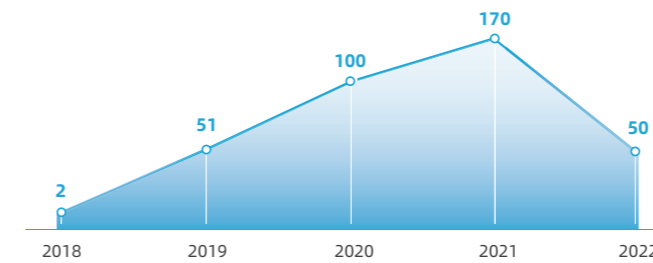
24

Suppliers joined the procurement "Green List"

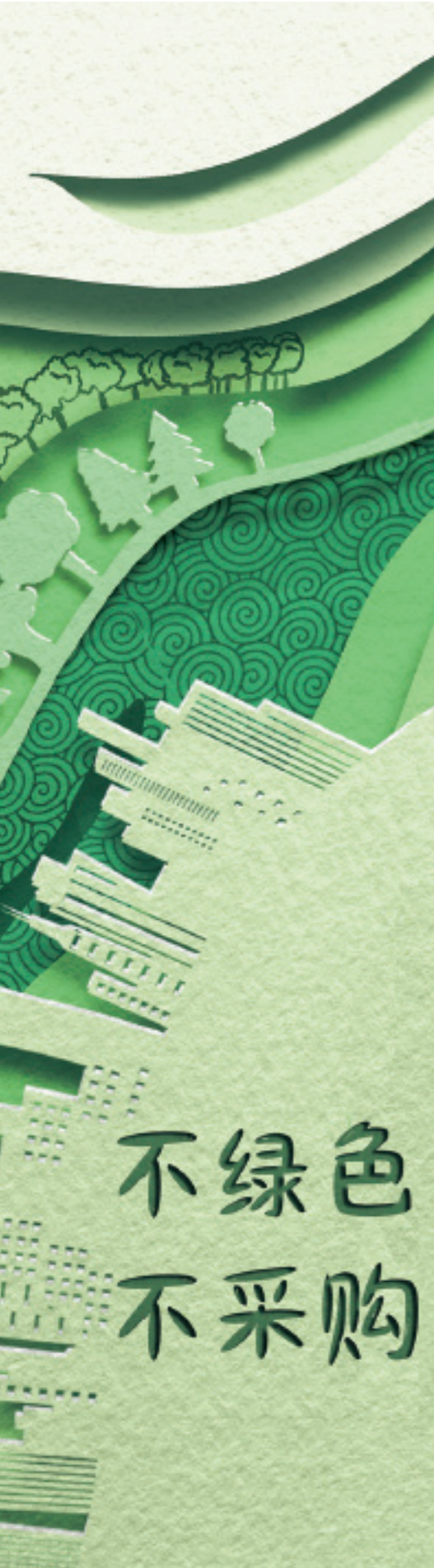
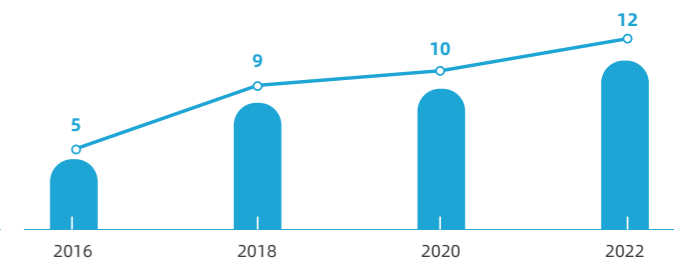
5 billion yuan

Green procurement amount promoted in cooperation with CURA Joint Purchasing

Green Procurement Amount (100 million yuan)



Number of Committe Member Units



Annual Progress

Update and Improvement of "White List" Procurement Categories

In 2022, the project admitted a total of 42 suppliers consisting of 6 procurement categories including coatings, doors and windows, LED, artificial boards, stone, and aluminum alloys into the "white list". Undertaken the development of 6 new procurement categories: sealants, ceramics, gypsum boards, modified asphalt waterproofing membranes, pre-mixed mortar, and insulating glass. Updated the environmental compliance evaluation standard, and built the Environmental Compliance White List online database. As of the end of 2022, the platform included over 1.3 million suppliers.



Environmental Compliance White List Dynamic Screening and Update Database

"Green List" Procurement Categories Update and Empowerment

In 2022, admitted a total of 24 suppliers consist of procurement categories including stone materials, air-source heat pumps, green insulating materials, green aluminum alloys, coatings, rock wool into the "Green List": Undertaken the development of 10 new product categories: sealants, ceramics, gypsum boards, modified asphalt waterproof membranes, pre-mixed mortar, insulating glass, doors and windows, LED, wood, and stone wood-plastic wall and floor materials. Published 10 "Green List" suppliers empowerment casestudies, and improved the online platform for "Green List" application and database, enhancing the efficiency of application and approval processes and easing the access of "Green List" suppliers database by real estate enterprises.

Green Procurement Promotion

SEE Foundation continues to collaborate with CURA Joint Purchasing, and implemented the GSC Action recommended procurement lists in the 12th batch of joint procurement. The joint procurement selected 136 suppliers and achieved a green procurement amount of 5 billion yuan. All shortlisted suppliers met the environmental compliance requirements, and of suppliers under the green procurement categories, 100% of the them suppliers were on the white list and 80% were on the green list.

Green Supply Chain Training

The project held 4 online training sessions with over 120 attendance, and presented the evaluation standards and mechanisms of the "white list" and the "green list" to real estate enterprises and suppliers, as well as the transformation of enterprises under the "dual carbon" policy.

Elite Habitat Green Supply Chain Enterprise Award

SEE Foundation continues to collaborate with CRECC to organize the Elite Habitat Green Supply Chain Enterprise Award, recognizing outstanding real estate enterprises for promoting green supply chain practices during the year. In 2022, 4 enterprises were awarded, including Landsea, Shanghai DFL, Gansu Lingpai, and Shenzhen Lingchao (in random order).



Elite Habitat Green Supply Chain Enterprise Awarding Ceremony

Annual Achievements Announcements

SEE Foundation held the "Pursuing Green Innovation, Winning Future Together - Green Supply Chain Action of China's Real Estate Industry Annual Achievements Briefing Event 2022", inviting GSC Action's partners to present its latest progress and achievements and release the 2022 Real Estate Enterprise Green Supply Chain CITI Index TOP10 Ranking. The event also invited enterprises to discuss the influence of the GSC Action on the environment and carbon reduction in the construction industry.



Green Supply Chain Action of China's Real Estate Industry Annual Achievements Briefing Event 2022

Zero Carbon Mission International Climate Summit 2022

SEE Foundation organized the Zero Carbon Mission International Climate Summit 2022 and live streaming in collaboration with Phoenix TV, WWF and other organizations. During the Summit, it held 2 sub-forums, "Green Development from Building Materials to Real Property" and "Multi-party Participation in Addressing Climate Change and Achieving the Dual Carbon Goals" with C Team. The forum invited industry associations, academic and research institutions, financial institutions, and property management enterprises to discuss low-carbon transformation and how to address climate change. The Summit live streaming received 3.83 million viewings.



Zero Carbon Mission International Climate Summit 2022

Thematic Report Publication

SEE Foundation published the report Collaborative Control to Reduce Pollution and Carbon Reduction - Contributions of the Chinese Experience to the World, which analyzes the necessity of collaborative control for pollution reduction and carbon mitigation in China. It also introduces specific engineering technologies for collaborative control in construction, cement, steel and other industries, and charts the minimum-cost pathway of pollution reduction and carbon mitigation for the industries. SEE Foundation also conducted a study on the carbon reduction of enterprises on the GSC Action "green list", and published a report to measure the impacts of the "green list", and proposed carbon reduction pathways and energy conservation and emission reduction implementation plans to building material manufacturers.



1 Collaborative Control to Reduce Pollution and Carbon Reduction - Contributions of the Chinese Experience to the World

2 Study on the Carbon Reduction Performance of Enterprises on the Green List

Remarks from Partners

XIONG Xiaoli
Director of CURA Joint Purchasing Liaison Office

CURA Joint Purchasing has joined hands with the Green Supply Chain Action for 6 years, proactively practicing the principle of "No Green, No Procurement". Despite the pressures of the pandemic and an economic downturn, we have continuously pushed for the improvement of environmental performance of our upstream suppliers to realize the green upgrading of the industrial chain.

Expert Commentary



YAN Luhui
Founder & CEO of Carbonstop

The "carbon peaking and carbon neutrality" era poses new challenges for the development of the building materials industry and at the same time brings about new opportunities for industrial upgrading and green innovation. By establishing and continuously improving a green list-based evaluation system, the Green Supply Chain Action of China's Real Estate Industry initiated by SEE Foundation empowers the transformation of outstanding building materials suppliers, and opens up a sustainability pathway for the real estate sector to proactively address climate change and mitigate the ecological and environmental impacts from their development. Our estimates show that green list suppliers can reduce carbon emissions by millions of tons annually. Their outstanding management mechanisms and significant emission reduction results provide actionable, replicable and promotable case studies for supply chain emission reduction management in other industries. The green list also explore new paths, open up new journeys, and contribute new forces to achieving China's "dual carbon" goals.

Waste Management

The Waste Management Project is committed to exploring ways of public participation in tackling waste issues. Take the lead in sorting out and dealing with the management of waste categories with high thresholds and difficulties, such as electronic waste. It also funds the growth and development of partners in the waste treatment domain, the project joins hands with public welfare forces in China to create a sustainable living atmosphere of zero waste. The project has taken a series of actions, including research on electronic waste for mobile phone recycling, support partners to explore how to reduce and manage waste, and development of science popularization courses on zero waste.

Project Achievements in 2022



Social consensus and action to promote electronic waste projects for mobile phone recycling and disposal



Pilot waste reduction and carbon neutrality projects for office work and large-scale conferences



Waste sorting projects for community waste reduction



Marine waste action to advocate plastic reduction and zero waste lifestyles for young people

Annual Progress

Issue Exploration: Mobile Phone Recycling and Disposal

SEE Foundation has officially released the *Public Action Manual for the Recycling and Utilization of Discarded Mobile Phones*, receiving approval and recognition from the National Development and Reform Commission, the Ministry of Industry and Information Technology, and other relevant departments. At the press conference themed "New 'Mobile Phone' Opportunities for the Future", experts shared the latest perspectives and insights on the recycling and disposal of discarded mobile phones. In order to motivate more enterprises to continuously raise the level of safe recycling, comprehensive utilization and environmentally friendly disposal of discarded mobile phones, 21 enterprises have joined the initiative and made their commitments.

To share the exploratory results of mobile phone recycling, SEE Foundation produced comics on the production, recycling and disposal of mobile phones, and successfully published 3 popular science comics entitled "My Life", "What About Those Discarded Mobile Phones Now?", and "Revealing Those Things About Mobile Phones and Me". At the same time, practical tips on how to participate in recycling were shared and disseminated to the public.



Scan the QR code to view the full report



Public Action Manual for the Recycling and Utilization of Discarded Mobile Phones



Science popularization comics on mobile phone recycling and utilization

Citizen Action: Exploration of Waste Sorting

Following recruitment preparation work at the beginning of the year, SEE Foundation supported partners to carry out partner empowerment and waste sorting actions in Xinyu and Shangrao of Jiangxi Province, Yichang of Hubei Province, and Chengdu of Sichuan Province during the year. Currently, the project has been implemented in 8 communities, 1 school and 12 villages.



Students Engaging in Composting Practice

Office Waste Reduction and Carbon Neutrality

Since zero waste office was launched by the Beijing Office of the SEE Secretariat at the end of 2019, the project has consistently endeavored to reduce waste generation, and made categorical recycling according to refined classification standards. In addition, carbon emissions from office work in 2021 were accounted and neutralized, realizing office carbon neutrality through the zero waste office action.



Carbon Neutrality Certificate

Zero Waste in Large Conferences

The project explored zero waste office at the First SEE Foundation Public Welfare Development Forum held on October 27, 2022. From venue construction and material preparation to waste sorting scheme design, facility layout and training guidance, the idea of waste reduction was integrated into all the conference links, and attending guests were encouraged to minimize waste generation.



Classified trash cans at the conference venue

Public Science Popularization: Zero Waste Classroom for Marine Conservation

During the year, the project invited families with children to experience the courses and took the courses for on-campus promotion. It hoped to work together with teenagers to start a zero-waste life and drive waste out of the ocean by combining indoor courses with outdoor practices. Through their drawings, the children called for Marine Conservation and explored how to deal with marine waste from different angles. After class, the children went to the beaches and cleared up coastal waste together. In order to give the general public the opportunity to participate, the project also held online book clubs, movie watching and guest sharing sessions, calling on more people to pay attention to marine waste clearing.



Young volunteers in the beach cleaning activity

Policy Advocacy: Submitting Waste-related Proposals to the Annual "Two Sessions"

Based on their long-term actions at the front line, project partners summarized the currently thorny plastic pollution problems and submitted the to the Fifth Session of the 13th CPPCC National Committee via WAN Jie, a member of SEE Conservation. The proposal received the attention and coverage of multiple media outlets, promoting policy and legislative support for the reduction of disposable plastics.



Media coverage on the Proposal of the "Two Sessions"

Cross-border Live Streaming: Environmental Protection Concert

At the cross-border environmental camping concert held on August 6, SEE Foundation discussed knowledge and skills about waste sorting and low-carbon life with musicians and artists, in an effort to cross the boundaries and combine environmental protection with music. The concert attracted more than 10 million viewers online. In addition, centering around the Weibo topic of "Where Have All the Discarded Mobile Phones Gone?", KOL live streaming received 42 million views on the day, which ranked among the Top 30 trending topics nationwide. It successfully brought the topic of recycling and disposal of discarded mobile phones to more people.



Topic Interaction on "Where Have All the Discarded Mobile Phones Gone?" on Weibo

Merch Productions: Advocating Marine Protection Through Zero Waste Planet Badges

Based on the Zero-Waste Classroom Marine Protection Project, this project combined course contents and outdoor activities to design and produce a series of Zero Waste Planet badges, and incorporated the idea of waste reduction into the early design work to reduce overpackaging and disposable waste, and push the concept of zero waste further along with the badge images.



Zero Waste Planet Serial Badges

Project Achievement of Project Centers

East China Project Center

Floating Waste Cleaning in the Sea

During the year, the Chongming Dongtan Clean Wetland Project at the East China Project Center organized 1,077 volunteers from more than 30 organizations to clear up plastic waste floating on the mudflat in Dongtan on Chongming Island in Shanghai. In all, 5.6 tons of waste was cleared up and was then treated and recycled at the back stage. The project was included in the United Nations Development Programme's thematic case on "China's Experience in Wetland and Waterfowl Conservation".



Clean Wetland Activity at Dongtan on Chongming Island

North China Project Center

Zero Waste Forum - Focusing on Waste Management

During the year, the North China Project Center sponsored 6 communities in Beijing to carry out pilot waste sorting, raising the waste sorting accuracy to over 70%. Through activities such as zero waste camping, community waste sorting assessment mechanism seminars and other activities, it attracted the participation of 113,000 people. Besides, the center also teamed up with Pickup China, Noaloop and One Foundation to launch the Zero Waste Camping Program and started the Zero Waste Camping Initiative.



Online salon of "Take Away Waste and Reduce the Burden of Nature" camps

Zhejiang Project Center

Exploring Waste Sorting and Treatment in Towns and Villages

The Zhejiang Project Center, Zero Waste Villages and the Fengqiao Town Government of Zhejiang Province jointly launched the Fengqiao Town Rural Waste Governance Project to explore the "Fengqiao Experience" of sustainable waste sorting and treatment. The Kitchen Waste Dry and Wet Sorting Program has now been promoted in Xianjin Village, Ligiao Village and Duhuang New Village of Fengqiao Town, promoting approximately 80% of local rural households to sort dry waste from wet waste at the source, with almost 1,000 households adopting the practice.



Doorstep guidance for rural waste sorting in Fengqiao Town

Tianjin Project Center

Zero Waste Action

On August 20, the Tianjin Project Center and Green Neighbors led young volunteers from Tianjin Galaxy Public Welfare Exchange Center to jointly put "zero waste" into action. At the event site, they sorted and recycled waste to protect the lake and wetland ecological environment, establishing the right environmental values from a young age.



Zero waste activities

Remarks from Partners



WU Xiao
Founder of Novaloop

Since its founding in 2019, Novaloop has been facing the challenges of the pandemic but grown against the odds. We have persistently taken waste management as the starting point for tackling climate change, and expanded our work from large-scale tournaments and conferences to different scenarios such as scenic spots, offices and campuses to carry out zero waste advocacy and carbon management education for the public.

During this period, we also "graduated" from Green Starters and were selected into the Growing Up Together Program. Working hand in hand with SEE Foundation, we have felt less loneliness and become bolder to face future uncertainties.

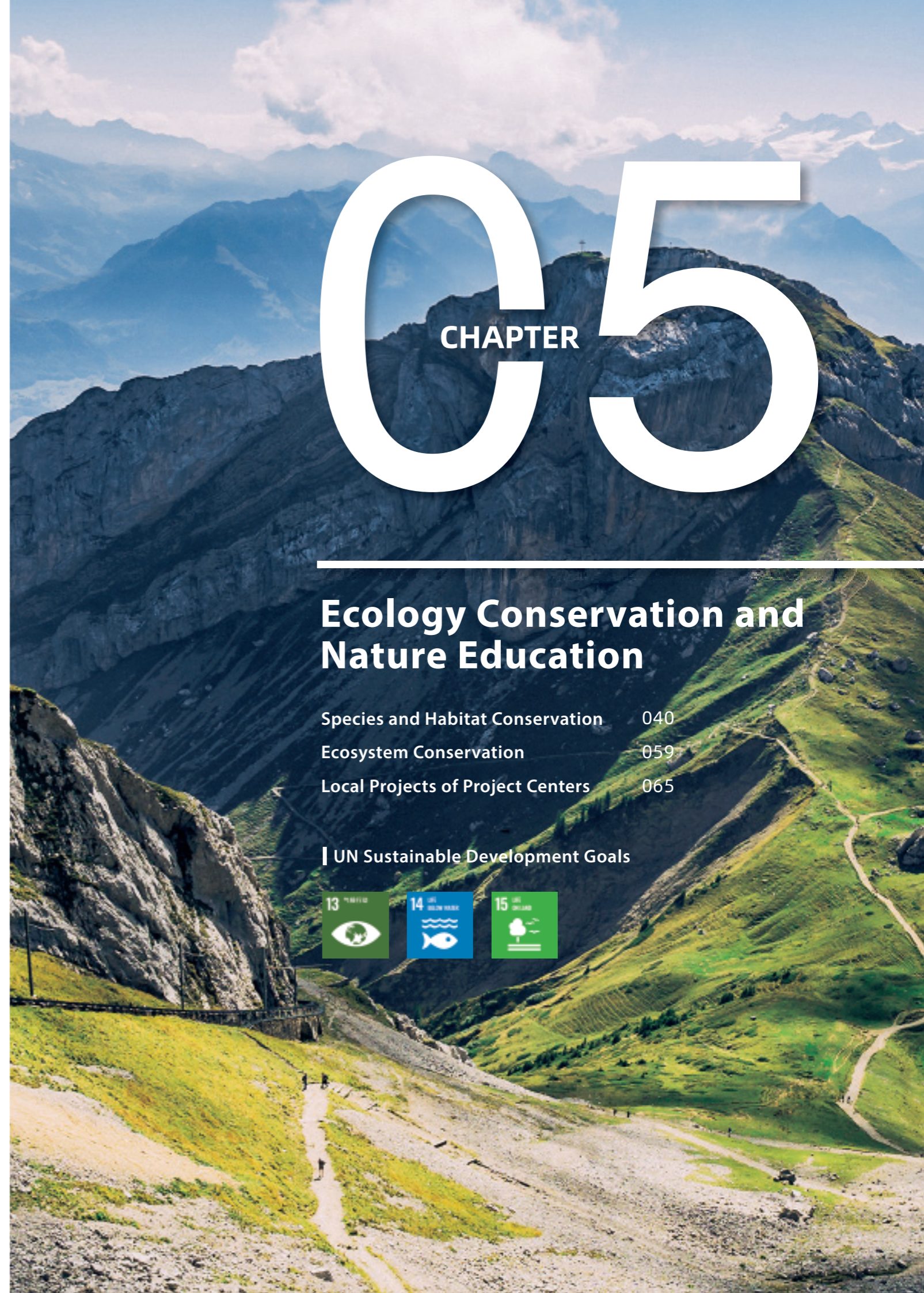
As the pandemic-induced gloom gradually disappears in 2023, Novaloop will continue to work hard on the track of zero waste management for large-scale events. We also look forward to more offline exchanges with our industry partners so as to spark off new ideas.

Expert Commentary



XUE Yanyan
Lecturer, School of Economics and Management, Beijing Information Science & Technology University

In the era of mobile Internet, mobile phones are gaining growing popularity. China has 1.14 mobile phones per capita, which means the annual elimination of 400-500 million mobile phones. However, most discarded mobile phones can neither be effectively recycled through regular second-hand circulation channels, nor properly disposed of, thus leaving an abandoned "urban gold mine" in the drawers. Raising the recycling rate of discarded mobile phones has become a major issue in the drive to promote the circular economy and fulfil the carbon neutrality strategy. In response to this issue, SEE Foundation has made unremitting efforts, conducted in-depth and extensive research and computations, and accumulated considerable first-hand data and on-site experience, which can provide useful support for solving the difficult problem of mobile phone recycling. I believe that SEE Foundation can leverage its unique advantages as a public welfare institution, exert active influence on the public and society, carry out diverse public welfare publicities, and collaborate with stakeholders to further boost the effective recycling of discarded mobile phones.



05 CHAPTER

Ecology Conservation and Nature Education

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| UN Sustainable Development Goals



Species and Habitat Conservation

Free Flying Wings Noah's Ark Save the Smile of the Yangtze River Rare and Endangered Species Conservation

“Free Flying Wings” is an integrated ecological conservation project that primarily conserves migratory birds and their habitats in China. Adopting a model of socialized conservation with the initiation by NGO, investment from enterprises, and participation of the public, the project aims to promote the conservation of Chinese migratory birds and their habitats by undertaking folk conservation network action, bird research and citizen science, policy recommendations and advocacy, and other work.

Project Achievements in 2022

| | | |
|--|---|---|
| 48 Partners funded | 53 Plots in which patrolling, monitoring, publicity and educational work were carried out | 3,800 km² Protected wetland area |
| 1,800+ Bird monitoring and survey activities | 75,684 Bird survey records submitted | |
| 608 Bird species monitored | 635+ Bird and habitat threats recorded | 1,208 Wetland patrol activities |
| 269 Nature education and public participation activities | 74,009 Person-times influenced | |

Project Achievements Over the Years (2017-2022)

| | | | |
|---|--|--|--|
| 81 Public welfare partners supported by the Free Flying Wings folk conservation network | 117 Conservation actions carried out for important bird habitats | 4,000 km² Area of protection gap under our protection | 3 Plots promoted into Ramsar sites |
| 2 Plots in which wetland parks were promoted to be established | 3 Protected areas/communities promoted for establishment | 8 Plots included in the governmental protected area system | 7 Special surveys and studies on endangered bird species |

Map of Land Plots Covered from 2017 to 2022





Sharp-tailed sandpiper (*Calidris acuminata*) © XU Jianneng



Conducting research and survey on endangered birds, and formulating species conservation action plans



Launching the "National Bird Watching Festival" citizen science project to enrich bird data and expand coverage



Offering capacity building training for workers at the front line of bird and wetland conservation



Making policy recommendations for bird and wetland conservation



Stepping up policy advocacy for bird and wetland conservation

Annual Progress

Bird Special Research

SEE Foundation has successively cooperated with the Chinese Academy of Forestry Sciences to carry out special research on satellite tracking of migration routes of red-crowned cranes (*Grus japonensis*) and survey of important habitats, with Beijing Forestry University to carry out survey of white-naped crane (*Grus vipio*) populations and special research on their migration rhythm, and with the Changbai Mountain Academy of Sciences to carry out special research on breeding habitat selection and artificial breeding technology of Chinese mergansers (*Mergus squamatus*). By fully leveraging the professional advantages of these research institutes and their researchers, SEE Foundation has undertaken research on the habitats and species biology of the bird species, acquired information on their survival status, and formulated conservation action plans, filling up gaps in the research and conservation of these bird species.



Artificial nest boxes for the Chinese Merganser Project © PIAO Zhengji

2022 National Bird Watching Festival

SEE Foundation teamed up with Tencent Foundation to launch citizen science activities during the "National Bird Watching Festival". Held on every National Day holiday, the activities attracted more people to learn how to watch birds and enter the bird watching domain to know, understand and record birds, and enhance their awareness of bird and nature conservation. In 2022, online and offline activities themed "National Birdwatching Festival – Fall in, Bird Watchers!" were staged and attracted 994 people during the 7-day National Day holiday period, with data submitted 8,004 times and 589 bird species recorded.



Hainan Bird Watching Festival

Green Papers of China's Coastal Wetland Conservation (2021) Officially Published

During the year, *Green Papers of China's Coastal Wetland Conservation (2021)*, which SEE Foundation jointly produced with the research team led Researcher YU Xiubo at the Institute of Geographic Sciences and Natural Resources Research of the Chinese Academy of Sciences, was officially published by Science Press. YU Xiubo and his team completed the public selections for the "Ten Major Advances in China's Coastal Wetland Conservation 2019-2021" and the "Top 10 Most Concerned Wetlands", and released the results to the public. Using a "Wetland Disturbance Index", they sorted out the main threat factors to China's coastal wetlands, examined their data availability, and assessed the status of wetland disturbances. It was the third assessment of the health status of coastal wetlands completed by the Free Flying Wings Project.



Green Papers of China's Coastal Wetland Conservation (2021)

Host Country Event at the 14th Meeting of the Conference of the Contracting Parties to the Ramsar Convention on Wetlands (COP 14)

During the Fourteenth Meeting of the Conference of the Contracting Parties to the Ramsar Convention on Wetlands (COP14), SEE Foundation joined hands with China International Economic Consultants Co., Ltd. and the World Conservation Union (IUCN) to host the host country event -- "Wetland Conservation Based on Sustainable Community Development " Forum. Representatives from various sectors, including government agencies, public welfare organizations, commercial institutions, research institutions, and community residents, expressed their opinions and explored the pathway to "harmonious coexistence between man and nature". In collaboration with several institutions, SEE Foundation launched the Public Initiative for Sustainable Seafood Harvesting. Participants called for the promotion of the sustainable development idea among surrounding communities, and explored ways to achieve a balance between development and conservation, while boosting wetland conservation.



"Wetland Conservation Based on Sustainable Community Development" Forum

Project Communication

As for new media communication, the "SEE Free Fly Wings" WeChat official account published 47 posts during the year, with 15 original ones, which were read 96,474 person-times. In all, 80 original short videos were released on the "SEE Free Fly Wings" WeChat and TikTok official accounts, attracting a maximum views of 22,000.

SEE Foundation produced a promotional video entitled "Your Commitment, We Protect" for the Free Flying Wings Project, and played it at the COP14's host country event Sustainable Community Development for Wetland Conservation Forum and the 5th anniversary meeting of SEE Free Flying Wings. Publicity was staged through various channels, including Weibo, WeChat Channel and TikTok, with 286,000 views on Weibo.



Promotional Video of the Free Flying Wings Project

Project Visits

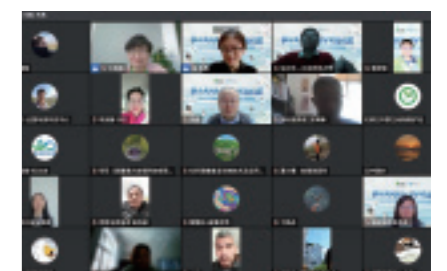
In November, the Free Flying Wings Project organized caring merchants of Alibaba XIN YI BAI and their public experience officers to visit the Free Flying Wings site in Beihai, Guangxi, and staged the second leg of the visit and experience officer activities of the Free Flying Wings Project, carrying the theme of "Protecting the Wings of Freedom, Escorting Migratory Birds Home". Combined with the dissemination of Alibaba Charity's XIN YI BAI Program, the event publicized the achievements of the project to more people.



Caring merchants of Alibaba XIN YI BAI and their public experience officers visit Beihai in Guangxi

Capacity Building Training

In 2022, the Free Flying Wings Project completed capacity building training for partners of the Free Flying Wings Folk Conservation Network. It invited industry experts to introduce bird research and protection work in various dimensions such as global migratory bird protection, national bird banding overview, and key bird protection areas, as well as partners of the Free Flying Wings Project and representatives of the SEE Conservation Project Center who achieved remarkable results in bird and habitat conservation to offer targeted guidance and reference for partners of the folk conservation network to take special actions in local bird conservation. All these helped to improve the partners' knowledge for implementing bird conservation projects.



Capacity building training for partners of the Free Flying Wings

Project Achievements of Project Centers

Taiwan Project Center

Tern and Habitat Conservation

The Taiwan Project Center has continued to promote the survey, monitoring and environmental protection of important species breeding sites, protected the breeding grounds of the Chinese crested terns, and guided more people to pay attention and participate in the conservation drive. From August to October, 4 habitat ecological and environmental monitoring sessions were held in the Mazu Tiejian Island Tern Conservation Area and the Snake Mountain on Mazu Chukuang Island. In November, 40 volunteers were recruited to take voluntary environmental protection actions on the Pengpeng Beach.



Volunteers carrying out tern habitat conservation actions

East China Project Center

Coastal Waterbird Habitat Conservation

The East China Project Center supports its partner organization "Ecological Nanhui" to carry out bird surveys in Dongtan, Nanhui, Shanghai. During the year, 161 volunteers completed 6 surveys, recording 29,473 birds in 177 species. They also held 15 online public welfare expert lectures, 10 public welfare bird appreciation activities, and produced popular bird science foldouts, bird photo calendars and other promotional materials.

In addition, the project center continues to run and manage the Environmental Education Center at the Chongming Dongtan National Nature Reserve in Shanghai, benefiting 34,659 people annually. It has held the "Urban Bird Seeking Season"-themed science activity series for citizens and the First Chongming Dongtan Coastal Community Bird Watching Life Festival, reaching millions of people. During the year, the number of Tundra swans (*Cygnus columbianus*) that came to Dongtan for the winter season exceeded 2,900, setting a new high.



"Urban Bird Seeking Season"-themed activities

North China Project Center

Free Flying Wings Folk Conservation Network Project

The North China Project Center supports conservation in the 2 blank land plots of Yeya (Wild Dyck) Lake and Miyun Reservoir. It has obtained 1,216 bird survey records and recorded 160 bird species, covering 3,266.65 hectares of land in total. The center has also supported the publication of Green Papers of China's Coastal Wetland Protection (2021), participated in organizing 4 bird watching activities, and obtained 556 items of public bird watching data.



2022 Free Flying Wings Bird Watching Public Welfare Activity Site

Northwest China Project Center

National Innovation Alliance for the Protection of Crested Ibis Established

On March 25, the National Innovation Alliance for the Protection of Crested Ibis (*Nipponia nippon*) was officially established, with the Northwest China Project Center (Xi'an Entrepreneurs Environmental Protection Foundation) on its governing council and Chairman ZOU Bin serving as its deputy director-general. The Alliance will combine the practical experience of the A Piece of Cropland for Crested Ibis Project and work with other alliance members to boost management and research innovation capabilities for Crested Ibis conservation, promote the sustainable development of the Crested Ibis conservation cause, and expand the influence of the Northwest China Project Center in the Crested Ibis conservation domain.



Crested Ibis at the A Piece of Cropland for Crested Ibis Project Site © ZHANG Yueming

The A Piece of Cropland for Crested Ibis Project has achieved initial results

In 2022, the first phase of the A Piece of Cropland for Crested Ibis Project was completed. The number of crested ibis at the project site and in the surrounding areas significantly increased, with a maximum of 48 crested ibis being observed at the same time. Moreover, paddy soil compaction was also substantially improved, while the species and population of aquatic organisms increased, providing rich food sources for the crested ibis.



The fifth spring planting season of the A Piece of Cropland for Crested Ibis Project was successfully completed

Hunan Project Center

Bird Monitoring of "Feather in Wind"

In the second half of the year, the Bird Monitoring Project of "Feather in Wind" held 2 training sessions on bird monitoring, recruited 35 volunteers, and organized 4 bird monitoring activities, in which 170 bird species were recorded; among others, a black eagle was discovered in Gushan, which had filled the previous vacant record of such a bird species in Changsha.



Bird Monitoring of "Feather in Wind"

Hubei Project Center

Guarding the Home of Baer's Pochard

This year, the Hubei Project Center jointly carried out Baer's Pochard (*Aythya baeri*) community monitoring project with its partners across the country, covering 19 provinces nationwide, investigating 205 plots simultaneously and patrolling a total of 12000-kilometer-long lake shoreline. It held "Yangtze River Conservation Forum", the first side meeting of COP14 and released the results of the wetland-related projects such as the protection of Baer's Pochard; with the support of the Zal Foundation, it has forged partnership with Chenhu Wetland Nature Reserve to put to use two intelligent monitoring systems and the Chenhu Qihao Bird Watching House and mutually construct the "Chenhu Demonstration Base for Public Participation in Wetland Protection".



Qihao Bird Watching House

Henan Project Center

Community Monitoring and Habitat Protection of Baer's Pochard

In 2022, this center has continued to support our partners in environmental protection for public welfare and implemented a series of actions on ecological monitoring and habitat protection for Baer's pochard community. Within the year, the project team had carried out about 50 field surveys, and created a local habitat for Baer's pochard there in collaboration with the Minquan Old Yellow River Wetland Management Bureau. By now, the reconstruction of this habitat has finished, and a total of 9 nests of Baer's pochard and successful breeding of the new ones have been found. In addition, the Henan Project Center has successively held popular science lectures on "Photography Exhibition of Birds in the Yellow River Basin (Henan Section)" and "Save the Singing of Birds by the Side of the Mother River", the exhibition of "Save the Singing of Birds by the Side of the Mother River" and the popular science lecture of "Bird Diversity and Habitat Conservation in Henan Section of the Yellow River Basin" in an endeavor to enhance the public's awareness of ecological environment conservation.



Schematic diagram of artificial habitat construction of Baer's Pochards © Henan Bird Association

Rescue Great Bustard Action in Yellow River Wetland

In 2022, the Henan Project Center has kept the direction of protecting the ecology of the Yellow River, taken the environmental protection project of "Great Bustard Go Home" as a carrier to widely mobilize social forces to participate in the protection of endangered migratory birds such as Great Bustard and their habitats and guide the public to understand the rare species such as Great Bustard, care for and join in the wetland protection in the ecological basin of the Yellow River by various means of forming patrol teams, promoting natural education, and organizing exhibitions on biodiversity.



Lantian Group's "Great Bustard Go Home" public welfare activity site

Guangxi Project Center

Fangchenggang Mangrove Wetlands Conservation

This year, the Guangxi Project Center has organized a series of activities with the attendance of the public such as mangrove replanting, beach cleaning, nature observation, and planting mangroves at home in the Shatan River of Fangchenggang, which attracted a total of over a thousand participants; it has also made investigations on the background resources of benthic animals and birds in the project site, and completed surveys on the mangrove forest restoration for Phase I and Phase II.



"Low Carbon with You, Ecological Harbor City" mangrove ecological restoration activity

Fujian Project Center

Purple Swamphen and its Habitat Conservation

Since the set-up of its first Purple Swamphen (*Porphyrio porphyrio*) patrol team in Xiamen in June 2021, the Center has successively erected fences at the dikes in the main activity areas of Purple Swamphens and offered them a relatively safe habitat. In 2022, 12 monitoring equipments have been installed around the reservoir to supervise the habitation of Purple Swamphens on a real time method and provide the monitoring data for the law enforcement of relevant departments as the effective evidence. After laborious communication and promotion for more than a year, this project has received high attention and support from the Xiamen Municipal Government. The Zhangdaiqiao Reservoir has been included within the ecological red line of Xiamen City.



Purple Swamphen Conservation in Zhangdaiqiao

Tern Conservation Action in Simuyu Island of Lianjiang

In 2022, Child Care on Tern Breeding Sites at Simuyu of Lianjiang, Fujian Province has accomplished a significant breakthrough. On May 27th, the personnel of this project discovered a pair of Chinese crested terns (*Sterna bergsteini*) landing in the conservation area, and subsequently monitored the nesting of large crested (*Sterna bergii*) and Chinese crested terns there. Thus, Fujian has recorded the entire breeding process of the Chinese crested tern for the first time, becoming the third province in China to successfully absorb Chinese crested terns after Zhejiang and Taiwan.



Chinese Crested Tern Bred on Simuyu Island

Zhejiang Project Center

Save the "Mythical Bird"

The Zhejiang Project Center, together with the Zhejiang Museum of Natural History and the Hangzhou Institute of Birds and Ecology, launched the Project of Save the "Mythical Bird" Chinese Crested Tern (*Thalasseus bergsteini*) in 2019. This project has persistently invested more than one million yuan to assist in the monitoring, protection and research of this rare bird species in its top two breeding sites on the earth, Xiangshan and Dinghai, and substantially contributed to the community recovery of this type of critically endangered bird, the Chinese crested tern. Later, the first science popularization picture book "Mythical Bird" came out and won the title of Top 10 Children's Book on Nature at the 5th Dapeng Awards for Children's Book on Nature. The achievements of the Chinese crested tern protection project were publicized at the press conference on the theme of "China in the Past Decade - Zhejiang" and enlisted on the transcript of Zhejiang's ten-year progress and reform. The restorative growth of the Chinese crested tern was highly praised by YUAN Jiajun, Secretary of the Zhejiang Provincial Party Committee of CPC and Director of the Standing Committee of the Zhejiang Provincial People's Congress.



Assisting in the Research on Ringing and Banding of Birdling Terns

Poyang Lake Project Center

White Crane and Migratory Bird Patrol Monitoring

The Poyang Lake Project Center and its partner Nanchang Wuxing White Crane Protection Community carried out the White Cranes and Surrounding Migratory Bird Patrol Monitoring project, to ensure the safety of more than 2,500 wintering migratory birds including White Crane, Tundra Swan (*Cygnus columbianus*), Bean Goose (*Anser fabalis*), Swan Goose (*Anser cygnoides*), and at the same time, provide sufficient wintering food for White Crane arriving at the end of the year by planting lotus root fields.

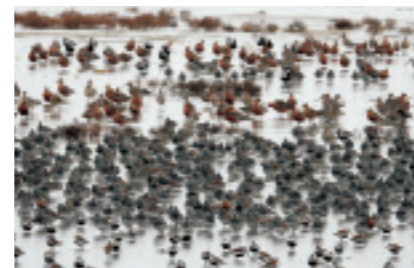


White Crane © ZHOU Haiyan

Liaoning Project Center

Water Bird Monitoring and Habitat Protection Action

In 2022, the Free Flying Wings Project Team, Liaoning Project Center and other local partners have kept on carrying out waterfowl monitoring and habitat protection actions in four area of previously-unprotected wetlands, namely, Daliao Estuary in Yingkou, Daqing Estuary, Donggang Seashore and West Channel of the Yalu River in Dandong. While investigating the community distribution tendencies and habitat changes of waterfowl, these actions were dedicated to strengthening the monitoring of habitats and birds on this plot, enhancing public participation, and protecting migratory birds and their habitats.



Plover in Daliao Estuary, Yingkou © ZENG Yajie

Tianjin Project Center

Tianjin Hangu Coastal Mudflat Monitoring

During the year, the monitoring of the plots in Tianjin Binhai Mudflat Wetland showed a generally good condition of the wetland without the occurrence of reclamation, new site development and construction, environmental pollution and other problems. The variety and number of bird species were in an ascending trend, and the number of bird species during migration has maintained a steady and minor increase. The maximum number of every species of Common shelduck (*Tadorna tadorna*) and Pied avocet observed (*Recurvirostra avosetta*) has reached 8000 to 10000, and the number of migratory birds breeding here has also soared up compared with the previous years.



Tianjin Hangu Coastal Mudflat Monitoring

Hebei Project Center

Habitat Restoration of Baer's Pochard in Hengshui Lake

Since the fourth quarter of 2022, the Hebei Project Center began to carry out funding activities for the protection of Baer's pochard, the national first level endangered species. Its sponsorship focused on the improvement of Hengshui Lake as an important habitat of Baer's pochard to enhance the public's familiarity of this rare bird and initiative in biodiversity conservation, render important support to its conservation and community restoration, further lift the level of biodiversity conservation in National Nature Reserve of Hengshui Lake in Hebei, and exemplify a demonstration for practicing the conservation of Baer's pochard and other rare bird in a broader scale.



Hengshui Lake

Remarks from Partners



LIU Xuezhong

Head of Qinhuangdao Bird Watching and Loving Association

Since Qinhuangdao Bird Watching and Loving Association became the first funding partner of the "Free Flying Wings" Project in 2017, we walked all the way of the several-year bird survey and wetland patrol in company with this project.

Looking back over the past five years, we keenly felt it was the support and company of the "Free Flying Wings" Project that had instilled confidence to many members of Qinhuangdao Bird Watching and Loving Association, and encouraged its volunteers to negotiate with government departments many times, take part in the planning and design, supervise the process, and reject unreasonable site construction while successively participating in the ecological restoration project of Shanhaiguan Shihenan Island in 2017, the Qilihai ecological restoration project of Beidaihe New Area in 2019, and the ecological restoration project of Beidaihe coastal waters in 2020 so as to effectively protect the ecological environment of several important wetland plots along the coast of Qinhuangdao. The forestry departments of the municipal city, districts and counties of Qinhuangdao at all levels and the forest public security bureau of Qinhuangdao City have successively established information cooperation channels with the investigation and patrol team of the "Free Flying Wings" Project. I hope that we can further converge our efforts to create a peaceful and delightful home for migratory birds passing through Qinhuangdao.

Expert Commentary



ZHANG Zhengwang

Professor of Beijing Normal University

Since the launch of the "Free Flying Wings" Project, a series of significant achievements have been made in the protection of migratory birds and their habitats. 2022 was the fifth year for the implementation of this project, and also the key year for preventing and controlling the COVID-19 pandemic in all regions of China. The Secretariat of SEE Foundation and its various partners have jointly made unremitting efforts to protect and investigate the selected protection plots and organize activities such as habitat patrols, threat monitoring, bird rescue, anti-poaching, and natural education for the public under very difficult circumstances so that the project had yielded new results and achieved its expected goals. In particular, at the 14th Meeting of the Conference of the Contracting Parties to the Ramsar Convention on Wetlands held in Wuhan, the "Free Flying Wings" Project showcased the achievements in the conservation of wetland waterfowls and their habitats along the East Asia-Australasian flying route and won great recognition of domestic and foreign peers. As a long-term professional in bird research and conservation, I would like to cordially congratulate the SEE Foundation on the good score of the "Free Flying Wings" Project in 2022 and eagerly anticipate its excellent performance in 2023.

Species and Habitat Conservation

Free Flying Wings | **Noah's Ark** | Save the Smile of the Yangtze River | Rare and Endangered Species Conservation

The "Noah's Ark" Project is committed to the biodiversity conservation of primary forest and plateau wetlands in the mountainous regions of Southwest China and tries to explore and promote the friendly and interdependent relationship between human society and the ecosystem, reinforce the comprehensive biodiversity conservation mechanism in the key bio-ecological areas (KBA) in the mountainous regions of Southwest China, facilitate the implementation of conservation led and managed by local people, exploit local biological resources in a sustainable way and bring benefits to local people during the course of this conservation project.

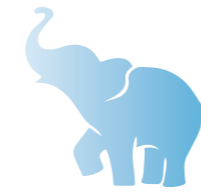
On the basis of more than 8 years' practice, the "Noah's Ark" Project has implemented the ecosystem protection of the key flagship species represented by Green peafowl, Asian elephant (*Elephas maximus Linnaeus*), Yunnan snub-nosed monkey (*Rhinopithecus bieti*) in the key bio-ecological areas (KBA) with the most abundant biodiversity among the southwest mountains from four aspects of joint community management and protection, community livelihood development, scientific ecological monitoring, and green environment education. The project has made a point of developing ecological industries and improving the livelihood of local communities in a practical sense. It supported the protection mainly conducted by local people, allowed natural species to freely reproduce without leaving their native habitats and built a "beautiful homeplace with animals in the forest, fish in the water, birds in the sky, and a harmonious coexistence between human beings and nature".

Project Achievements in 2022

| | | |
|---|---|---|
| <p>19 Public events held</p> | <p>109.2 ha. Restored habitat and corridor for Asian elephants</p> | <p>880,000 Asian elephant's favorite feeding plants and rainforest trees planted</p> |
| <p>26 Ecological sanitary ware provided for Yunnan snub-nosed monkey community</p> | <p>3,963 Local tree species planted back at home</p> | <p>3 Technical regulations formulated</p> |

The Surroundings of the Green Peafowl (*Pavo muticus*) Distribution Area Photographed by UAV

Project Achievements Over the Years (2016-2022)



Asian Elephant Conservation Project

It has funded the development of a mobile acousto-optic alarm system to prevent Asian elephant from causing trouble, and conducted intelligent identification training for Asian elephants' data retrieval and optimized and renovated a 600-hectare area of Asian elephant habitat.



Green Peafowl Protection Project

The project has finished the survey of green peafowl habitat in the middle and upper reaches of the Yuanjiang River, and sought out artificial intervention measures, which are approximate to natural methods, on the strength of the five-year conservation exploration. As a result, a total of 70 green peafowl chicks were reproduced in the two conservation areas.



Yunnan Snub-nosed Monkey Conservation Project

The project has finished the full-field dynamic monitoring of Yunnan snub-nosed monkey, compiled the *Green Paper of Yunnan Snub-Nosed Monkey Conservation*, which systematically reviewed and described the difficulties and achievements of biodiversity conservation in Yunnan over the past 40 years.



The Expansion of New Projects

We promoted numerous projects such as the protection of Himalayan bee, endangered Chinese herbal medicine, indigenous fish in the Jinsha River, and the Xinzhu Botanical Garden, and helped restore the endangered local tree species such as *Tetracentron sinense*, *Acer yangbiense*, and *Firmiana major* in their original places.

Annual Progress

Asian Elephant Conservation

In order to improve the activity habitat of Asian elephants, the project has optimized and renovated the habitat and corridor of Asian elephant in Meng'a Town, Dadugang Town and Jingne Town of Menghai County in Xishuangbanna, restoring an area of 109.2 hectares, and planting more than 880,000 Asian elephants' favorite plants and rainforest species. At the same time, the project has established a complete system of scientific monitoring on land use, vegetation phenology, animal activities, and meteorological background, etc. in the restoration area, and provided support data on the completion of restoration and its impact on animals and native vegetation in the same region. So far, the 600-hectare Asian elephant habitat has been optimized and renovated.



Asian Elephants Living in Meng'a Town, Menghai County, Xishuangbanna © Provided by Menghai Forest and Grass Bureau

In addition, we have inspected and accepted the implementation of the Asian elephant project in the early stage, discussed the follow-up work direction of Asian elephant protection, invited experts and scholars who had conducted in-depth research on Asian elephant, tropical rainforest vegetation, forestry ecology, wildlife protection and other aspects in Yunnan Province, to deliver a comprehensive evaluation of the project, and held the "Asian Elephant Protection Experts Exchange Meeting" to guide the direction of Asian elephant protection. After their review, the experts believed that the project has harvested significant fruits in the preliminary stage and achieved a good model of the harmonious coexistence between human beings and Asian elephants, which was typical of "guaranteed safety for the animals, timely compensation for losses, effective measures for conservation, and suitable habitat for survival".



Record of the on-site Inspection by Senior Experts

Conservation of Yunnan Snub-nosed Monkey

In 2022, the patrol team of the Laojun Mountain had tested the adoption of the smart patrolling APP to improve the professionalism and efficiency of their task, and conducted the surveys and collected popular science materials on animals and plants in Laojun Mountain by means of skill training programs of bird and plant identification, wildlife photography, etc., while continuously tracking the Yunnan snub-nosed monkey communities. The project has provided 26 sets of ecological bathrooms for the Nanren Community in Baima Snow Mountain to eliminate outdoor defecation and improve the living conditions in impoverished areas and helped raise the fund for the relocated families due to immigration, wooden houses for science popularization and education, and the families of leukemia patients to satisfy the urgent needs of the villagers. By the end of the year, the project has also collected more than 65000 native plant seeds as the reserved resources for the future ecological restoration of Yunnan snub-nosed monkey habitats and potential corridors.



Yunnan Snub-nosed Monkey

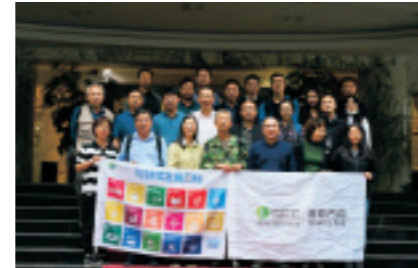
Green Peafowl Conservation

The project continued to consolidate the protection system in the joint management and protection area of two Green peafowl habitat communities. By carrying out patrol monitoring, water supplement and food supplement, 17 Green peafowl chicks were born at the project site in 2022. Under the proposal of the project, the villagers in the communities around the Green peafowl bred 2,000 local plant Fire Flame Bush (*Woodfordia fruticosa*) and provided them to the Yunnan Academy of Forestry and Grassland for the ecological restoration test of dry and hot river valleys. The villagers also obtained livelihood income from plant breeding. At the same time, based on the project experience accumulated over the past five years, the project has compiled three technical procedures for Green peafowl patrol, monitoring, and habitat restoration, which have been approved for expert review, thus promoting the scientific, professional and standardized protection of Green peafowl in Yunnan. Over the past five years, 70 Green peafowl chicks have been born in the project site.

In September, under the guidance of Yunnan Forestry and Grassland Bureau, the project held the 2022 Green Peafowl Conservation Joint Conference between Yuxi Forestry Department and the Green Peafowl Conservation Management Committee. The conference released the plan for the next 20 years of the Green Peafowl Project and the technical scheme for ecological restoration of the Green peafowl. The attending experts and committee members provided suggestions on the completion status of the project and the next plan from aspects such as social impact, animal research, plant research, cultural communication and promotion, and vegetation restoration.



Green Peafowl



Group photo of Green Peafowl Management Committee

Community Projects

The "Noah's Ark" Project promoted community-based protection actions, organized villagers to return and plant 3,963 local tree species, and planted 50,000 plant seedlings in greenhouses; funded 2 trainings on plant seedling cultivation and pest control of endangered medicinal plants; and simultaneously funded the renovation of the "Dongba Nature Museum".



Conducting community survey in Nanren Village

Chinese Bee (*Apis cerana cerana Fabricius*) Breeding

The project continued to expand from Northwest Yunnan to Central Yunnan and South Yunnan. In 2022, the project carried out the return visit to the nectariferous plants and early community beekeeping in Green peafowl distribution area in Yuxi and Asian elephant distribution area in Banna, and provided beekeeping training for the communities around the Green peafowl and Asian elephant project sites.



Return visit to Beekeeping Project in Northwest Yunnan

Nature Education

The project participated in and carried out 19 public activities, including the SEE Noah's Ark Issue Alliance Exchange and Training, Banna Nature Education in Campus, and the 11th Ecological Trailwalk, and compiled and published the SEE See series popular science books such as *Plant Atlas* (5 volumes) and *Monkey Watching Notes* (1 volume). This series of books won the "Top Ten Good Books in Biodiversity" award in the 10th "Beauty of Books - Good Books in Kunming" selection in June.



Activity site of Nature Education on Asian elephant in Jingne Town

Remarks from Partners



PU Zhengwei

Director of the Xinping Forestry and Grassland Bureau

At the beginning of 2018, under the guidance and promotion of the provincial and municipal forestry and grassland departments, with the funding from the SEE Foundation and the support of the project executor, Yuxi Hongta District Bird Watching Association, we officially launched the "Green Peafowl Habitat Co-Management and Conservation Community Project in Yao Village, Xinping County, Yuxi City". After five years, the project has completed all its contents according to the Implementation Plan, making fruitful contributions to the protection and monitoring of Green peafowl habitat in our county. At present, through monitoring, it is found that the wild population and number of Green peafowl in the project area are increasing year by year, and the range of Green peafowl habitat is also expanding year by year. Through the implementation of the project, the Green peafowl habitat in the county is basically strictly protected, and the public awareness of protection is significantly improved!

Expert Commentary



ZHU Hua

Researcher of Xishuangbanna Tropical Botanical Garden, Chinese Academy of Sciences

Tropical rainforest is the forest ecosystem with the most diverse species in the world. In the tropical rainforest plot, the proportion of rare species is very high, with half of the species appearing in populations as small as 1-10 individuals, and some even only in one individual. The removal of such rare species will lead to its disappearance in the plot, and even may lead to the disappearance of species.

Tropical rainforests are so rare and precious that what can be preserved needs to be preserved as much as possible. However, the plant structure in secondary forest is relatively simple, because it is not a tropical rainforest. From the perspective of biodiversity conservation, it has relatively small impact on plants, which may be the direction of subsequent work for Asian elephant habitat restoration and tropical rainforest restoration.

Species and Habitat Conservation

Free Flying Wings

Noah's Ark

Save the Smile of the Yangtze River

Rare and Endangered Species Conservation

The "Save the Smile of the Yangtze River" project was a special project initiated by the SEE Conservation Hubei Project Center in collaboration with the SEE Conservation Hunan, Anhui, and East China Project Centers. It was established in March 2016 at the SEE Foundation, and raised funds through its public fundraising platform. It aims to enhance the participation and effectiveness of social organizations in the rescue of aquatic organisms such as the Finless Porpoise, and form a linkage between the forces of the government, scientific research institutions, caring enterprises, environmental protection public welfare organizations, and the public, and effectively participate in the rescue of the Finless Porpoise, ultimately achieving the beautiful vision of restoring its population and stabilizing the healthy development of the Yangtze River ecosystem. It currently covers three major brand projects: "Assistant Patrol", "Finless Porpoise and Love - Dissemination Project", and "Finless Porpoise Jumps Out of the Water - Scientific Popularization and Research Project".

Project Achievements

Assistant Patrol system: widely implemented in the Yangtze River Basin

Since New Year's Day in 2021, we have launched the 10-year fishing ban measures in the Yangtze River, widely implemented the Assistant Patrol system in the Yangtze River Basin, and participated in water inspections, science popularization, aquatic organism protection, and other work, gradually becoming an important supplementary force for the 10-year fishing ban law enforcement and supervision work of the Yangtze River.

522

Assistant Patrol teams

20,000⁺

Patrolmen

203

Person-times in the training for key members of assistant patrol teams

Annual Progress

Completing the selection of excellent Assistant Patrol teams/members

In July 2022, under the guidance and arrangement of the Yangtze River Office of the Ministry of Agriculture and Rural Affairs, the survey on 36 assistant patrol teams from 15 provinces and cities along the Yangtze River was completed. At the same time, nearly 30 special reports on "Search for the Best Yangtze River Assistant Patrol Team" were released, affecting over 100,000 people and greatly enhancing public influence.



Assistant Patrol selection expert panel in on-site visits to Yunyang, Chongqing

On October 24, 2022, the International Freshwater Dolphins Day, under the guidance of the Yangtze River Office of the Ministry of Agriculture and Rural Affairs, the award ceremony of "2021 Excellent Assistant Patrol Teams and Members" hosted by Hubei Changjiang Conservation Foundation (CCF) was held in Yongxiu, Jiangxi Province. On site, 26 excellent teams and 100 excellent individuals were announced to commend frontline patrolmen for their positive contributions in carrying out water inspections, fish protection, science popularization, and other work by fully utilizing their advantages such as familiarity with water conditions, proximity to the masses, flexibility, and wide coverage, which effectively makes up for the shortcomings of professional law enforcement forces in time and space distribution.



Award ceremony of the "2021 Excellent Assistant Patrol Team Selection"

Assisting Organization of Seminar on Fishery Administration Assistant Patrol

On October 25, CCF assisted the Yangtze River Office of the Ministry of Agriculture and Rural Affairs in organizing the seminar on fishery administration assistant patrol in key water areas of the Yangtze River Basin. Relevant leaders from agricultural and rural departments in 15 provinces (cities) in the Yangtze River Basin conducted centralized exchanges. MA Yi, Director of the Yangtze River Basin Fisheries Supervision and Administration Office of the Ministry of Agriculture and Rural Affairs, fully affirmed the effectiveness of the assistant patrol work. At the same time, in view of some common problems in different places, such as the unreasonable structure of patrolmen, insufficient capacity, and insufficient financial support, MA Yi proposed suggestions and measures such as focusing on both quality and quantity, multi-channel support for financial guarantee, and material and spiritual encouragement.



MA Yi, Director of the Yangtze River Basin Fisheries Supervision and Administration Office of the Ministry of Agriculture and Rural Affairs

Training for Key Members of Assistant Patrol Teams

To improve the professional quality of patrolmen, CCF held the "Training for Key Members of Fishery Administration Assistant Patrol Teams in the Prohibited Fishing Areas of the Yangtze River Basin" Phases II and III in September and October, respectively, providing training for 203 backbone patrolmen and issued the completion certificate to each backbone patrolman who passed the assessment. They were also equipped with an outdoor telescope and an accident insurance of 1 million yuan, providing comprehensive protection and support for frontline patrol work in the field. In addition, to further standardize the training effect, CCF, together with Shanghai Ocean University, planned to prepare the *Practical Guides for Yangtze River Fishery Administration Assistant Patrolmen (Draft)*, which provides more practical professional guidance for frontline patrolmen from four aspects of laws and regulations, professional quality, primary rescue, and field first aid.



"Training for Key Members of Fishery Administration Assistant Patrol Teams in the Prohibited Fishing Areas of the Yangtze River Basin" Phases III

2022 Yangtze River Finless Porpoise Scientific Expedition

On September 19, the 2022 Yangtze River Finless Porpoise Scientific Expedition was officially launched. This expedition is the fourth scientific expedition of Finless Porpoise in the Yangtze River Basin after 2006, 2012, and 2017, and also the first systematic survey of species in the Yangtze River Basin since the implementation of the 10-year fishing ban. It is of great significance for the protection of Yangtze River Finless Porpoises and even the entire Yangtze River ecosystem. CCF, as a co-organizer, deeply participated in the entire expedition activity and provided sufficient support for this expedition.



Site of the 2022 Yangtze River Finless Porpoise Scientific Expedition

Finless Porpoise and Love - Dissemination Project: building a communication and cooperation platform for industry partners along the Yangtze River Basin

We supported 18 partners to carry out practical actions on the protection of aquatic organisms in the Yangtze River through various forms such as popular science education, image recording, cultural and creative products, and scientific research, and cultivated and led more social organizations and the public to participate in the Yangtze River Conservation Action. In addition, to further enhance partner project management and fundraising capabilities, "Finless Porpoise and Love - Dissemination Project" also conducted 6 targeted training and sharing sessions for funding partners to strengthen communication and accompany growth.



On-site partners and guests of the "Finless Porpoise and Love - Dissemination Project" review meeting

Finless Porpoise Jumps Out of the Water - Scientific Popularization and Research Project: Guidance Manual for Enterprise Biodiversity Conservation released in COP15

On the morning of December 9, CCF participated in and supported the preparation of the *Guidance Manual for Enterprise Biodiversity Conservation*, which was released at the "China Corner" Multilateral Meeting of "Accelerating Commercial Actions to Achieve China's Biodiversity Conservation" in the second phase of the 15th Meeting of the Conference of the Parties to the United Nations Convention on Biological Diversity (CBD COP15) held in Montreal, Canada. This manual will serve as a practical guide for Chinese enterprises to carry out biodiversity conservation and learn from each other's conservation practices.



Guidance Manual for Enterprise Biodiversity Conservation was released in COP15

Project Achievements of Project Centers

Hunan Project Center

Search for the Best Yangtze River Assistant Patrol Team

From July 22 to 24, the Hunan Project Center participated in the investigation of the 2021 Excellent Fishery Administration Assistant Patrol Teams and Members in the Prohibited Fishing Areas of the Yangtze River Basin. They investigated the Qianliang Lake Patrol Team in Junshan District, Yueyang City, the Fishing Protection Team in Puji Town, Liuyang City, and the Fishery Administration Law Enforcement Volunteer Patrol Center in Xiangjiang River Basin, Qiyang City to understand the progress of the patrol work in the prohibited fishing areas.



Research on Assistant Patrol in the Yangtze River Basin

Hubei Project Center

Scientific release of "Fish in Yangtze River"

In 2022, 4 public welfare activities were carried out to release thousands of first-class protected fish species, and approximately 160,000 second-class and indigenous fish species; 4 trainings on scientific release were held, and one offline demonstration and exchange Q&A meeting on Chinese Sturgeon release was held, with the participation of 20 public welfare institutions in the Yangtze River Basin.

Collaborating with 10 environmental public welfare organizations and partners in the Yangtze River Basin, we carried out 30 offline activities for public promotion of fish resources; issued 4 sets of research and development themed nature education work packages; published over 60 audio books on fish science popularization, and more than 100 hand-painted fish works; and supported partners to prepare one release guide.



"Guard the Yangtze River, Protect Chinese Sturgeon" - Release of Chinese Sturgeon

Anhui Project Center

Wanjiang River Conservation

From November 10 to 24, 2022, the Anhui Project Center organized a 13-member scientific expedition team to complete the survey of the number and distribution of Finless Porpoise in the Wanjiang River. After 15 days of sailing for 810 kilometers, 207 Finless Porpoises in 106 groups were found in the Wanjiang River. Next, we will analyze the changes in the number of Finless Porpoise in the Wanjiang River and the impact of shipping on its habitat activities. The proposed completion date is early April 2023.



Scientific Expedition on Ecological Conservation of Anhui Section of Yangtze River

Poyang Lake Project Center

Finless Porpoise Conservation in Poyang Lake

In 2022, the "Finless Porpoise Conservation in Poyang Lake of Poyang County" eliminated various factors that may pose a threat to the survival of the Finless Porpoise by daily patrolling the core protected area of the Finless Porpoise and strengthening the efforts to salvage and clean up the waste in the Poyang Lake Region, and carried out publicity and education on the conservation of the Finless Porpoise by volunteers in Town administrative villages and primary and secondary schools in the Lake Region every month.

In the year, 2 fishermen stations were set up in Chemen Village, Baishazhou, Poyang County, and Zhujia Village, Lianhu Town, to provide a platform for employment and information exchange of local retired fishermen.



Finless Porpoise Patrol Team

Remarks from Partners

LI Huarong

Secretary General of Finless Porpoise Conservation Association in Jiangdu District, Yangzhou City

As a social organization, we are fortunate to have done a good job in protecting the Yangtze River Finless Porpoise and the mother river under the scientific guidance of CCF, becoming increasingly professional and growing gradually. Both the Finless Porpoise Assistant Patrol, Fishermen's Stations, and the "Science Popularization Education Base for Aquatic Organisms" jointly built by us have all achieved good social effects in the local protection and science popularization of the Yangtze River, especially planting green seeds in the hearts of young people. We hope to further socialize and participate in the Yangtze River Conservation, breathe together with the Finless Porpoise, and share a common destiny with the Yangtze River.

Expert Commentary



YU Xiubo

Researcher of Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences

The "Save the Smile of the Yangtze River" project implemented by CCF advocated the concept of socialized participation in the Yangtze River Conservation, explored innovative models of collaborative protection between local governments, competent departments, enterprises, environmental protection public welfare organizations, and the public, and jointly carried out a series of activities such as Assistant Patrol, scientific release, and publicity and education. Among them, Assistant Patrol was selected as one of the top ten ecological protection and restoration models in the Yangtze River Basin by transforming "fishermen" into "fish protectors". The 'Save the Smile of the Yangtze River' project has provided a demonstration for the conservation of Finless Porpoise and socialized participation in the Yangtze River Conservation.

Species and Habitat Conservation



Free Flying Wings | Noah's Ark | Save the Smile of the Yangtze River | **Rare and Endangered Species Conservation**

The SEE Foundation's Rare and Endangered Species Conservation project aims to carry out conservation actions for rare and endangered species through in situ conservation, ex situ conservation, and other forms in eligible areas by supporting communities around their habitats, as well as local institutions with a certain foundation.



Xinjiang Tulip © YANG Zongzong

Project Achievements in 2022

| | | |
|---|--|--|
| <p>11</p> <p>Rare and endangered species protected</p> | <p></p> <p>Conducted assessment for red list of species</p> | <p></p> <p>Completed the research on the List of Wild Animals and Plants in Urgent Need of Priority Protection in China</p> |
| <p>6</p> <p>Species Survival reports prepared</p> | <p>3</p> <p>Species conservation action plans prepared</p> | <p>2</p> <p>"Say No to Wildlife Consumption Action" projects launched</p> |

Annual Progress

Supported the assessment for red list of species

In 2022, the SEE Foundation continued to support the International Union for Conservation of Nature (IUCN) to carry out the assessment of the Red List of Freshwater Fish Species and Snake Species in China. According to the assessment criteria of the IUCN Red List of Species, Chinese and some international experts assessed more than 200 snake species and documented freshwater fish species in China, and drew an updated geographic information system distribution map.

The information on snake species in China has been assessed and will be updated to the IUCN Red List website after further confirmation. At the same time, 72 freshwater fish species have been assessed, 41 species have been submitted to the IUCN Red List of Species website for publication, and 31 species are waiting for further expert review ; and more information is being collected on remaining 172 freshwater fish species for accurate assessment.

Completed the research on the List of Wild Animals and Plants in Urgent Need of Priority Protection in China

With the support of the SEE Foundation, the Endangered Species Scientific Commission led the organization of well-known experts and management backbones in the Kunming Institute of Botany and the Chengdu Institute of Biology, Chinese Academy of Sciences, and completed the "List of Wild Animals and Plants in Urgent Need of Priority Protection in China" by formulating assessment standards and selection methods on the basis of establishing the scientific concept of "Wild Animals and Plants in Urgent Need of Priority Protection in China". The research results will improve the efficiency of species conservation in China, and it is of great significance to allocate limited resources to the protection of the most critical species.



Chinese Dove Tree (*Davidia involucreta*)

Continuously carried out the conservation of 11 rare and endangered species

In 2022, the investigation and conservation project of the endemic and endangered plant Xinjiang Tulip (*Tulipa sinkiangensis*) and other domestic species of Tulip were completed. We continued to carry out 5 rare and endangered species conservation projects, including Anhui Musk Deer (*Moschus anhuiensis*), White-Lipped Deer (*Przewalskium albirostris*), Phayre's Leaf Monkey (*Trachypithecus phayrei*), Nepal Gray Langur (*Semnopithecus schistaceus*), and Liua Shihi; 4 new species conservation projects, including Williamson's Mousedeer (*Tragulus williamsoni*), Hainan Black Crested Gibbon (*Nomascus hainanus*), Gray Snub-Nosed Monkey (*Rhinopithecus brelichi*), and Azalea (*Rhododendron simsii*).



White-Lipped Deer © Forestry Research Institute of Garzê Tibetan Autonomous Prefecture

Completed 6 species survival reports and 3 species conservation action plans

We completed the compilation and expert review of survival protection of 6 species, including Asian elephant, Przewalski's Gazelle (*Procapra przewalskii*), Ili Pika (*Ochotona iliensis*), Procambarus praxifolius, Amphizoidae Davidi, and Urophysa rockii, and completed the visual publicity long map of the survival reports of such 6 species. In addition, we also completed the preparation of the protection action plans of 3 species, namely, the Blue-Crowned Laughingthrush (*Garrulax courtoisi*), the Reeves's Pheasant (*Syrnaticus reevesii*) and the Great Hornbill (*Buceros bicornis*).



Asian elephant © JIANG Zhicheng

"Say No to Wildlife Consumption Action" projects were launched

Two "Say No to Wildlife Consumption Action" projects were launched in major cities of Guangxi Zhuang Autonomous Region and Guangdong Province. The " Say No to Wildlife Consumption Action " project mainly conducts offline surveys of wildlife trading markets to provide reference for sustainable wildlife protection policies in the future.



Nepal Gray Langur (*Semnopithecus schistaceus*) © LI Dayong & WANG Xueyu

Remarks from Partners



YANG Zongzong

Founder of the Botanical Society in Nature, member of the Xinjiang Wildlife Conservation Association

Xinjiang Tulip is the only endemic species among the wild Tulip species in Xinjiang, with important research, horticultural breeding and other values. It can be seen everywhere in Urumqi, as if the "golden spring light" in the city. However, with the development of humanity and urban construction, Xinjiang Tulip has faced a threat to the survival. In 2017, I launched the Botanical Society in Nature, and made efforts to provide folk protection for endangered plants, represented by Xinjiang Tulip. Since 2019, with the support of the SEE Foundation and the SEE Conservation Xinjiang Project Center, we have been fortunate enough to achieve incredible challenges and goals one by one. There are a total of 14 wild Tulips in China, all of which are only distributed in Xinjiang. We have conducted numerous investigation, publicity, science popularization, and protection work. Finally, in September 2021, with the joint efforts of various parties, the newly revised List of National Key Protected Wild Plants listed all wild Tulip species in China as national second-class protected species. Sincerely thank the SEE Foundation and the SEE Conservation Xinjiang Project Center for accompanying me on the first step of public welfare protection. We will continue to move forward towards the "golden spring light" in nature!

Expert Commentary



ZHOU Jiang

Professor of Guizhou Normal University

The SEE Foundation focuses on and implements the rare and endangered species conservation work, not only for the species themselves, but also for the importance and protection of the natural environment in which they live, namely, the substantive protection work for the integrity and health of the ecosystem in a certain region. It is also highly representative in the selection of protected objects for endangered species. From tropical to temperate, from forest to desert, from ocean to land, it covers all kinds of ecosystems and natural landscape types in China. It has not only carried out protective rescue work for some critically endangered species, but also enriched and improved the public's awareness of China's biodiversity, magnificent natural landscape, and ecological environmental protection. It is of great significance to promote China's biodiversity conservation, and has played a vital role in China's endangered species conservation.

Ecosystem Conservation

Conserving the Sanjiangyuan Region Civil Protected Areas

Located in the hinterland of the Qinghai-Tibet Plateau, the Sanjiangyuan Region is the birthplace of the Yangtze River, the Yellow River and the Lancang River. It is an important water conservation area and a crucial source of fresh water resources in China, the most concentrated area of biodiversity in high-altitude areas of the world, and also a sensitive area and an important starting area for climate change in China and even the world. The "Conserving the Sanjiangyuan Region" project aims to promote the establishment of a community interactive network model, maintain the authenticity of the natural ecosystem in the Sanjiangyuan Region, realize the harmonious coexistence of human and nature in the Sanjiangyuan Region, and protect China's most unique plateau ecosystem and the water source of 700 million people.

Project Achievements in 2022

In 2022, on the basis of supporting species conservation, water source conservation, grassland restoration and other protection issues, the project launched the Sanjiangyuan Community Protection Image Communication Plan, improving the brand influence and communicating the project results through images. Five new projects were funded, with the funding amount of 1.1015 million yuan, and three projects were completed, involving species and habitat conservation, water source conservation, grassland management, human-wildlife conflict exploration, community protection image communication and other issues, thus gradually forming the protection brand of SEE Foundation in the key areas of biodiversity in the Sanjiangyuan Region, and jointly building a "protection cooperation network" with partner institutions, and effectively promoting the participation of all sectors of society in biodiversity conservation in Sanjiangyuan Region.

In the future, we will continue to promote the "protection cooperation network" of Sanjiangyuan, strive to build the "guardian" brand of Sanjiangyuan, link more effective resources such as the government, the public, enterprises and public welfare institutions, form a joint force, jointly participate in the construction of Sanjiangyuan National Park, and play the positive role of public welfare protection in the "Conserving the Sanjiangyuan Region".

5
Projects newly funded

1.1015 million yuan
Funding amount

3
Projects completed



Scenery in Sanjiangyuan

Project Achievements Over the Years (2012-2022)

115

Local environmental protection organizations and individuals encouraged to participate in

110 ha.

Grassland restoration experimental site

127,000 km²

Protected land area

Annual Progress

Sanjiangyuan Snow Leopard Community Protection Monitoring

By the end of November 2022, with the support of the Sanjiangyuan Snow Leopard Community Protection project, the project team recovered five times of infrared camera data in Angsai Town and Suojia Town, and preliminarily completed data analysis. According to statistics, from January to the end of March 2022, 38 out of 75 infrared cameras in Angsai Town had a total working duration of 2,542 days, and conducted a total of 901 independent captures of the species, including 90 independent captures of Snow Leopard and 35 independent captures of Leopard (*Panthera Pardus*). And 68 infrared cameras in Suojia Town from January to July 2022 had a total working duration of 7,227 days, and conducted a total of 2,551 independent captures of the species, including 335 independent captures of Snow Leopard, involving 41 and 26 camera sites in two quarters, respectively. The capture records involve 36 identifiable species, including Wolf (*Canis Lupus*), Lynx, Pallas's Cat (*Otocolobus Manul*), Brown Bear (*Ursus Arctos*), and other national protected animals.



Leopard detected in Angsai Town

Official Publication of the *Natural Atlas of Sanjiangyuan National Park*

Based on the scientific survey and research jointly carried out and supported by Sanjiangyuan National Park Administration, Shan Shui Conservation Center, Peking University, SEE Conservation Sanjiangyuan Project Center and other units and institutions, the *Natural Atlas of Sanjiangyuan National Park* selects common, unique and representative 832 species of spermatophyte belonging to 232 genera and 50 families, 62 species of mammals belonging to 19 families and 8 orders, 196 species of birds belonging to 45 families and 18 orders, 14 species of reptiles and amphibians belonging to 10 families and 3 orders, and 44 species of fishes belonging to 5 families and 3 orders in Sanjiangyuan National Park and its surrounding areas. With over 1,000 exquisite pictures and popular scientific language introducing the characteristics of these species, it fully showcases the colorful life on this magical and magnificent land, providing vivid reference for visitors to deeply understand the local customs and practices, and also offering a basis for community biodiversity monitoring and ecological protection in the future.



Official Publication of the *Natural Atlas of Sanjiangyuan National Park*

Ruoergai Grassland Black Soil Beach Management Phase II Project

In May 2022, the grassland project team launched the Ruoergai Herdsmen's Participation in Grassland Black Soil Beach Management Phase II project. The Phase II project focused on further consolidating the effectiveness of grassland restoration based on the grassland restoration led by herdsmen in the Phase I, optimizing the maintenance function of the restored grassland for biodiversity through strengthening the landscape connectivity between the restored grassland patches, further monitoring the ecosystem service benefits of community participation in the grassland restoration project, and sharing knowledge and experience learning from the "nature based" grassland restoration method to herdsmen affected by alpine meadow degradation in the Sanjiangyuan Region.



Training made by grassland project team for herdsmen

Communication of Achievement Images of Conserving the Sanjiangyuan Region

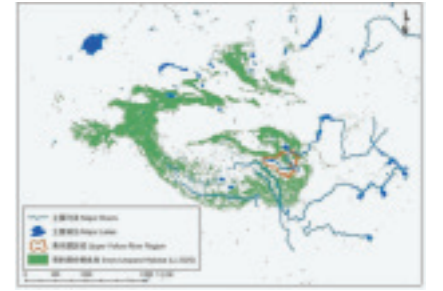
In June 2022, the SEE Conservation Sanjiangyuan Project Center supported the Tibetan Ecological Image Youth Training Center and launched the Sanjiangyuan Community Protection Image Communication Plan. At the beginning of October, the project team completed the documentary of "See Sanjiangyuan by Myself" summer study tours, which tells and records the changes in the surrounding environment and culture from the perspective of herdsmen students; at the same time, shows the "Sanjiangyuan" in their eyes to the public. In November, the documentary See Sanjiangyuan by Myself was shortlisted for the 3rd Exhibition of Ethnic Film and Anthropology Works, and completed the exhibition in Shanghai in early December.



See Sanjiangyuan by Myself documentary sharing in Jinan University

Publicity of Monitoring and Protection of Snow Leopards in the Source Region of the Yellow River

In July 2022, the Jointly Building the Yellow River Source Snow Leopard Ecological Education Exhibition Hall with the Community project was officially launched, establishing two community-centered movable Snow Leopard ecological community education centers in the Yellow River Source Region, with Snow Leopard image exhibition and experience. Every year, ecological nature education and experience activities will be carried out to introduce the ecological knowledge on Snow Leopard, and the significance of Snow Leopard protection and its ecosystem protection to the community, enabling community herdsmen to better understand the importance of Snow Leopard protection, pay attention to the relationship between Snow Leopard and other large carnivores and herdsmen, and understand how to handle problems encountered between wildlife and herdsmen.



Role of the Yellow River Source Region in the Global Snow Leopard Habitat

Partner Cases

Shan Shui Conservation Center

In 2010, XIAO Lingyun graduated with a master's degree from Sweden and returned to China. He joined the "Shan Shui Conservation Center" team and devoted herself to research on wildlife conservation in the Qinghai-Tibet Plateau. The following year, with a collaborative project between the Shan Shui Conservation Center and the School of Life Sciences at Peking University, she arrived at the Qinghai-Tibet Plateau at an altitude of over 4,000 meters and began researching in this remote and blank ecological virgin land. Then, she stayed there for ten years.

As a member of the Snow Leopard monitoring team of Sanjiangyuan, XIAO Lingyun's task is to conduct trace investigation through infrared cameras and accumulate basic data of Snow Leopard. She found that the biggest problem in the research and protection of Snow Leopard and even many large animals in China is the lack of background data. The Sanjiangyuan Region has an extremely wide hinterland area, and the Snow Leopard habitat has a cold climate and inconvenient transportation, leading to the high cost of carrying out investigation on Snow Leopard, and making it difficult to carry out continuous monitoring for years. "If it is necessary to accumulate basic data on Snow Leopard and establish a long-term monitoring system, it is obviously not possible to rely solely on a few researchers. The best method is to train local herdsmen." In this context, XIAO Lingyun first proposed the concept of "community monitoring method".

For how to choose the location where the Snow Leopard activity is frequent to place the infrared camera, XIAO Lingyun proposed the need to "think like an animal". She investigated the pits, feces, and footprints left by Snow Leopard, felt its state in the wild, and considered its daily meals, where it sleeps, and where it avoids risks. XIAO Lingyun carefully identified the shape, size, and other characteristics of each Snow Leopard's spots in the captured images, established a model, and inferred the population size and other information; and filled many research gaps in the relationship between Snow Leopard and Bharal (*Pseudois Nayaur*), as well as the relationship between Snow Leopard and grazing and grassland.

Snow leopard and wildlife conservation may sound distant, but from the persistence of XIAO Lingyun and herdsmen monitors, we can feel the mission and feelings of rooting in the wilderness and respecting our homeland.

Ecosystem Conservation

Conserving the Sanjiangyuan Region **Civil Protected Areas**

Civil Protected Areas are nature protected areas governed or managed by private institutions, communities, or individuals to promote nature conservation and sustainable development. The SEE Foundation's Civil Protected Areas project aims to establish and enhance the protection and management capabilities of local teams, closely cooperate with local authorities and communities to carry out patrol and monitoring, reduce threats to the protected area (such as poaching), grasp the changes in the number of main protected species in the area, promote the development of green industry and nature education in surrounding communities, and build a harmonious relationship between the protected area and the community, and promote the conservation of biodiversity in the region.

Project Achievements in 2022

500km²
Protected area

6
Protected areas

- Wuqinzhang, Huidong County, Guangdong Province
- Xinlong County, Garzê, Sichuan
- Yangxian County, Shaanxi Province
- Qiuqianjia, Jingyuan County, Ningxia
- Anzi River, Chongzhou, Sichuan
- Mêdog County, Tibet

Xinlong Public Welfare Protected Area © JIN Yuyi

Annual Progress

Project Implementation Agency of Wuqinzhang Protected Area: Huidong Natural Ecology Protection Promotion Association

Located in the branch of Lianhua Mountains in the Southeast Guangdong, Wuqinzhang Protected Area is home to a variety of rare and endangered wild animals and plants, such as Chinese Pangolin (*Manis Pentadactyla*), Spotted Linsang (*Prionodon Pardicolor*), Small Indian Civet (*Viverricula Indica*), Chinese Serow (*Capricornis Milneedwardsii*), Big-Headed Turtle (*Platysternon Megacephalum*), and Paphiopedilum Purpurea, and is a high conservation value area with rich biodiversity.

Through one-year infrared camera monitoring and line transect survey, 98 fresh (within a year) Pangolin caves and foraging traces were recorded, and 112 Pangolin videos were obtained. Through further data analysis, it is found that the relative abundance index (RAI) of Chinese Pangolin during the period from June 2021 to June 2022 is 5.07, indicating that the relative abundance of Chinese Pangolin in the Protected Area has increased compared with the single species index of 4.36 in the same Area in the same period of 2019 to 2022.

680

People in daily patrols

2,462km

Patrol mileage

12cases

Reporting and assisting in handling illegal poaching and other incidents



Wild Chinese Pangolin captured by infrared camera © LI Cheng

Local Implementation Agency of Xinlong Protected Area: Chengdu Aisiyi Ecology Conservation Center

Located in Xinlong County, Garzê Tibetan Autonomous Prefecture, Sichuan Province, Xinlong Protected Area is an area with the largest distribution of felid known in China. Through the establishment of a scientific and systematic monitoring grid, 6 felid species (Snow Leopard, Leopard, Golden Cat (*Pardofelis Temminckii*), Chinese Mountain Cat (*Felis Bieti*), Eurasian Lynx, and Leopard Cat (*Prionailurus Bengalensis*)) were recorded, and the rare images of Chinese Mountain Cat and Golden Cat with their cubs were taken for the first time. In addition, the development and implementation of the Felid in My Hometown series of nature education courses have improved local students' awareness of the rare animal resources in their hometown and enhanced their sense of honor in their hometown.

718

People in daily patrols

3,282km

Patrol mileage

300+

Poaching ropes removed in the protected area



Monitoring picture of Chinese Mountain Cat with cubs

Local Implementation Agency of Anzi River Protected Area: Beijing Hongshi Qingye Natural Ecological Technology Co., Ltd.

The Anzi River Protected Area is located in the Chongzhou General Station of Giant Panda National Park, where there are 40 species of national key protected wild animals, such as Giant Panda (*Ailuropoda melanoleuca*), Snow Leopard, Golden Snub-Nosed Monkey, Sichuan Takin (*Budorcas Taxicolor*) and Sambar Deer (*Rusa Unicolor*).

By placing infrared cameras, we monitored and recorded 56 species of wild animals, including 5 species of national first-class protected wild animals such as Giant Panda and Snow Leopard, as well as 22 species of national second-class protected wild animals such as Red Panda (*Ailurus fulgens*) and Black Bear (*Ursus thibetanus*). In addition, the project collaborated with the community and the Giant Panda National Park to build an art beehive exhibition area, and completed the drawing of 15 beehives, assisting in the sustainable development of the community.

174

People in daily patrols

581km

Patrol mileage

10

Poaching ropes removed



Making artistic beehives © ZHANG Ziyue

Qiuqianjia and Metok Gedang Protected Areas

The Qiuqianjia Protected Area is located in Jingyuan County, Guyuan City, Ningxia Hui Autonomous Region, in the south of the mountains on the east side of Liupan Mountains. The breeding population of North China Leopard (*Panthera pardus japonensis*) lives in Liupan Mountains Area. The protection of North China Leopard here will play an important role in providing provenance for the ecosystem restoration in Northwest China.



Leopard, photographed in Liupan Mountains, Ningxia

The Metok Gedang Protected Area is located in the southeast of the Tibet Autonomous Region, in the lower reaches of the Yarlung Zangbo River and on the southern slope of the eastern end of the Himalayas. It is known as the "natural museum" and "plant gene kingdom" due to its rich biodiversity, which is called as the "world biological gene bank".



Photography in the Metok Gedang Protected Area: WANG Xin

Remarks from Partners



JIN Yuyi

Project Coordinator of Xinlong Protected Area

Xinlong County, Garzê, Sichuan Province, is famous as the "Seven Cat Kingdom". "Chengdu Aisiyi Ecology Conservation Center" has been focusing on Xinlong County since 2019, supporting the community with local forestry departments to carry out conservation work, and promoting the official launch of the Protected Area in Ant Forest in 2021.

When carrying out work, the project team is more diverse and compatible, learning from each other, actively communicating, and solving problems together with the local community. In traditional Tibetan culture, there is compassion for life, and the people are restraint in resource utilization in their production and life, which enables protection work to be solidly implemented and protection awareness to take root in their hearts. I believe that with the concerted efforts of everyone, the "Seven Cat Kingdom" will continue to prosper, and the people within the "Seven Cat Kingdom" will also live and develop better.

Expert Commentary



HUA Yan

Professor-Level Senior Engineer of Guangdong Academy of Forestry (Pangolin Conservation Research Center of National Forestry and Grass Administration)

The Wuqinzhang Protected Area in Huidong, as the first protected area for the critically endangered Chinese Pangolin in China, has high conservation value and great social influence. The Chinese Pangolin is a species that has been widely concerned at home and abroad in recent years. Its conservation achievements, on the one hand, have a positive significance for the survival of this species, and on the other hand, reflect the efforts made by the government and the people in biodiversity conservation in China. Over the past year, Wuqinzhang Protected Area has achieved remarkable results, formed a relatively mature conservation method, and obtained preliminary Pangolin distribution data. Illegal behaviors such as poaching in this Area have been effectively curbed, and community residents' awareness of species conservation has been significantly improved. The project focuses on cooperation with government departments and research institutes in terms of implementation, which has attracted more attention and support for Wuqinzhang. Overall, the Wuqinzhang Protected Area project is a successful case that demonstrates the effectiveness of conservation.

Local Projects of Project Centers

SEE has long been paying attention to species conservation issues. With the help of established conservation networks, project centers in various regions combine local ecological resources to carry out scientific based ecological conservation activities, protect rare and endangered wildlife, ecosystems, and genetic diversity of species, promote public awareness of environmental protection, and guide and promote the formation of environmental protection behavior among citizens.

North China Project Center

Population Conservation of North China Leopards (*Panthera pardus japonensis*)

The North China Project Center continued to support the "Bring Leopard Home" project, and confirmed that the number of North China Leopard individuals in Heshun within five years was 62-128; *Heshun's Wildlife Friends* was published, a public advocacy video database was built, and 32,000 pieces of material were input and edited. Two seminars on the Bring Leopard Home project were held to make suggestions for the species conservation and habitat ecological restoration of the North China Leopards.



Record the whereabouts of North China Leopards in Heshun

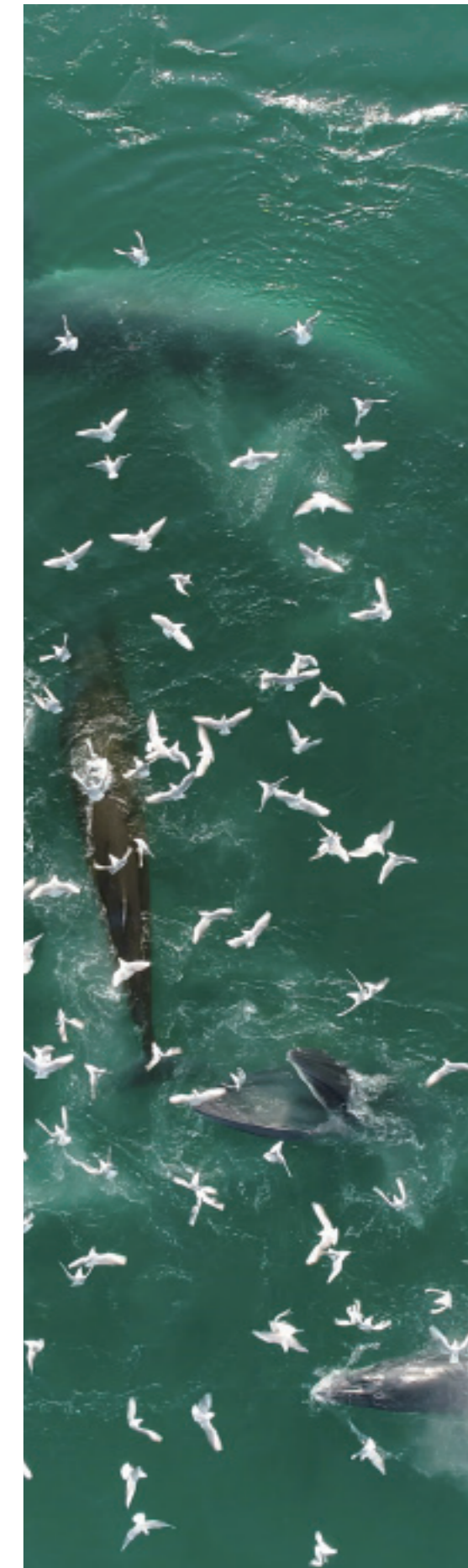
Pearl River Project Center

Chinese Pangolin (*Manis pentadactyla*) and Habitat Conservation

This year, the Wuqinzhang Protected Area in Huidong County, Huizhou City, Guangdong Province was successfully launched on Alipay's "Ant Forest", becoming the first public welfare protected area with Chinese Pangolin as the representative species. Netizens can claim the corresponding area of the protected area through the "green energy" accumulated by low-carbon life, and act as the guardian of Pangolin. At the same time, the Hikvision Donated Equipment Installation, Operation and Maintenance Project in Huidong Chinese Pangolin Protected Area, funded by the Pearl River Project Center, upgraded the intelligent monitoring and protection system of the Wuqinzhang Chinese Pangolin Protected Area through professional installation, commissioning and continuous maintenance management of Hikvision donated equipment and systems, and provided intelligent solutions for protected area management and community human-wildlife conflict resolution.



Chinese Pangolin © ZHANG Han, Xizi River Ecological Conservation Center



Collective predation scene of Bryde's Whale (*Balaenoptera brydei*)

Conservation of Yellow-Breasted Bunting (*Emberiza Aureola*)

In the 2022 "Joint Investigation and Monitoring Action of Yellow-Breasted Bunting Wintering Sites in Guangdong", it was found that Yellow-Breasted Bunting individuals were first recorded to overwinter in Zengcheng District, Guangzhou through continuous observation and recording by volunteers. This discovery has attracted the attention of local media in Zengcheng, as well as dozens of central and provincial-level media and websites in Guangdong, including People's Daily, China News Agency, and Guangzhou Television News.



Yellow-Breasted Bunting © ZHEN Jun

Hunan Project Center

"Live with David's Deer" East Dongting Lake Biodiversity Conservation

On June 19, the "Live with David's Deer (*Elaphurus davidianus*)" East Dongting Lake Biodiversity Conservation project was inaugurated. The project team increased the monitoring frequency of David's Deer, conducted 7 surveys on the population distribution and habitat of David's Deer, monitored 23 active groups, and conducted 10 habitat patrols, with a total of more than 2,000 kilometers of patrols, and rescued 2 David's Deer. The project team recorded the survival status of the David's Deer population in East Dongting Lake under the influence of the bad environment, providing an effective basis for the protection of the wetland ecosystem of Dongting Lake with David's Deer as an example.



Launching ceremony of the "Live with David's Deer"

Guangxi Project Center

Conservation of White-Headed Langur (*Trachypithecus leucocephalus*) in Qunan

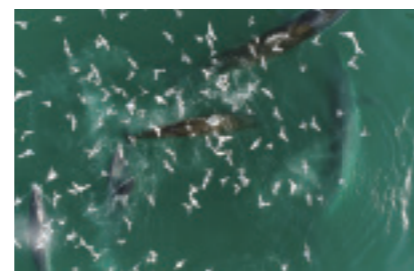
The Guangxi Project Center supported Professor DU Qin's team from Guilin University of Technology to carry out research on the field migration characteristics of White-Headed Langur in Qunan Community Protected Area and the site selection model of ecological corridor. During the year, 2 White-Headed Langur patrol activities were carried out, 2022 Qunan Karst Plateau Plant Scientific Research Camp were completed, and the *Three-Year Action Plan for the Conservation of White-Headed Langur in Qunan Village* and the *Research on the Conservation and Management Mode of White-Headed Langur in Qunan Village* were completed.



Launching ceremony of White-Headed Langur Conservation Publicity Week

Investigation, research and conservation of Bryde's Whale

The Guangxi Project Center supported Guangxi Academy of Sciences in carrying out long-term monitoring and protection of Bryde's Whale on Weizhou Island in the North Sea, established a database for identifying the individual characteristics of 56 Bryde's Whale, completed the *Report on the Impact of Fishing and Watching Whales in the Sea Area of Weizhou Island*, and carried out 6 nature science lectures and nature observation activities in the intertidal zone, with 330 participants in total.



Bryde's Whale preying

Sichuan Project Center

Bring Pandas Home

Based on four years of experience in carrying out habitat restoration of Giant Panda in Sichuan, the drafting of the *Technical Regulations for Habitat Restoration of Sichuan Giant Panda National Park* was completed in 2022. During the year, the project team went to Daxiangling Mountains, Xiaoxiangling Mountains, Minshan Mountains and Liangshan Mountains restoration units for many times to carry out field survey and restoration monitoring of habitat. In addition, the "Seminar on Giant Panda Habitat Restoration in Liangshan Mountains and Xiaoxiangling Mountains and Nature-based Solution (NbS) Forest Ecosystem Restoration" project kick-off meeting was held in cooperation with Sichuan Provincial Forestry and Grassland Administration, with a view to better promoting the restoration of Giant Panda habitat in Liangshan Mountains.



Forest and Brush Clearing in Xiaoxiangling Mountains project site

Feline Conservation in Xinlong

In 2022, the Sichuan Project Center focused on promoting the cooperation between the "Feline Conservation in Xinlong" project and the Ant Forest, and both sides planned to invest more than 4 million yuan in three years to support the Feline Conservation in Xinlong. It completed the signing of protection agreements with two community civil protected areas, i.e., Rengu District, Qieyi District, Wari and Yimai Protected Areas in Xinlong County, established patrol and monitoring teams, and equipped 150 infrared cameras and 15 sets of patrol clothing in monitoring sites. It conducted 359 daily patrol operations and collected over 70,000 pieces of data, captured 85 species of wild animals, effectively collecting information on the biological resources within the protected areas.



Feline Conservation in Xinlong

Chongqing Project Center

Thousand Birds and Yangtze Sturgeon (*Acipenser dabryanus*) - Yangtze River Ferry Nature Lectures

In 2022, the "Thousand Birds and Yangtze Sturgeon - Yangtze River Ferry Nature Lectures Project" was successfully completed. This project carried out the fish and bird science popularization lectures on the Yangtze River ferry, and the routes included "Hongyadong-Danzishi", which attracted the attention and active participation of parents and children, and college student volunteers. Combined with the environmental education toolkit *Send Yangtze Sturgeon Home* and the picture book *Yangtze Sturgeons Baby's Adventure*, 15 activities were held, with about 1,000 people participating.



Thousand Birds and Yangtze Sturgeon - Yangtze River Ferry Nature Lectures

Ningxia Project Center

North China Leopard (*Panthera pardus fontanierii*) and Medium-Large Sized Animal Conservation in Liupan Mountains

The "North China Leopard and Medium-Large Sized Animal Conservation in Liupan Mountains" project systematically studied the current situation and development trend of large and medium-sized mammals represented by North China Leopard in Liupan Mountains, providing scientific basis for biodiversity conservation and management. During the year, the Center organized the construction of Liupan Mountains Wildlife Rescue Station and the publicity of Liupan Mountains wildlife.



Publicize the conservation of wild animals and plants in Liupan Mountains

Zhejiang Project Center

Investigation into Chinese Warty Newt (*Paramesotriton chinensis*) in Hangzhou City

The Zhejiang Project Center and the Hangzhou Yuanxiang Wildland Ecological Protection and Research Center launched the investigation into the national second-class protected animal - the Chinese Warty Newt in Hangzhou City, organized 3 amphibian science popularization night watching activities, and produced the first *Periodic Investigation Report on the Distribution and Threatened Status of Chinese Warty Newt in Hangzhou City*, which filled the investigation gap of Chinese Warty Newt in Hangzhou and promoted local protection.



Public night watching activity in Hangzhou Botanical Garden for the Investigation of Chinese Warty Newt

Liaoning Project Center

Conservation of Spotted Seal (*Phoca largha*) in Liaodong Bay

During the year, the project partner, Panjin Wetland Protection Association, continuously monitored the number of Spotted Seals and their landing points every week. On April 1, 253 Spotted Seals were monitored, 72 more than the landing number monitored in the same period last year. The earliest landing time of Spotted Seal observed in autumn was 5:56 on September 9. On that day, 13 Spotted Seals landed at the Liaohe River Estuary, which was the earliest record of Spotted Seal landing time in autumn. In the case of serious COVID-19 pandemic, the project partners went to sea 11 times to take aerial photos and monitor the target sea area, and regularly patrolled the coast. Based on the collected data, a monitoring report was prepared, which was cited by the Panjin Oceanic Administration and Forestry and Wetland Administration for project application.



Spotted Seal detected in the icing area of Liaodong Bay

Taxus chinensis population return protection in northeast China

In 2022, members of the project team found a scattered population of Taxus Chinensis (*Taxus Cuspidata Siebold & Zucc.*) in the mountainous areas of eastern Liaoning (Kuandian County) during the field scientific research of searching for wild Taxus Chinensis. After nearly three months of scientific research, positioning and statistics, 313 strains were determined. After statistical analysis, it was found that the population growth of Taxus Chinensis was worrying, 40.58% was in poor growth, and some even were dying. Later, the project team took different protection measures for Taxus Chinensis with different health status to promote the healthy growth of Taxus Chinensis in different periods.



Taxus Chinensis

Xinjiang Project Center

Botanical Society in Nature

The Project Center carried out the whole plant investigation in Altay Prefecture, finding the newly recorded national species Delphinium (*Delphinium Grandiflorum*), and discovering the national second-class key protected plant Cypripedium (*Cypripedium Calceolus*) in Xinjiang for the first time; participated in the compilation meeting of the List of Key Protected Plants in Xinjiang sponsored by the Xinjiang Botanical Society, and proposed to add Lilac Lotus (*Trollius Lilacinus*) as the first-class protected plant in the autonomous region and several other plants to the list.



Investigation of newly discovered species *Cypripedium calceolus* in the State-owned Forest Administration of Altai Mountains

Conservation and Population Revitalization of Featured and Excellent Plants in the Wild Fruit Forest of Tianshan Mountain

During the year, the project introduced a large amount of forest fruit resources of Tianshan Mountain, and planted nearly 1,000 seedlings, with an operating area of 1.33 hectares; removed more than a thousand mounds of weeds, with an operating area of 0.33 hectares; and implemented measures such as manual pruning, pile cutting, and tree sawing, with an operating area of 1.33 hectares. In addition, Xinjiang Wild Apple (*Malus sieversii*), Xinjiang Wild Apricot (*Prunus armeniaca*), Xinjiang Wild Hawthorn (*Crataegus chlorocarpa*), and Wild Cherry Plum (*Prunus divaricata*) distributed in Xinjiang were investigated, and branches, leaves, fruits, and other organs were collected by classification, and made into specimens for preservation and recording.



Removing weeds

Population Conservation and Research of Ili Pika (*Ochotona iliensis*)

The Xinjiang Project Center completed the "2022 Whole Investigation of Ili Pika Distribution Area", completed the field survey and infrared camera monitoring tasks of the Ili Pika Protected Area in Jinghe County and the Glacier No.1 Protected Area in Tianshan Mountains, Nanshan, Urumqi, and assisted in the construction of the Publicity and Education Base of the Ili Pika Protected Area in Jinghe County and the Friendly Product Exhibition Center of the Protected Area; and obtained the image data of Ili Pika storing food in autumn for the first time, and successfully completed the 8-year research on Tianger Black Pika (*Ochotona Nigritia*). 46 pieces of gene material were isolated from collected fresh feces of Ili Pika, which proved that Tianger Black Pika is a variant with coat color variation of Ili Pika.



Ili Pika

06 CHAPTER 06

Marine Conservation

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| Fishing in the Blue Sea | 073 |

UN Sustainable Development Goals





Blue Sea Elves

(Marine Flagship Species Conservation)

The Blue Sea Elves (Marine Flagship Species Conservation) project is a collaboration between the SEE Foundation and its partners to help realize the Kunming Declaration by protecting marine flagship species such as sea turtles, Chinese white dolphins, Bryde's whales, etc., conserving their critical habitats and migratory corridors, conserving more marine species through the umbrella effect of the flagships, and driving more public power to pay attention to and support the conservation of marine biodiversity.

Project Achievements in 2022

340⁺

Cumulative Patrols Performed

6

6 important sea turtle nesting sites, habitats where patrols and scientific research are carried out

2

Sea Turtle release activities

12

Sea Turtles released

9

Science outreach activities

241

person-times People participating in science outreach training

350⁺

Chinese White Dolphins Protected

4

Satellite-tracked Sea Turtles

©Ace Wu

Annual Progress

Marine Flagship Species Conservation

Continuously carried out Sea Turtle patrol and scientific research work

The SEE Marine Conservation Project Team cooperated with the Sansha Marine Reserve Administration, Xiamen University, Hainan Normal University, Guangdong Aquatic Wildlife Rescue and Science Outreach Base and other public welfare partners to support community patrolmen and scientific researchers to carry out patrol and scientific research work in 6 important Sea Turtle nesting grounds and habitats, with more than 340 cumulative patrol recorded, improving the ability of Sea Turtle scientific research and rescue.

SEE continuously carried out Satellite tracking of Sea Turtles, and built a Sea Turtle positioning and tracking data platform and visualization system to promote the development of information technology for Sea Turtle conservation. Two public Sea Turtle release activities were conducted in Guangdong and Fujian, with 12 Sea Turtles released. Satellite tracking and DNA analysis were conducted on 4 of them to study their ecological habits and identify key migration corridors, providing scientific guidance and policy recommendations for targeted conservation actions.



Sea Turtle "Laixi" returning to the sea with a SATELLITE tracker

Construction of Chinese White Dolphin (*Sousa Chinensis*) Nature Education Base

In Sanniang Bay, Guangxi, the SEE Foundation collaborated with its partner Beibu Gulf University to carry out the scientific dolphin watching eco-tourism project, and continued to carry out the daily patrol of Chinese White Dolphin in Sanniang Bay. The construction of the Chinese White Dolphin Conservation and Nature Education Base was completed, and 9 science popularization activities were carried out, with 241 person-times participating in science popularization. Public science popularization was carried out through live streaming, short video, documentary and other media channels, with more than 10 million person-times watching.



Chinese White Dolphin Science Popularization Classroom in Sanniang Bay, Guangxi providing nature science education for students

Project Progress of Project Centers

Taiwan Project Center

East Coast Cetaceans Conservation Program

In 2022, the Taiwan Project Center conducted the cetaceanecological survey in the waters of Hualien, Taiwan, completing a total of 9 surveys of common cetacean habitats; and completed the analysis of surface scars on 50 Patterned Dolphins (*Grampus griseus*), and produced an "illustrated handbook on scars" based on the results, forming basic data such as "witness records on cetaceans" and "identification plan of cetacean through photo ID", and providing a basis for understanding the social structure of cetacean from individuals to groups, and even the entire population. Through continuous investigation and retrospective analysis of the causes of surface scars on cetacean, it can be served as a law enforcement basis for future development of "whale watching regulations" and other related content, improving the effectiveness of whale conservation in Taiwan, and proposing solutions for the sustainability of marine ecological resources.



Patterned Dolphin

Pearl River Project Center

Investigation and Conservation of Chinese White Dolphin and Finless Porpoise in Guangdong Coast

During the implementation of the project, more than 50,000 photos were collected through 61 days of marine investigation, and 3,019 and 650 Chinese White Dolphins were identified in the Pearl River Estuary and Zhanjiang Waters respectively (3,669 in total). At the same time, the "Guangdong-Hong Kong-Macao Greater Bay Area Marine Planning Database (Phase II)" project has collected information on 443,700 hectares of 15 Biodiversity hotspots and 40 national, provincial, city and county level nature reserves in Guangdong Province. In addition, the Large World at the Boundary of Land and Sea course replication and large-scale project has created a marine nature education course. In 2022, the Blue Lecturer Training entered version 3.0, with a total of 22 students selected to participate in the training. In the end, 18 blue lecturers successfully graduated and became advocates of marine conservation.



Chinese White Dolphin © LIN Wenzhi

Action for Azure Oceans

(Critical Marine Ecosystem Conservation)

The Action for Azure Oceans (Critical Marine Ecosystem Conservation) project helps and drives public welfare forces to participate in the protection of key marine ecosystems such as mangroves, seaweed, salt marshes, and coral reefs through the SEE Foundation's social platform, promoting the health and ecosystem service functions of marine ecosystems, and enhancing the ability of local communities to respond to climate change. At the same time, through international cooperation, we aim to achieve the goal of protecting 1% of the world's key marine ecosystems and help achieve the goal of "protecting over 30% of the global ocean area by 2030" (30x30 target).

Project Achievements in 2022

74.33 ha.

Mangrove ecosystem area restored

34.33 ha.

Mangrove area monitored

21,000 ha.

Mangrove area monitored

Annual Progress

Launch of the "Action for Azure Oceans"

Throughout 2022, the SEE Marine Conservation Project collaborated with public welfare partners to carry out the conservation and restoration of mangrove ecosystems with local communities in Fuding, Luoyuan, Fugong, Fujian and Zhanjiang, Guangdong, with the monitoring area exceeding 21,000 hectares, the patrol area exceeding 226 hectares, the restoration area exceeding 73.33 hectares, and the direct and indirect beneficiaries exceeding ten million. Seagrass bed is another typical coastal wetland ecosystem concerned by the "Blue Sea Campaign". In 2022, the SEE Marine Conservation Project Team and public welfare partners carried out scientific research and conservation exploration of seagrass bed in Weihai, Shandong, Caofeidian, Hebei, Dalian, Liaoning, Haikou, Hainan and other places, with the research and conservation area in the country exceeding 5,000 hectares, and the restoration and planting area in Dongchu Island, Weihai reaching 34.33 hectares. The project team will continue to carry out the research on key marine ecosystems such as mangrove and seagrass bed, identify conservation and restoration of vacant land, and collaborate with public welfare partners to carry out conservation and restoration actions.



Strategic Cooperation Agreement signed between SEE Foundation and the Third Ocean Research Institute of the Ministry of Natural Resources



Survey on mangrove restoration conducted by SEE Foundation staff

Fishing in the Blue Sea

(Sustainable Fisheries)

The Fishing in the Blue Sea (Sustainable Fisheries) project ensures the sustainable food supply of our oceans by reshaping sustainable fisheries management; promotes international cooperation to combat IUU, reduces overfishing of fishery resources, carries out pilot projects such as discarded fishing gear recycling and fishing gear optimization, optimizes fishery production operations, conducts capacity building to enhance the sustainable livelihood development of fishermen's communities, and protects over 5% of global fishery resources.

Project Achievements in 2022

2

Pilot projects for discarded fishing gear

4

Cooperative communities

4.5t

Discarded fishing gear recycled

41

Ocean partners supported

Annual Progress

Sustainable Fisheries and Migratory Bird Conservation Action in Mudflat Wetlands

In 2022, the SEE Marine Conservation Project together with its public welfare partners carried out Sustainable Fisheries and migratory bird conservation action in mudflat wetlands in Rudong, Jiangsu Province, the main natural distribution area of famous high economic value shellfish (clam, etc.), and also an important area on the migration corridor of rare migratory birds and fishes. Through three quarters of benthic surveys, migratory bird monitoring, community fisherman surveys, and public volunteer science popularization campaigns, ecological threats in the area were identified, providing scientific guidance and policy recommendations for the local community's industrial upgrading and transformation towards sustainable and environmentally friendly fisheries and aquaculture development.



Benthic sampling and community research conducted by SEE Foundation staff and partners

Recycling and Reusing of Discarded Fishing Gear

Discarded fishing gear, also known as "ghost fishing gear", accounts for more than 10% of the total amount of global marine garbage, and more than one million marine creatures die every year because of its entanglement. The SEE Foundation Marine Conservation Project continued to carry out pilot projects for community discarded fishing gear recycling and exploration of reusing models. In 2022, fishermen were encouraged to actively recycle and salvage nearly 2,000 kilograms of discarded fishing gear, and the model will be further promoted. Project research and expansion were carried out in other regions such as Dongshan, Fujian and Zhoushan, Zhejiang to reduce the negative impact of fishing activities on marine ecology.



Community promotion of discarded fishing gear conducted by Tangmen Community patrolmen



“Blue Sea Champion”– Support to Ocean Partners

China Marine NGO Forum

In 2022, the SEE Foundation, in collaboration with public welfare partners, hosted the 4th Marine Public Welfare Forum, which discussed marine environmental protection issues of common concern, such as marine conservation and blue economy revitalization, sustainable utilization of fishery resources and the guarantee of blue granaries, marine ecological conservation and climate change response, the achievement of the dual carbon goals and the conservation of marine biodiversity.



The 4th China Marine NGO Forum

Launch of the “Action for the Sea”

In March 2022, the SEE Foundation and its public welfare partner GEI jointly launched the "Action for the Sea" grant program, focusing on the field of marine conservation in China, supporting and promoting the development of social welfare organizations for marine conservation in China in key areas, while enhancing the capacity and influence of public welfare organizations for marine conservation in China. The "Action for the Sea" Phase I has supported a total of 16 marine conservation institutions, covering Sustainable Fisheries and community development, key ecosystem conservation, and key species conservation in Guangdong, Hainan, Fujian, Zhejiang, Hebei, etc.



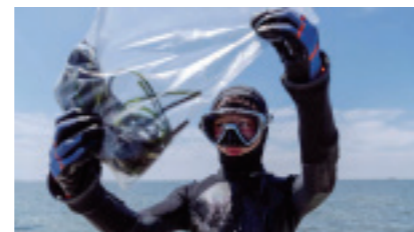
Restoration effect monitoring conducted by SEE Foundation staff and Fuding Forestry Bureau partner

Project Progress of Project Centers

Shandong Project Center

The "Sea Cleaning Action" Helps the Ecosystem Conservation of Yellow Sea and Bohai Sea Regions

In 2022, the "Sea Cleaning Action Phase III" focused on multiple issues such as marine cleanliness and nature education, and biodiversity conservation. As of December, project partners have organized nearly 100 public welfare beach cleaning and marine science popularization/nature education activities, with over 2,500 volunteers actively participating. At the same time, we supported the establishment of cetacean science popularization and rescue stations (Penglai, Qingdao), developed and tested one set of cetacean atomization rescue device, and built a cetacean rescue network along the Shandong coast; and supported the establishment of the Rizhao Seahorse Habitat Patrol Team, which conducted 22 patrols, advised 31 illegal fishing vessels to leave, and conducted 3 marine conservation publicity activities.



Sea Cleaning Action

Hainan Project Center

Science Popularization of Sea Turtle Conservation

Relying on the Sea Turtle Rescue Station and Field Research Base of Hainan Normal University, the project conducted extensive cooperation with government management and law enforcement departments, environmental organizations, enterprises, schools, communities and other forces. Focusing on the science popularization of Sea Turtle conservation, the project has compiled the Sea Turtle Conservation Manual, designed and made souvenirs, developed characteristic science popularization courses for Sea Turtle conservation, and carried out various forms of activities such as Sea Turtle Conservation in Campus, Sea Turtle Conservation in Fishing Village, etc, so as to enhance public awareness of Sea Turtle conservation, and encourage more forces to participate in Sea Turtle conservation.



Sea Turtle Classroom into Campus

68

Visits received to sea turtle rescue stations

2,522

person-times visitors received

3

Sessions of online live streaming

234

Volunteers trained

6

Sea turtles released

27

Surveys of fishing villages on islands

1,300

person-times cumulative audiences

220,000

person-times cumulative viewers

1

Survey on trade of sea turtle products

2,758

hours volunteer service duration

Remarks from Partners



ZHANG Yitao

Representative of Dongchu Island Community in Rongcheng, Weihai, Shandong

After multiple inspections and discussions, Dongchu Island, a fishing village in Jiaodong, welcomed the country's first seaweed restoration project funded by the SEE Foundation in 2022, bringing joy to the previously peaceful village. At a time when seaweed is almost disappearing, this little-known seaweed system, which plays an extremely important role in carbon sequestration, maintaining biodiversity, ensuring the output of shallow sea ecosystems, and maintaining health and stability, has been paid attention to and supported by experts and partners from the SEE Foundation. They have conducted community visits and research, collected samples from the sea, and tirelessly promoted the importance of seaweed system to the public, appealed to the government and NGOs on the urgency of protecting seaweed. With the promotion of the 2022 Dongchu Island Seagrass Restoration Project, 33 million plants have been planted on the seabed. A new green hue on the seabed has persevered in the wind and waves, paying tribute to the cutest people.

Expert Commentary



LIU Min

Professor of Xiamen University

China established the "China Sea Turtle Conservation Alliance" in 2018 and released the *Sea Turtle Conservation Action Plan (2019-2033)*. In 2021, all five species of Sea Turtles distributed in China's waters were upgraded from national second-class protected wild animals to national first-class protected wild animals, demonstrating the determination of the Chinese government to protect Sea Turtle. With the support of the SEE Foundation, the Scientific Research Team of Xiamen University, through the project of "2022 Sea Turtle Key Habitat Conservation and Scientific Release of Rescued Sea Turtle", took the Xisha Islands, China's largest Sea Turtle spawning ground, as the pilot area for research and capacity building. With the active cooperation of Sansha Marine Reserve Administration, we carried out the survey of the habitat and spawning scale of Sea Turtle spawning ground in Yongle Islands, trained local fishermen to participate in daily patrols of Sea Turtle spawning grounds, as well as data collection and organization, providing detailed data for subsequent scientific analysis. The project also tracks three Sea Turtles rescued and released in Zhanjiang City, Guangdong Province in real time through satellite tracking, grasps their migration routes and hot activity areas, analyzes potential foraging grounds, and provides scientific basis for future Sea Turtle conservation.

C7

CHAPTER

Supporting the Development of China's Civil Society on Environmental Protection

| | |
|-----------------------------------|-----|
| Green Starters | 077 |
| Growing Up Together | 080 |
| United Strength in Joint Projects | 085 |

UN Sustainable Development Goals



Green Starters

In 2012, SEE Foundation bring "angel investment" into the field of environmental protection, launched the "Green Starters Funding Plan", specifically supporting the start-up environmental NGOs, and assisting those environmental protection entrepreneurs, who care about the environment and their homes and are also full of entrepreneurial spirit, to live through their organizational start-up stage.

The "Green Starter Funding Plan" is committed to exploring and supporting the non-profit environmental protection start-up teams with organizational intentions, especially those with strong mission driving force and high concentration on environmental and social issues, so as to emerge more excellent non-profit environmental protection organizations, and promote the environmental protection industry ecology to be more healthy and diversity, ultimately achieving the goal of ecological environment conservation and sustainable development goals.

Project Achievements in 2022

48

New partners

2.88 million yuan

Funding amount

16

SEE Conservation Project Center review meetings

310.5 hours

Volunteer service duration of judges

121

Reviewers



92 Entrepreneur members

29 Public welfare funding consultants



Project Achievements Over the Years (2012-2022)

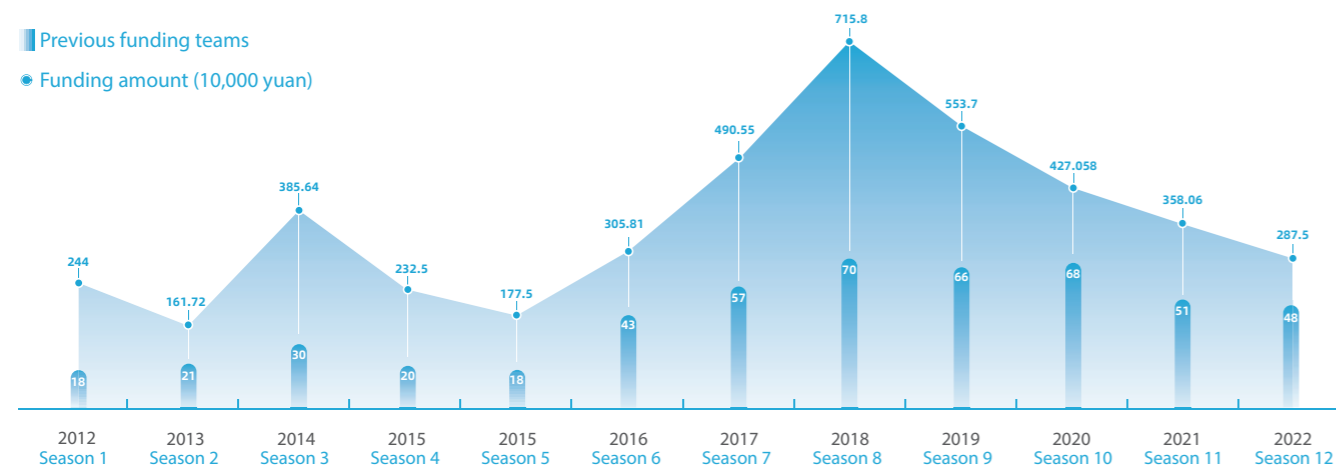
511 Projects funded

31 Provinces, cities, and regions covered by partners

43.22 million yuan Funding amount



Funding teams and amounts over the years



Annual Progress

Project Promotion: New Partner Selection and Funding

In 2022, Green Starters received a total of 165 partner applications, and ultimately 48 start-up private environmental protection agency partners were selected with a total funding of 2.875 million yuan. The selected teams are distributed in 20 provinces and regions across the country, covering environmental issues such as species and habitats, nature education, environmental education, wetland, ocean and other habitat conservation. 85.42% of the teams have completed institutional registration, of which 45.83% are registered for civil affairs (NGOs, social organizations).



Supporting environmental entrepreneurs

Public Welfare Impact: promoting cross-border participation of entrepreneurs in public welfare activities

As of December 2022, the SEE project centers has organized a total of 16 on-site or online review meetings, with 92 entrepreneur members and 29 public welfare funding consultants forming a cross-border review team, contributing a total of 310.5 hours of volunteer service.



Review meeting site

Industry Research: background survey of organizations in the environmental protection public welfare industry

SEE Foundation has launched a background survey and database construction project for environmental protection organizations in the industry with Vanke Foundation and Mingshandao. SEE Foundation has jointly completed and released the 2022 China Environmental Protection Public Welfare Organization Status Survey Report, which covers the widest range and has the largest sample size in the past decade. The report analyzes the work areas, fundraising, human resource status, and other information of 500 participating organizations in the questionnaire survey, discovering that "small and micro enterprises" are still the mainstream of the industry.



Background survey of organizations in China's Environmental Protection Civil Society

Partners' Comments



XU Jin Yiqifen Community Environmental Service Center in Chengyang District, Qingdao City

The SEE Foundation's Green Starters Project has built a platform for environmental public welfare entrepreneurs to exchange and share ideas, and we have made many like-minded friends. I'd like to express my sincere thanks for the funding from Green Starters, not only the financial support, but also the recognition and encouragement that have given us more confidence in our project. It is also through this project that we are well linked to many primary schools, as well as the district waste sorting office, streets, communities and other resources. Through this project, we gathered together to form a joint force, so that the Zero Waste Campus project has achieved positive results. It is our efforts that have positively influenced our young generation to take active action in Zero Waste.



WANG Lei Maduo Yunxiang Nature Tourism Co., Ltd.

The SEE Foundation's Green Starters is a very good project, with standardized and strict management of monthly, mid-term and final results submission. As a social company with the public welfare nature, Yunxiang Nature has the privilege of receiving funding from Green Starters, which effectively alleviates our economic pressure to undertake more public welfare work. We have used this part of funds to support community co-construction and volunteer system work, bringing fruitful results.

Expert's Comments



ZHANG Ke Senior Journalist of China Business News and Public Welfare Judge

More than a decade ago, a chance opportunity led me to intervene in the SEE Foundation's "Green Starters" project. I vividly remember that a Shandong project selected at the time was in its infancy, but its entrepreneur was passionate, which was very moving. Afterwards, I saw that with the support and guidance of Green Starters, this institution has become more and more stable, becoming an indispensable partner of the local government, enterprises, and society, and even playing a significant role in the COVID-19 pandemic. But I also saw that some projects and entrepreneurs have never appeared again. I believe that the Review Team of "Green Starters" in the future will continue to explore and innovate public welfare models and assistance methods, providing more support to "friends". In the past decade or so of participating in the review, my biggest feeling and what I want to say to my "friends" is that you must find your own positioning, choose the right track, and focus on one or two things with a down-to-earth approach.

Growing Up Together

The "GUT" growing environmental protection organization support project was jointly launched by the SEE Foundation and the Global Greengrants Funds (GGF) in December 2012. It was funded by the Mangrove Foundation (MCF), Narada Foundation, Oxfam and Xianfeng Foundation, and jointly implemented by the He Yi Institute. By accompanying and coaching key talents of growing environmental public welfare organizations, it aims to assist environmental organizations in addressing development bottlenecks during their growth process, promote breakthroughs in the direction of the "three cores" (core business, core team, and core resources), and support them to become a leading core in the region or issues, and respond more effectively to environmental issues.

Project Outcomes Over the Years (2012-2022)

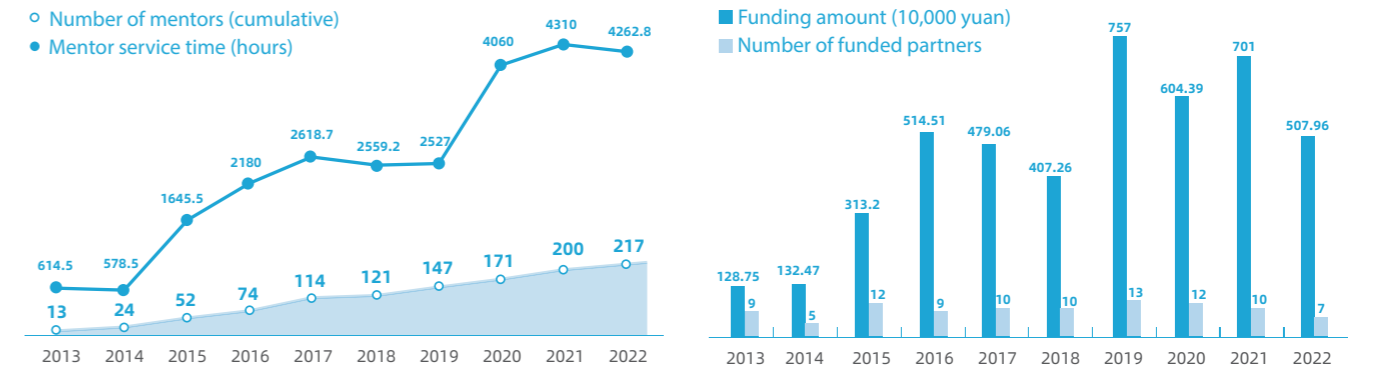
217 Total number of mentors

25,400⁺ hours Cumulative volunteer service duration

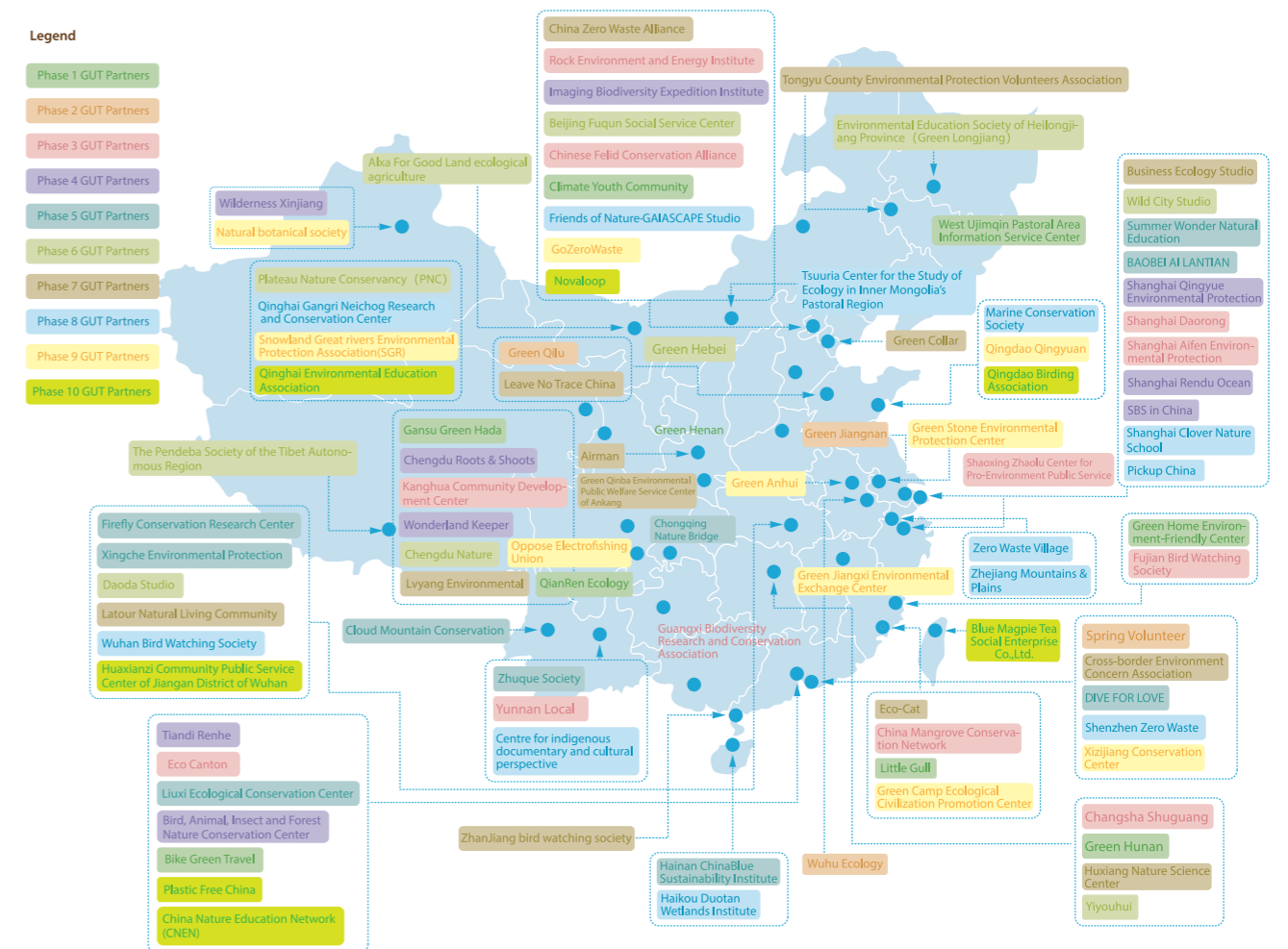
Jingcao Carnival **30⁺** Cities in which activities were carried out

70 Activities carried out

Funded teams and funding amounts over the years



Distribution Map of GUT Partners



Project Outcomes in 2022

7 New partners

5.0796 million yuan Funding amount

17 Annual new mentors

4,262.8 hours Mentor service duration

13 Partners graduated

29 Existing funded partners

7 Jingcao Carnival activities

120,000 Visitors influenced

8 million Online exposure

Annual Progress

Project Improvement and Promotion

Selection of New GUT Partners

From May 21 to 22, the 2022 GUT Annual Conference was held online due to the COVID-19 pandemic. GUT mentors, GUT partners, guests, and SEE Conservation members met online, with over 200 people online during peak hours. After candidate partner roadshows, in-depth interviews with mentors, and assessment of old partners, the final jury voted to select 7 partner organizations that meet the standards of GUT.

GUT Community

GUT completed the 5th fund management group election, and promoted community reform. The original single cooperative fund management group has evolved into the GUT Association consisting of three groups: Cooperative Fund Group, Learning and Exchange Group, Partner Conference Group and Coordination.

GUT Course

GUT completed the full coverage of the second-level content categories in the GUT course system, and formed the GUT Course Learning Management Plan (2022). SEE also conducted two themed sharing sessions to broaden our horizons, namely "How to Design a Mechanism to Mobilize Volunteer Interest - YouthSpark Plan Lecture" and "Legal Sharing on Intellectual Property Protection and Patent Application".

Project Exchange and Cooperation

Partner Visits

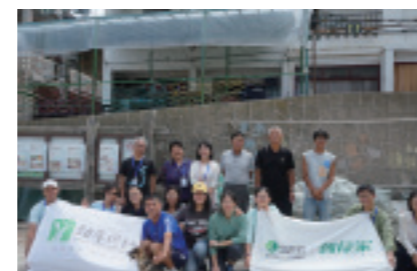
From August 17 to 21, 8 GUT mentors, project team members, and related GUT partners participated in the First Mentor Offline Visit of 2022 GUT Partner Qingdao Birding Association, 2020 GUT Partner QMCS, and 2021 GUT Partner Qingdao Qingyuan Annual Upgrade Conference. The project team provided internal self-assessment services for Qingdao Qingyuan. This is the first large-scale face-to-face communication between GUT partners and mentors since the COVID-19.



First Mentor offline Visit of 2022 GUT Partner Qingdao Birding Association

Partner Community Activity

From September 27 to 29, the Zero Waste Islands Workshop of the GUT Partner Community Activity was successfully held in Qingbang Island, Dongji Town, Putuo District, Zhoushan City, Zhejiang Province. Representatives of such public welfare organizations as the GUT Partners Zero Waste Village, Pickup China and Wuhan Huaxianzi, and Green Starters Partner Beihai Folk Volunteers Association attended the workshop. The partners investigated the island garbage problem and Zero Waste practice in Qingbang Island, shared their research results and practical experience, and carried out in-depth discussion and analysis, putting forward valuable suggestions for the development of local practice. At the same time, they gained inspiration and enhanced emotions through mutual communication, further deepening their sense of identification as the GUT partners.



GUT Partner Community Activity Zero Waste Islands Workshop

Ten-year Assessment of GUT

The ten-year assessment of GUT conducted within the year yielded the first stage of research results. The assessment found that over the past decade, GUT has gradually developed a relatively mature and effective "GUT Methodology", which effectively solves the problem of "uncertainty" by providing various "certainty" for the personal growth, business upgrading, and institutional development of GUT partners, thus better achieving project goals. At the same time, the "certainty" produced by the "GUT" project has also exceeded the role of GUT Partners and SEE Foundation, gradually forming overall influence. It not only leads the development of domestic foundation industry support sector, but also inspires more potential actors to participate in environmental public welfare organizations and actions.



Companionship and guidance of mentor are the unique growth system of GUT

Project Activities and Brand Marketing

By empowering public welfare across different boundaries, attempting to break through boundaries, we invited people from different fields with various methods such as podcasts, videos, live broadcasts, and community activities. In October, Jingcao Carnival collaborated with the Ocean Public Welfare Forum to hold the Public Activity Week, combining public welfare protection topics with different circles of people. Seven GUT partners were invited to share, and three cross-border public welfare experts participated. Two live broadcasts, one online viewing, and one offline community activity for the cooperative brand Patagonia were held, attracting a total of 46,000 viewers.



SEE Foundation and ISPO jointly launching the "Shared Natural Home" 2022 Outdoor Sustainable Theme

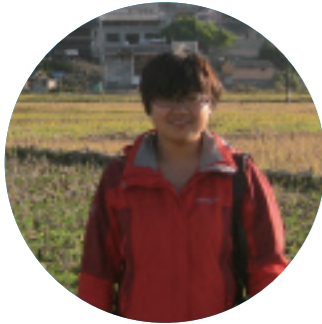
Achievements of Jingcao Carnival

A total of 7 series of activities were held throughout the year, with 30 conservation workers and celebrities bringing 21 exciting sharing events, affecting 120,000 people, with online exposure increased by 8 million, and one campus event was held. SEE Foundation completed the exploration and upgrading of the content, including the joint in-depth planning of boutique exhibitions with the Shanghai Natural History Museum, the introduction of specimens and multimedia exhibition forms for the first time, and linked with the Museum's popular science education resources to form a new content framework for the exhibition tour; explored the forms of ecological camping activities, participated in ISPO outdoor exhibitions, and achieved deep cooperation in outdoor sustainable exhibition areas. As of the end of 2022, Jingcao Carnival carried out a total of 70 activities in more than 30 cities.



Jingcao Carnival - Guilin Station

Partner's Comments



TIAN Qian

Secretary General of Zero Waste Alliance, a Phase 7 GUT Partner

In 2022, I graduated from the GUT Project, and I am particularly grateful to the GUT Project and my mentors for their support to "Zero Waste Alliance" over the past three years. The recommendations of GUT strategic diagnosis and unrestricted funding supported the completion of the new strategy formulation by "Zero Waste Alliance", which took one and a half years. Looking back now, without the support of the GUT Project, the formulation of the "Zero Waste Alliance" new strategy would not have been so smooth. Only by experiencing it firsthand can we better appreciate the value of the GUT Project. At the end of 2022, "Zero Waste Alliance" was fortunate enough to be selected for the GUT Plan B. I believe that with the help of the project team, meta studio, and GUT mentor, the "Zero Waste Alliance" strategy can be better implemented. For myself, in the last year, I joined the Fund Management Group and had more communication with partners and project team, which made me feel more familiar and supportive with each other. Finally, I wish GUT a happy 10th anniversary and explore and support more environmental partners.

Expert's Comment



TENG Peng

SEE Conservation Member and GUT Entrepreneur Mentor

What does becoming a mentor of GUT mean to us? I think it may be different for every member of SEE Conservation. In my opinion, GUT mentor means a comprehensive promotion for frontline environmental protection institutions, a supplement to our own knowledge, and a greater promotion of integration and communication with GUT partners. Every mentor of GUT is using their own practical actions to provide comprehensive support and assistance to China's vast environmental public welfare partners in various fields!

To be a GUT mentor not only means responsibility, but also means passion. 2023 will be a better start for GUT. After three years of Covid-19 pandemic, most frontline GUT partners have to cope with many difficulties. We will do our best and actively work with GUT partners to restore environmental protection work to a better state as soon as possible.

United Strength in Joint Projects

The SEE Foundation, as the largest environmental protection organization in China, has collaborated with multiple Internet platforms since 2015 to continuously provide comprehensive support to public welfare partners in the field of environmental protection. On the basis of sharing public fundraising qualifications, it provides fundraising and communication training, "one-on-one" project management support, and unrestricted fund incentives, promoting environmental welfare partners to use the core capabilities of the Internet to enhancing the progress and development of institutional fundraising business, and assisting partners in the implementation of environmental public welfare projects.

Project Achievements in 2022

16

Joint partner institutions

18

Joint public welfare projects launched

75,000⁺

Public donations for support

4 million yuan

Funding raised

100%

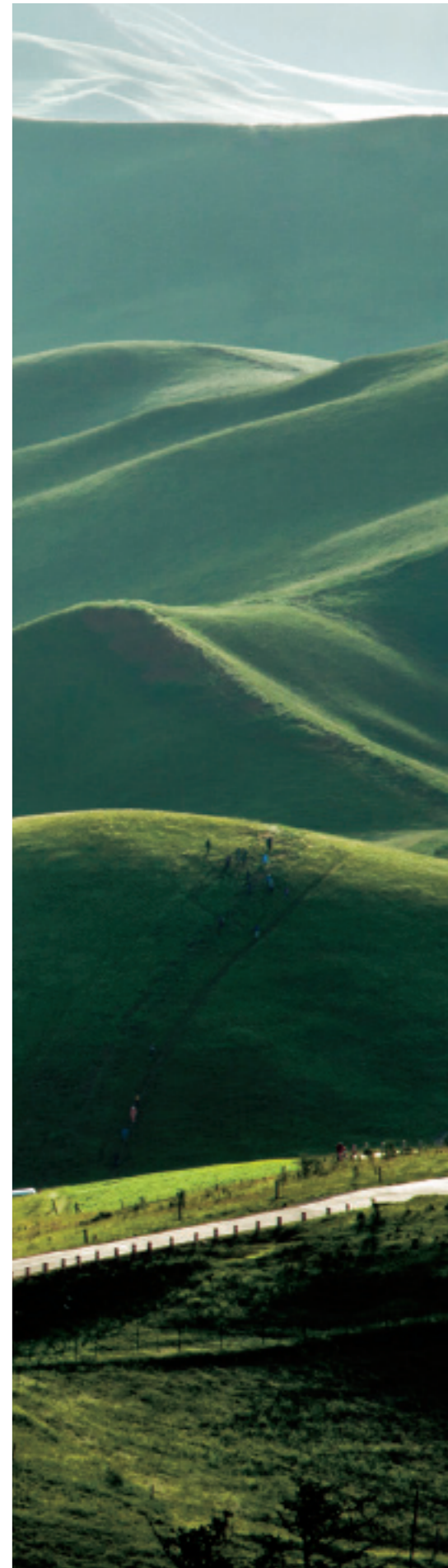
Total project disclosure completion rate

Project Support

In 2022, the SEE Foundation continued to support partners in the field of environmental protection public welfare to carry out public fundraising projects. On the basis of long-term cooperation with "Tencent Public Welfare", "Alipay Public Welfare", "Bangbang Public Welfare" and other public fundraising platforms, it added "ByteDance Public Welfare Platform" to help partners explore new paths for short video communication and fundraising. Under the four strategic frameworks of ecological conservation and nature education, climate change and commercial sustainability, marine conservation, and China's environmental protection civil society development, we have collaborated with 16 partner institutions to launch 18 joint public welfare projects. As of now, it has received over 75,000 public donations and raised funds of 4 million yuan.

Project Management

In terms of partner project management, the SEE Foundation provided "one-on-one" services to strengthen communication with partners, help partners better understand platform ideas and new regulations, exchange and share experiences, and promote sustainable development of projects. It fully tracked the partner project monitoring and follow-up, project adjustment and closure, information disclosure, and other matters, with a total project disclosure completion rate of 100%.



CHAPTER 08

Special Fund

| | |
|---|-----|
| Special Fund for "Caring for Chinese Patrolmen" | 087 |
| Special Fund for "Joy in Rural Areas" | 090 |
| Special Fund for "Scientific Releasing of life" | 093 |

UN Sustainable Development Goals



Special Fund for "Caring for Chinese Patrolmen"

Patrolmen are the most important protection force of the nature reserve base. They earn little, but patrol the mountains and forests in bad conditions, regardless of the weather, silently guarding our great rivers and mountains. However, they are a group of people outside the common view, with little attention.

The SEE Foundation's Special Fund for Caring for Chinese Patrolmen is used to support the improvement of the working conditions of patrolmen in protected areas such as insurance, outdoor equipment, and construction of patrol rooms, providing greater security for their daily patrols. At the same time, through the initiation of the Patrolmen Livelihood Project, the ability of patrolmen to carry out ecological service function restoration is enhanced. Through patrolmen demand research and patrol communication activities, their patrol ability and public influence are continuously improved to better protect species and their habitats.

Project Achievements in 2022

475

Frontline patrolmen provided with accident insurance

1,522

Patrolmen receiving TOREAD outdoor equipment as gifts

2,918 pieces

Professional outdoor equipment provided

482,571 yuan

Worth of outdoor equipment and supplies provided

439

Survey questionnaires

111,000

Audiences covered by special live streaming for "Patrolmen Day"



Annual Progress

Providing accident insurance for 475 frontline patrolmen

SEE Foundation continued to cooperate with professional insurance service agency Yibao to purchase one-year accident insurance for 475 frontline patrolmen from 22 protected areas/units in 12 provinces, municipalities, and autonomous regions to ensure their patrol work.



Outdoor patrol by patrolmen

Providing 1,522 frontline patrolmen with TOREAD outdoor equipment

SEE Conservation member enterprise TOREAD has provided material donations for the Caring for Chinese Patrolmen for the third year. During the year, 2,918 pieces of professional outdoor equipment donated by TOREAD were provided to 1,522 frontline patrolmen in 29 nature reserves in 14 provinces and cities, valued at 482,571 yuan, to support frontline patrolmen in more effective protection monitoring and patrol work.



Outdoor equipment provided by TOREAD for frontline patrolmen

Launch of the Improvement and Maintenance for Biodiversity Patrol Facilities in Laojun Mountain Project

Based on the existing local conditions and needs, the project supported and improved the patrol facilities of the habitat of Yunnan Snub-nosed Monkey in Laojun Mountain, as the main site for patrol training to carry out patrol capacity building, and the exhibition site of Laojun Mountain Yunnan Snub-nosed Monkey and Biodiversity Conservation project, to show the results of Laojun Mountain project to the public, government, community and other institutions, thus promoting the biodiversity conservation work in Laojun Mountain.



Improving the venue of Laojun Mountain community training

Summer Patrol Equipment Support for Yunnan Snub-nosed Monkey Patrolmen

During the year, the project supported the patrolmen of Xiangguqing Yunnan Snub-nosed Monkey in Yunnan Baima Snow Mountain Nature Reserve with wind and rain proof patrol equipment in summer, including hiking shoes, raincoat suits, high-capacity patrol backpacks, outdoor tarpaulins, etc., to better carry out their summer patrol work.



Providing summer patrol equipment support for Yunnan Snub-nosed Monkey patrolmen

Launch of Patrolmen Livelihood Project

The "Patrolmen Livelihood Project in Guangxi Nonggang Nature Reserve" was launched. The project will assist the Guangxi Nonggang Nature Reserve Administration in allocating 114 improved beehives to the patrolmen in six protection stations, inviting local beekeeping experts to visit the site for guidance, and organizing at least two learning and exchange activities on the appropriate breeding technology of Chinese Bee in Karst mountainous area. The project not only increases the livelihood sources of local patrolmen, but also promotes the importance of bees for natural environmental systems and agricultural ecosystems to the local community, promotes bee friendly breeding and honey harvesting methods, and promotes local biodiversity and sustainable development of the community.



Patrolmen Livelihood Project in Guangxi Nonggang Nature Reserve

Carrying out "Survey on Needs of Patrolmen"

In response to the work content and daily needs of patrolmen, a "Survey on Needs of Patrolmen" questionnaire was released on the Questionnaire Star platform, and a total of 439 questionnaire receipts were received during the year. In the later stage, a new funding plan will be developed based on the completed content, and the questionnaire content will be summarized into a research report to provide more accurate guidance for the development of the "Caring for Chinese Patrolmen" project.

Patrolmen Public Communication

On July 31, the 15th "World Patrolmen Day", we cooperated with the Monitoring Team of the Giant Panda National Park Yingjing County General Management Station to carry out live streaming activities, with 111,000 online viewers, for the purpose of increasing the social attention of the patrolmen.



Watching Pandas Together on World Patrolmen Day

Patrolmen Case

My name is BA Jie, and I am a forest ranger at the Shangyong Management and Conservation Center of Xishuangbanna National Nature Reserve in Yunnan.

My father was also a forest ranger during his lifetime. I was influenced by him since childhood and have a deep respect and affection for nature. In 2020, I started working as a forest ranger. During the patrol process, I often heard my father's colleagues talk about the interesting, joyful, and dangerous things that happened during the patrol. Their experiences deeply shocked me. The seemingly insignificant work of a forest ranger shouldered such a great responsibility. I made a deep determination to protect this land and continue my father's career.



BA Jie (Second from the right) and colleagues in patrol work

Once, we received a patrol mission that required crossing mountains to reach the core area of the Reserve. The path was steep, and the river was turbulent. After arriving at the destination, we discovered several "Mikania Micrantha" during our inspection - an invasive alien plant with strong vitality. During the cleaning process, a new colleague accidentally cut his hamstring due to work negligence, causing continuous blood flow and a pale complexion. The situation is extremely urgent. I quickly dropped what I was doing and ignored my colleague's almost equal weight, and carried him on my back and jogged all the way... It wasn't until he got into the ambulance safely that I breathed a sigh of relief. Afterwards, everyone jokingly called me "Brother Jie".

With the deepening of our work in the Reserve, our security awareness and business level are also constantly improving. The area I am mainly responsible for is from "Shangzhongliang Old Village" to "Eduo River" along the direction of "Buzuzbusha", with an average altitude of more than 1,000 meters. The area is rich in species, including Asian elephant, Sambar Deer (*Rusa unicolor*), *Pometia tomentosa*, *Dendrobium*, etc. There are also many precious wild animals and plants whose names I do not know. I am studying hard to know them, understand their habits, and protect their safety, which is my responsibility.

My father and me have worked hard to protect this green water and mountains. We are accompanied by the forest, and take the station as our home. I firmly believe that the cause of protecting mountains and forests will benefit future generations.

Special Fund for "Joy in Rural Areas"

In June 2020, the Ministry of Ecology and Environment, the National Bureau of Statistics and the Ministry of Agriculture and Rural Affairs jointly issued the *Second National Pollution Source Census Bulletin*, pointing out that there are still shortcomings in the construction of rural environmental infrastructure, rural sewage discharge has seriously affected the water environment quality of nearby rivers, lakes and surface water, and rural sewage treatment, focusing on the prevention and control of non-point source pollution, has a long way to go.

In 2019, with the support of the China International Economic and Technological Exchange Center of the Ministry of Commerce, Coca Cola and other units, the SEE Foundation established the "Joy in Rural Areas" special fund to respond to the treatment of rural domestic sewage. Through comprehensive management and protection of forests, farmland, and water, the goal of ecosystem conservation in small watersheds was achieved, providing reference case support and replicable models for social capital to participate in rural domestic sewage treatment.

Project Achievements in 2022

1

Rural drinking water source protection project initiated

1

Team of community guides formed

14

Community guide team training sessions

Annual Progress

Launch of Rural Drinking Water Source Protection in Hongxing Reservoir

The Hongxing Reservoir is located in Hanbin District, Ankang City, Shaanxi Province, which is a key assistance county for national rural revitalization. This area is also a key protected area for ecological functions, including two mountains and two rivers of the Qinling Mountains, the Bashan Mountains, the Hanjiang River and the Jialing River.

The total storage capacity of the Hongxing Reservoir is about 220,000 m³. It is the only drinking water source for over 1,400 people in two villages downstream and near the Reservoir. Its main pollution sources are rural non-point source pollution, including aquaculture pollution in catchment areas, agricultural planting non-point source pollution, rural residents' living pollution, and tourism and fishing pollution. According to local partner testing, the total phosphorus, COD, and BOD values in water quality are around category three of surface water, while the total nitrogen values are around category four to five.

Joy in Rural Areas supported Green Qinba to explore possible ways and measures to improve the quality of drinking water in this area through community participation and nature based solutions, including the establishment of constructed wetlands, grassed swales, filtration systems, etc., protecting and ensuring the safety of rural residents' water sources.



Rural non-point source pollution before cleaning up



Community participation in the construction of "S-bend" wetland

Resumption of Work and Production in Longer Community, Longzhou, Guangxi

Conducting training for community guides

Based on the implementation of Joy in Rural Areas project in Longer Village, Longzhou County, Guangxi from 2019 to 2020, through a full understanding of the overall local conditions, and an assessment of community development needs, we supported Guangxi Guoren Rural Poverty Alleviation and Development Center and Guangxi Nonggang National Nature Reserve Administration to carry out experiential training for natural guides in Longer Village, established a community guide team, and assisted them to establish an event reception framework, promoting the resumption of work and production of villagers in Longer Village, increasing economic income sources, and helping the win-win situation of rural revitalization, sustainable development, and sustainable protection of protected areas.



Community guide training

Completing the course design for community characteristic nature guidance

Together with the nature education mentor team in the protected area, we completed the course design, practice, and experience organization of on-site training for community guides. In the wet season, the nature tour in the village mainly focuses on the surrounding areas of the pond and the plants and insects in the water, as well as the experience of understanding local edible plants and food production; in the dry season, it focuses on plants and insects around the village, bird watching, jungle crossing, Karst cave skylight, picnic and camping.



Community characteristic nature guidance course

Partner's Comment



LI Pengbo

Partner of Ankang Green Qinba Environmental Protection Public Welfare Service Center

I am very happy to become a local partner of Joy in Rural Areas. Through the in-depth implementation of the one-year project, I have seen significant changes in the water quality of rural water sources, and rural residents have access to safe and clean water. As a local implementation agency, we continuously communicate and exchange ideas with the project team and expert team during the project process. For us, this is a valuable learning opportunity and the best practice place to enhance our abilities. I wish that in the new year, the Joy in Rural Areas project can solve more rural water pollution problems, provide safe and clean water for more rural residents, assist in rural revitalization, and work together to create a better future. I also thank the SEE Foundation, project team, and experts for their strong support.

Expert's Comment



ZHANG Yuanbin

Institute of Mountain Hazards and Environment, Chinese Academy of Sciences

In the extraordinary year of 2022, the Joy in Rural Areas project team overcame the numerous difficulties caused by the COVID-19 pandemic, tried every means to track the current status of the project operation, and provided targeted guidance for the existing problems; and strengthened communication on drawings, issues, and management training for ongoing projects. At the same time, we also actively sought project partners and alternative project sites, laying a solid foundation for the next step of work implementation. In short, the project team cooperates sincerely, makes every effort, and actively seeks better project implementation.

Special Fund for “Scientific Releasing of Life”

The lack of effective guidance and supervision for the illegal release of wildlife, especially in water areas, has been a social pain point for many years, seriously affecting ecological security, especially in rivers and lakes. In May 2021, the SEE Foundation's "Special Fund for Scientific Releasing of Life" was established to continuously carry out research on scientific release theory and laws and regulations, market research, in-depth lectures and training for release groups to popularize relevant knowledge, and regularly carry out demonstration scientific release activities; promote policy formulation and regulation through co-construction with fisheries law enforcement, civil and religious authorities, and other departments; and collaborate with research institutes and universities to carry out water quality monitoring and scientific release experiments on water purification effects, consolidating the efforts of relevant government departments, research institutions, universities, law firms, media, enterprises, and social caring personnel to transform indiscriminate release into scientific release, and advancing the protection and restoration of river and lake fishery resources, water quality improvement, and biodiversity conservation.



Project Achievements in 2022

28

Theoretical seminars

10

Scientific release demonstration activities

9

Public welfare activities for purifying river and lake

9

Scientific release lectures and training sessions

643

People covered by scientific release

Annual Progress

Theoretical Research and Policy Promotion

In 2022, the project, together with the Department of Ethnic and Religious Affairs of Fujian Province, the Fujian Provincial Committee of Population, Resources and Environment of the CPPCC, the Marine and Fishery Law Enforcement Corps of Fujian Province, the Fuzhou Marine and Fishery Law Enforcement Detachment, the Freshwater Research Institute of Fujian, the Fujian Aquatic Technology Promotion Station, Fujian Agriculture and Forestry University, Jimei University, Fujian Normal University, Fuzhou University and other units, carried out 28 theoretical seminars on the theme of scientific release.



Theoretical Seminar on Scientific Release

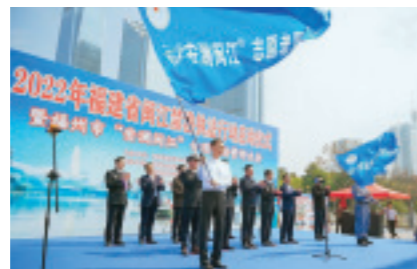
Project Output

- The first volunteer service team in Fujian to assist in fishery resource protection and law enforcement was established, and the *Anlan Minjiang River Volunteer Service Team Patrol System* was put forward.
- During the fishing ban period, 114 volunteer patrols were conducted on water, 20 on land, and 3 visits were made for publicity. The total number of patrol volunteers was 1,140, and 28 reports of illegal fishing were effectively dealt with.

- Conducted market research on folk release, and developed 4 market research reports and 1 special research report.

- Edited the *Compilation of Laws and Regulations on Scientific Release*.

- Edited 2 pieces of scientific release special lecture materials.



Launching Ceremony of Fujian Minjiang River Fishing Ban Law Enforcement Action

- It was agreed with the Marine College of Fujian Agriculture and Forestry University to jointly carry out the water purification effect assessment experiment of releasing different proportions of Silver Carp and Bighead Carp fry in a reservoir and lake in 2023, when eutrophication is high.



Collaborating with the Marine College of Fujian Agricultural University

Scientific release activities and training lectures

- **Scientific Release and Purification of Rivers and Lakes Public Welfare Activities**

During the year, the project carried out 10 scientific release demonstration activities and 9 public welfare activities for water purification in rivers and lakes. A total of 297,727 clean water fish fry, such as Silver Carp and Bighead Carp, were released. Additionally, 5,000 Chinese Horseshoe Crabs (*Tachypleus tridentatus*) were scientifically released.



Scientific Release and Purification of Rivers and Lakes Public Welfare Activities

- **Scientific release lectures and training**

SEE Foundation conducted 9 scientific release lectures and training sessions, promoting knowledge related to scientific release to 643 people.



Scientific release training

- **Construction of Science Popularization Demonstration Base**

During the year, a science popularization promotion base for scientific release and for Chinese Horseshoe Crab conservation was established in Fuzhou (Qi'an Guanyin Temple) and Jinjiang, Quanzhou (Jinjing) respectively.



Science Popularization Demonstration Base

Project Communication

The Science Release and the Anlan Minjiang River Action have received 34 reports from mainstream media such as CCTV and multiple government official WeChat accounts, with over 2 million views of related reports.



Scientific Release

Partner's Comment



FANG Chuihong

Executive Director of the SEE Foundation Science Release Special Fund Management Committee, and President of Fujian Provincial Marine Ecological Civilization Promotion Association

The report of the Twentieth National Congress of the Communist Party of China clearly proposed to prevent and control the invasion of introduced species, which indicates that this problem has been quite serious. For many years, the news of random release of animals by people has been heard, but there is still no good management method. We hope that all sectors of society can further pay attention to, advocate and participate in social supervision. I hope to convert the huge amount of private release funds into scientific release and conservation to promote ecological restoration, rare and endangered species population and habitat conservation, forming a supplementary fund for the relevant national finance, and promoting harmonious coexistence between humans and nature from generation to generation.

On the basis of years of practice, in 2022, we attached greater importance to cooperation between research institutes, especially in the areas of how to effectively remove Blue-Green Algae (which can produce algal toxins) through the ratio of released water purification fish fry, the hatching and breeding of second-class protected animals, the Chinese Horseshoe Crab, and habitat conservation. I believe that "in front of a sick tree, there are ten thousand trees that blossom". In the new year, we can better enhance relevant theories, guide and support more teams to carry out scientific release and conservation practices.

Although promoting scientific release may be challenging, we are committed to persistently carry out this public welfare cause that benefits present and future generations, as well as the well-being of all living beings on Earth.

Environmental projects across China



099

CHAPTER

Global Cooperation

International Platforms Joined by SEE Foundation

- Observer for the *United Nations Convention to Combat Desertification*
- Observer for the *United Nations Framework Convention on Climate Change*
- Observer for the 15th Meeting of the Conference of the Parties to the *Convention on Biological Diversity (COP 15)*
- Member of the International Union for Conservation of Nature and Natural Resources (IUCN)
- Chinese Consultative Body of the United Nations Environment Programme and the United Nations Environment Assembly
- Member of Science-Policy-Business Forum on the Environment (SPBF) of the United Nations Environment Programme
- Member of the Executive Committee of the Foundation Platform 20 of Cooperation
- Member of the Asian Venture Philanthropy Network (AVPN)
- Global Partner of the Business for Nature
- Member of the Partnership of Biodiversity and Finance
- Member of the Global Rewilding Alliance
- Member of the 1% for the Planet
- Member of the Sustainable Blue Partnership Cooperation Network

-As of the end of 2022

Global Cooperation

The "100 Million Suosuo" Project Was Selected for the UNCCD Flagship Report

Listed as an International Case for Combating Desertification for the First Time

In April 2022, the Secretariat of the United Nations Convention to Combat Desertification (UNCCD) released its flagship report Global Land Outlook 2, in which the SEE Foundation's "100 Million Suosuo" project was featured as a demonstration case. This marks the project's inaugural inclusion in an authoritative international report focused on desertification prevention and control. It serves as a showcase of the SEE Foundation's exemplary practices in combating desertification, presenting these practices to global decision-makers.



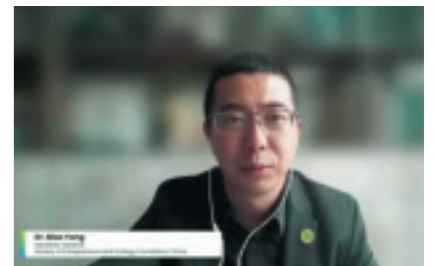
The "100 Million Suosuo" Project Was Selected into Global Land Outlook 2

The Fourth High-Level Global Session of the United Nations Science-Policy-Business Forum on the Environment

Active Involvement in Global Environmental Governance

From May 31st to June 4th, the Fourth High-Level Global Session of the United Nations Science-Policy-Business Forum on the Environment (UN-SPBF), funded by the SEE Foundation, was held in Stockholm, Sweden.

As a member of the UN-SPBF and a member of the Executive Committee, Secretary-General YANG Biao of the SEE Foundation was invited to participate in the high-level opening ceremony online. During the group discussion on "Reconsidering Multilateralism and Bridging the Implementation Gap" at the opening ceremony, he introduced the ongoing climate change projects of the SEE Foundation, including the Green Supply Chain Action and the Blue Carbon Sink in China's real estate.



Secretary-General YANG Biao giving a speech at the Fourth High-Level Global Session of UN-SPBF

ZHANG Li, a member of SEE Conservation, was invited to participate in a panel discussion with the theme "From Commitment to Action: The Next Environmental Convention Conference of Parties". During this discussion, ZHANG Li introduced China's consumption end governance model for diverse personal carbon accounts. This presentation showcased the international community the "Green Inclusive Network - Comprehensive Solution for Diverse Personal Carbon Accounts."



Professor ZHANG Li, a member of SEE Conservation, invited to address a speech

United Nations Ocean Conference

Initiation of the First Round of Project Recruitment for "Blue Partnership Action"

In response to the "Blue Partnership" initiative proposed by the Chinese government, on June 29, during the side event of the United Nations Ocean Conference in Lisbon, Portugal, themed "Promoting Blue Partnership for a Shared Sustainable Future", SEE Foundation, in collaboration with public welfare partners, officially launched the "Blue Partnership Action" and announced the commencement of the first round of project recruitment. The aspiration is to leverage the resources of public platforms to harness the collective power of civil society. This effort aims to facilitate collaborative engagement among blue partners, including governments, corporations, research institutions, and non-governmental organizations, to propel the practical application and dissemination of nature-based solutions. This endeavor seeks to foster sustainable utilization and safeguarding of marine ecosystems, thereby advancing the attainment of Sustainable Development Goal 14. The initial phase will provide support for five projects within the ASEAN region. These initiatives will employ strategies such as ecological restoration, scientific inquiry, community empowerment, sustainable livelihoods, financial innovation, policy advocacy, and public outreach to safeguard and rehabilitate coastal wetland ecosystems. Additionally, they will explore pathways for sustainable development of the blue economy. The collective impact of these efforts will extend benefits to a diverse range of stakeholders, including over 370,000 coastal community residents and fishermen.



2022 United Nations Ocean Conference in Lisbon

F20 "Climate Solutions Forum 2022"

Sharing Cases of Renewable Energy in China

On September 7th, the Foundation Platform 20 (F20), co-initiated by the SEE Foundation, held the "Climate Solutions Forum 2022" in Jakarta, Indonesia. The conference focused on two major themes: renewable energy and green hydrogen, as well as sustainable finance. Mr. QU Xiaohua, a member of SEE Conservation and Chairman of Canadian Solar Inc., shared the cases and insights on reducing the costs of green hydrogen as a form of renewable energy.



QU Xiaohua, Vice Chair of SEE Conservation Taihu Lake Project Center, sharing cases and views

The 14th Meeting of the Conference of the Contracting Parties to the Ramsar Convention on Wetlands (COP14)

Continuously Promoting Social Participation in Wetland Conservation

From November 5 to 14, 2022, the nine-day 14th Conference of the Parties to the *Ramsar Convention on Wetlands* (COP14) was held in Wuhan, China and Geneva, Switzerland. During the conference, the SEE Conservation, SEE Foundation, Mangrove Foundation (MCF), Changjiang Conservation Foundation (CCF) and other initiating organizations took active roles in a series of thematic side events and forums held in both Wuhan and Geneva. These events encompassed the organization, collaboration, and engagement in discussions, alongside the release and initiation of related conservation plans, advocacy declarations, and case accomplishments. This collective effort not only promoted societal participation in the long-term development of wetland conservation but also facilitated the exploration of actionable approaches for international platforms and global cooperation in wetland preservation.



SEE and MCF guests attending COP14 in Geneva

During the "CEPA Wetland Education and Conservation Forum" held at COP14, the "China Wetland Centers" (CWC) was officially launched. This collaborative initiative, led by the National Forestry and Grassland Administration, SEE Conservation, and MCF aims to effectively protect wetlands by establishing a foundation of public support and societal engagement, thereby driving the sustainable development of wetland conservation. The plan involves participation from both wetland natural reserves and social nonprofit organizations engaged in wetland education. It will establish a development mechanism for the wetland education system, facilitate multi-level industry empowerment, create a platform for professional exchange, and promote the construction of wetland education center demonstration bases.



Initial Roster of CWC Member Organizations

The conference passed the *Wuhan Declaration* and the 2025-2030 Global Strategic Framework for Wetlands Conservation, injecting new impetus into global action to protect wetlands. At the conference, it was proposed that China will build wetland national parks, implement the strictest conservation for one-fifth of wetlands, build the "International Mangrove Center" in Shenzhen, and establish China's protection network for migratory bird flyways. In prompt response, SEE and Mangrove Foundation (MCF) have initiated the establishment of a dedicated international fund for mangrove conservation. This effort aims to harness the collective strength of various sectors of society, providing unwavering support for the realization of the International Mangrove Center. It is a concerted endeavor to make a significant contribution to global mangrove conservation and management.

The 27th Conference of the Parties to the United Nations Framework Convention on Climate Change (COP27)

Demonstrating Actions and Forces to Deal with Global Climate Change

From November 6 to 20, the 27th Conference of the Parties to the *United Nations Framework Convention on Climate Change* (COP27) was held in Sharm El-Sheikh, Egypt. During the conference, SEE Conservation, together with SEE Foundation, Mangrove Foundation (MCF), Hubei Changjiang Conservation Foundation (CCF), and other sponsors and member enterprises, joined hands with various partners to host and co-host four side meetings in the China Pavilion. These sessions showcased the achievements of Chinese enterprises and societal efforts in coping with climate change, while also sharing China's stories and experiences.



YANG Biao, Secretary-General of SEE Foundation, spoke at the side event

On November 11, at COP27 China Pavilion, the Vanke Foundation, C Team, SEE, and China Corporate Climate Action (CCCA) jointly hosted the side event on "Corporate Actions for a Net Zero Future". Government representatives, business leaders, industry representatives, and think tank experts jointly discussed how enterprises can leverage commercial and technological innovations to seize opportunities and address challenges within the framework of SDGs and "dual carbon" goal (which encompass peaking carbon dioxide emissions by 2030 and achieving carbon neutrality by 2060).

At COP27 China Pavilion, there were also releases of related cases and reports such as the Release of the 2022 Business Climate Action Cases and the Climate Security in Changjiang River Economic Zone and A Net-Zero Future. The former was jointly initiated by C Team and the Ministry of Ecology and Environment's Publicity and Education Center, featuring a total of 27 innovative emission reduction projects from enterprises, including members of SEE Conservation. The latter, co-released by the Yabuli China Entrepreneurs Forum and CCF, showcased a compilation of 18 action cases from Chinese enterprises, including SEE Conservation member enterprises, in response to climate change in the Yangtze River Economic Belt.

XIE Zhenhua, China's Special Envoy for Climate Change, has actively participated in various activities organized by SEE Conservation, helping to strengthen the belief in corporate climate action. Following the conference, representatives of the organizers also paid visits to Chinese government delegations including XIE Zhenhua.



SEE attendees and guests



Visiting Chinese government delegations including China's Special Envoy for Climate Change XIE Zhenhua

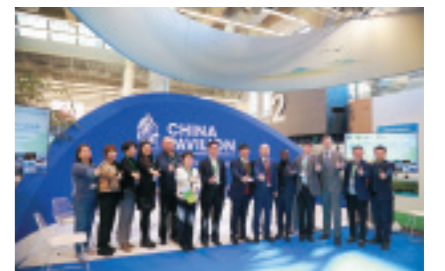
The 15th Meeting of the Conference of the Parties to the United Nations Convention on Biological Diversity (COP15)

Collaborating with Multiple Parties to Assist in Global Biodiversity Conservation

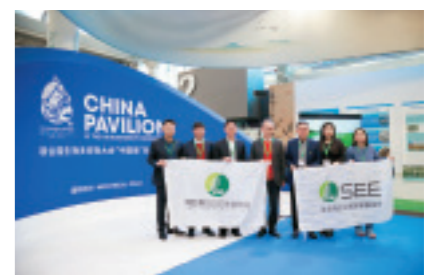
From December 7 to 19, the 15th Meeting of the Conference of the Parties to the *United Nations Convention on Biological Diversity* (COP15) was held in Montreal, Canada. During the conference, the SEE Conservation and SEE Foundation hosted and organized multiple thematic side events, and also delivered speeches at various sessions, showcasing the practices and achievements of the SEE community in biodiversity conservation.

On December 8th and 9th, two thematic side events were jointly organized by several entities, including the Center for Environmental Education and Communications of Ministry of Ecology and Environment (CEEC), the SEE Conservation, and the SEE Foundation. The events were titled "Corporate Integrated Responses to Biodiversity & Climate Crises" and "Accelerating Business Actions in China for Biodiversity Conservation". In addition, collaborative efforts among organizations, including the SEE community, resulted in the publication of the Business Handbook for Biodiversity Conservation and the Business Biodiversity Conservation Cases. These materials will guide Chinese enterprises to learn from each other and collaborate in the field of biodiversity conservation.

The side event on "Corporate Integrated Responses to Biodiversity & Climate Crises" was co-organized by Shenzhen Aleshan Foundation.



SEE attendees and guests from all walks of life around the world



Representatives from SEE

10

CHAPTER

Cooperative Development

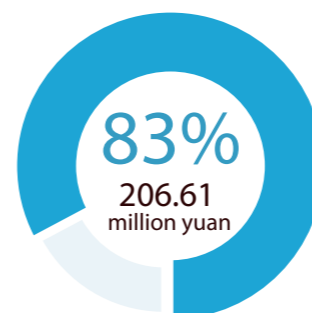
Fundraising Activities 103

Cooperative Development

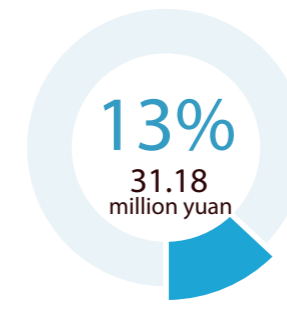
In 2022, SEE Foundation received a total of 248.9466 million yuan in donations from various sectors of society, of which RMB 31.18 million came from donations from SEE Conservation member entrepreneurs, 206.6106 million yuan came from social donations (corporate and individual donations), and the rest came from other incomes.

Revenue in 2022

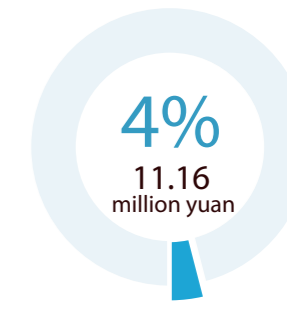
248.95 million yuan



Social donations (Corporate and individual donations)



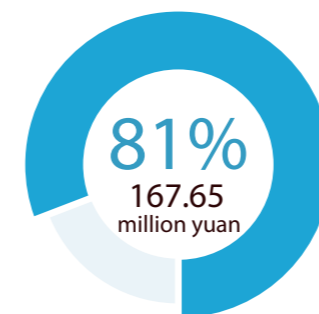
Donations from SEE Conservation member entrepreneurs



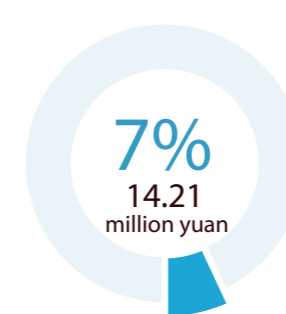
Others

Main Fundraising Sources of Social Donations

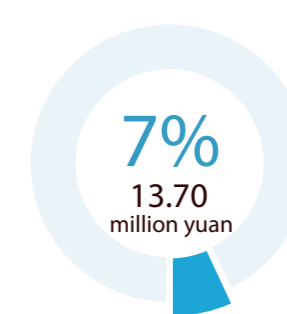
206.61 million yuan



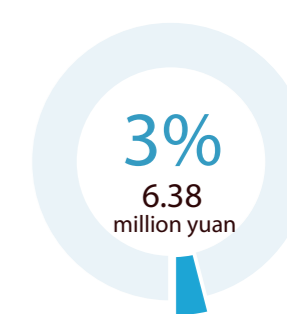
Bank transfers and material donations



Alipay Foundation



Tencent Foundation



Alibaba Foundation

Fundraising Activities

Tencent Foundation: Together for Good!

Since 2015, the SEE Foundation has participated in Tencent Foundation's philanthropic campaign "99 Giving Day" for 8 consecutive years. During the "99 Giving Day" in 2022, the SEE Foundation attracted 109 caring enterprises, groups, and individuals to participate in and collaborated with 15 environmental protection public welfare partners to launch a total of 29 projects and 13 sub-projects, with a total fundraising amount of RMB 8.08 million and support from 144,500 people.



109
Enterprises, groups, and individuals

15
Environmental protection public welfare partners

29
Main projects launched

13
Sub-projects launched

8.08 million yuan
Total fundraising amount

144,500
Number of supporters

Little Red Flower Concert: Inspiring Public Welfare Forces Through Music

During the year, the SEE Foundation participated in Little Red Flower Concert twice organized by Tencent Foundation. In September, the staff of the 100 Million Suosuo project, together with ZHANG Yuan, SU Xing, CHEN Chusheng, and LU Hu, the Dream Builders of Little Red Flower, told the public stories about project implementation, the Suosuo growth, and so on in the Tencent Foundation Live Streaming Room. The Dream Builders sang enthusiastically at the scene, attracting more than 164,000 audiences. In December, the Biodiversity Conservation Little Red Flower Concert of "My Wild Friends" was held, and many musicians created their own songs for endangered species, such as Finless Porpoise, Green Peafowl, Sea Turtle, Asian Elephant, etc., so that more people joined the endangered species conservation action. The number of audiences in the live streaming room exceeded 455,000.



Little Red Flower Concert

Little Red Flower Concert

During the year, the SEE Foundation collaborated with Tencent Foundation's platform video account to carry out two live streaming activities of "Watching Progress by Connecting the Mic", allowing the public to have a more intuitive understanding of the implementation of public welfare projects. On March 24, the staff of the SEE Marine Conservation project connected with the Sea Turtle Rescue Station of Hainan Normal University to introduce the process of Sea Turtle rescue in the Rescue Station to the public, showing the daily work of feeding and brushing the back of Sea Turtle, the importance of Sea Turtle rescue work, and the correct way for the public to participate in the Sea Turtle rescue, which was viewed by 230,000 people on the day. On September 8, the staff of the 100 Million Suosuo project had a live streaming with project volunteers and donors, introducing the implementation of the project. The volunteers and donors also shared their feelings of participating in Suosuo planting activities and the original intention of supporting the project. On that day, the live streaming room had over 1 million viewers.



Tencent Love Daily: Making Project Progress More Vivid

Tencent Foundation's "Public Welfare Partner Plan" Visited the "Save the Smile of the Yangtze River" Project

In December, The SEE Foundation invited the We-media partners of Tencent Foundation's "Public Welfare Partner Plan", namely, "Doctor Curious", "Whisper", "Beichen Youth", "Jincuo Dao" and "Planet Business Review", to Poyang Lake to visit "Save the Smile of the Yangtze River" project, learning the protection knowledge of Finless Porpoise and experiencing the work of rangers. After the experience, they released articles on official account to help spread the project, with views of more than 320,000 people, so that more people can get a close understanding of the way the public welfare project is carried out and the importance of biodiversity conservation.



Tencent Foundation's "Public Welfare Partner Plan" visiting the "Save the Smile of the Yangtze River" project

Corporates Linkage During "99 Giving Day"

During the "99 Giving Day", a total of 109 caring enterprises, groups, and individuals, including SEE Conservation members, provided donation support, and over 239 caring enterprises, groups, and individuals initiated Donation Together. At transportation hubs, stores, commercial districts, communities, office buildings, and other stations and areas throughout the country, nearly a hundred caring enterprises have integrated the concept of "99 Giving Day" with rich and distinctive offline advertising, activities, and other forms, bringing environmental protection concept to the public, and providing strong support for the SEE Foundation's environmental protection projects.

[Beijing Grand Pacific] To support the Blue Defenders project, it conducted public service advertising in locations such as outdoor LED screens on shopping mall walls, electronic screens in shopping mall, floor service desks, and customer service centers, covering approximately 250,000 customers per day; at the same time, launched the Donation Together activity on the WeChat official account and pushed public service articles, reaching millions of customers and driving the public to pay attention to environmental protection.

[STUART WEITZMAN] It continued to participate in the "99 Giving Day" for the fourth year, taking the nature and bird conservation as the starting point, together with 57 stores, set up billboards in the stores, mobilized nearly 400 employees to promote and attract the attention of target audiences, and drove 2,095 consumers to donate through the store's preferential benefits.

[MELYSHOP and its sister brands] It launched the Donation Together activity, and carried out the interactive public service communication activity of "Make a Donation, Get Facial Masks for Reward" in more than 800 offline stores across the country, promoting consumers to understand the conservation of Finless Porpoise, protecting Finless Porpoise and the ecology of Anhui section of the Yangtze River with love.

[BANU TRIPE HOT POT LTD] It launched the Donation Together activity during the "99 Giving Day", and conducted offline communication and theme posters placed in 83 stores across the country, affecting nearly 5,000 people, driving consumers to support for "Great Bustard Go Home", and protecting the ecology of the Yellow River.

[Henan Lentan Group] It launched the Donation Together activity during the "99 Giving Day", mobilized its subsidiaries such as Xinzheng Gas, Xinchang Gas, and Lentan Tea and more than 460 employees to help the "Great Bustard Go Home" project, attracting more public attention to the ecology of the Yellow River. The public service advertisement for the "Great Bustard Go Home" was placed on two themed LED screens at the Lentan World Trade Center in Zhumadian, covering an audience of 5,000 people every day and calling for more public attention to environmental protection.

[Xiuyu Intelligent Healthcare] To provide support for "Best Rangers in Sichuan" project, it posted public welfare posters in nearly 800 stores across China, and played a public welfare advocacy video recorded by Group Founder LI Xiaoning; and also created a topic on TikTok, and mobilized employees and customers to shoot the theme video of "Caring for the Best Rangers in Sichuan" during the "99 Giving Day", which was released on the new media accounts of "Xiuyu Healthcare" and LI Xiaoning respectively, with exposure to more than 600,000 people.



Caring Enterprise Communication During "99 Giving Day"

Alibaba Foundation: Environmental Protection Public Welfare+XIN Yibai=Tremendous Support

In 2022, the Alibaba Foundation XIN Yibai (formerly Goods for Good) project of "Free Flying Wings Civil Guarding Action" and the third phase project of "Helping the Ranger to Guard the Finless Porpoise" were launched, and the second phase project of "Noah's Ark - Guarding the Asian Elephant" were completed. These three projects received a total of 88.04 million supports throughout the year. Thanks for the generous support from Alibaba Foundation, caring merchants, and caring netizens.

Free Flying Wings Civil Guarding Action

In 2022, the third phase of the project was implemented and the fourth phase was launched. The third phase project accomplished the following:

| | | |
|---|--|--|
| 32 Bird habitats conservation actions | 2,700 km² Area of protected bird habitats | 861 Bird monitoring and investigation activities |
| 413 Bird habitats patrol activities | 41,500 pieces Bird records submitted | 600+ Bird species recorded |
| 456 pieces Habitat threat records submitted | 173 Public communication and science popularization education activities | 50,000 People influenced |



Free Flying Wings



Noah's Ark - Guarding the Asian Elephant



Helping the Ranger to Guard the Finless Porpoise



Guarding the Source of Apple

Noah's Ark - Guarding the Asian Elephant

The second phase of the project completed the restoration of 69.53 hectares of Asian Elephant habitat and the planting of preferred plants. Subsequent management has been conducted to provide a concentrated food source for Asian elephants. Four saltwater ponds were built in the habitat optimization area to provide Asian elephants with essential mineral elements, water sources and playgrounds; a set of early warning system was built around the project site to record information and data on vegetation, animals, humidity, temperature, food habits of Asian elephants, etc. The system is continuously maintained and issues early warning information to reduce the encounter between humans and Asian elephants; and two rescues were carried out for injured or sick Asian elephants in the project site, and common medications were provided in the Asian Elephant control area to escort the health of Asian elephants in the area. In June, the production of project billboards was completed to raise the public awareness of Asian elephants safety in elephant-related areas visited by the public, allowing a broader audience to understand the conservation efforts for Asian elephants.

Helping the Ranger to Guard the Finless Porpoise

In September 2022, the third phase project was launched. The current project was planned to provide training for 400 key rangers, directly or indirectly improving the comprehensive quality and professional ability of the patrol team; offered 400 pieces of water operation accident insurance and 570 pieces of small equipment to solve the worries of assisting ranger; and studied the migration patterns and population trends of Finless Porpoise through the detection of Finless Porpoises.

Guarding the Source of Apple

The Customized Goods for Good launched with the support of caring merchants of national cotton four-piece set in Tmall bedding industry from the Alibaba Foundation platform received over 4.04 million people's support as of the end of December 2022. The project is currently under implementation, and the design work of the existing fruit tree germplasm resource nursery garden has been completed. Subsequently, artificial restoration and replanting of wild fruit forests will be carried out in April 2023, field investigation and collection work will be completed from August to September, and an excellent germplasm resource nursery garden for wild fruit forests will be built.

XIN Yibai Project Visit

In 2022, to better understand the implementation of the project by caring businesses and caring netizens who support the XIN Yibai (Goods for Good) project, the SEE Foundation, together with Alibaba Foundation, held the visit activity for three projects, namely, "Free Flying Wings", "Helping the Ranger to Guard the Finless Porpoise", and "Noah's Ark - Guarding the Asian Elephant". Media reporters, shooting teams, uploaders, public experience officers, etc. were invited to participate. Through in-depth visit activities, representatives from all parties can have a comprehensive understanding of ecological protection work. In the three visits, all participants posted more than 20 related articles and reports on multiple platforms, with a total of over 1.4 million video views on Weibo and video accounts, over 400,000 video views on Bilibili, and a total of 40,000 interactions.

Alibaba "95 Public Welfare Week": Believing in the Sprouting of Love

[Three Hours for a Better World] During the "95 Public Welfare Week", 100 Million Suosuo and Save the Smile of the Yangtze River were launched at the "Three Hours for a Better World" behavioral public welfare event, where users learned about the project and received "love beans" through methods such as Guess Together, Read Together, and Write Together. A total of 36,800 people participated in the event, and 940,000 "love beans" were obtained.

[Donate for Love]: At the "Donate for Love" special event of the "95 Public Welfare Week", four environmental public welfare projects such as "Free Flying Wings", "Save the Smile of the Yangtze River", "Noah's Ark", and "Marine Conservation" were launched. The official accounts were called on to participate in environmental protection through Donation Together, Team Donation and other ways, receiving charity money from 13,000 donors.

[MELYSHOP Participating in the "95 Public Welfare Week"] SEE Foundation collaborated with the top ten cosmetics chain brand "MELYSHOP" to participate in the "95 Public Welfare Week". The interactive public welfare activity of "Make a Donation, Get Facial Masks for Reward" was carried out in 155 stores of 16 cities. 155 Donation Together activities were carried out for the "Save the Smile of the Yangtze River" project, and received a total of 116,600 yuan in donations.



Alibaba "95 Public Welfare Week" - Three Hours for a Better World



Alibaba "95 Public Welfare Week" - Donate for Love



Alibaba "95 Public Welfare Week" - MELYSHOP Offline Advocacy

[Alibaba Foundation Assisting in Environmental Protection Project Communication]

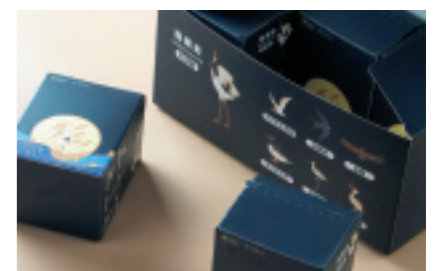
During Charity Day of China, the SEE Foundation and Alibaba Foundation invited the uploaders and shooting teams of Bilibili to visit the Ulan Buh Desert Control Base of the 100 Million Suosuo project on site, communicating with project staff, understanding the stories during the project process, learning Desertification Prevention and Control knowledge, experiencing sand-protecting barrier production, etc. The videos were promoted on Weibo, Bilibili, and other channels, with a playback volume of 940,000.



Alibaba Foundation "95 Public Welfare Week" Assisting in Environmental Protection Project Communication

New Badge on the Blind Box of the "Guarding Chinese Migratory Bird Series" Badge

On the "International Bird Loving Day" in 2022, the SEE Foundation's taobao public welfare store launched new derivatives of Free Flying Wings "Guarding Chinese Migratory Birds Series" badge, including seven kinds of Chinese migratory birds, namely, Red-Crowned Crane, Golden Eagle, Pied Avocet, Dalmatian Pelican, Red-Rumped Swallow, Chinese Crested Tern, Scaly-Sided Merganser, in the form of blind box popular with young people, and promoted through the online platform by publishing subscriptions and browsing videos in the store, obtaining the recommendation from the Alibaba Foundation and "Three Hours for a Better World".



Alibaba Foundation - Guarding Chinese Migratory Bird Badge Blind Box Real Shot

Alipay Foundation: Continuous Efforts through Various Donation Methods

In 2022, the SEE Foundation has a total of 10 projects on the Alipay Foundation platform, including "100 Million Suosuo", "Guard Green Nature", "Free Flying Wings", "Blue Defenders", and "Action for Azure Oceans". According to the project capability model of Alipay Foundation platform, the SEE Foundation continued to promote its openness and transparency and improve the donation experience of caring donors.

14.2 million yuan

Accumulative donations from caring netizens of Alipay Foundation platform

8.85+ million

Number of supporters

[Consumption Donation]

The Consumption Donation of Alipay Foundation platform is based on the consumption scenario in the innovative mode of "charity+payment". Consumers will donate once for the environmental protection public welfare project of the SEE Foundation for every consumption of the caring merchants that launch the Consumption Donation. In 2022, 42 caring merchants including Jiangsu Wenfeng Group and Wuhan Shiwuer participated in Consumption Donation, donating 1.49 million transactions.



Picture of Consumption Donation by Alipay caring merchants

[Point Donation]

Caring netizens of Alipay Foundation platform can use the "Point Donation for Love" function in "Alipay Member", donate points to exchange for caring enterprise donations, contributing to environmental protection public welfare projects. Sunshine Life Insurance helped the "Free Flying Wings" project through Alipay Point Donation, and donated 1.94 million transactions in total throughout the year.



Alipay Point Donation page

[Walking Donation]

Caring enterprises can provide public welfare donations. Alipay caring netizens can donate more than 1,000 steps a day to exchange for public welfare funds through the "Alipay Campaign" page. Three public welfare projects, namely, "Blue Defenders", "Guard Green Nature" and "Action for Azure Oceans", participated in the Walking Donation activity of Alipay Foundation platform. During the activity, Alipay Foundation platform caring netizens donated a total of 188,000 yuan.



Alipay Walking Donation page

Alipay Caring Netizens Escorting Sea Turtle Home

In 2021, the project of "Sea Turtle Going Home" was launched by Alipay Foundation, and a total of 6 Sea Turtles were rescued. In 2022, the SEE Foundation, through linking with life accounts of Alipay Foundation, recruited the public welfare experience officers of "Escorting Sea Turtle Home with Love" to participate in the "Sea Turtle Going Home" release activity in Naozhou Island, Guangdong Province, participating in the physical examination before release, tracker installation and other experiences, and successfully releasing the Sea Turtle "Guigui" donated and rescued by caring netizens of Alipay Foundation platform.



The rescued Sea Turtles returning safely to the sea

Ant Forest: Diversified Cooperation

2022 is the seventh year of continuous cooperation between SEE Foundation and Ant Forest, with more diversified cooperation contents. In addition to maintaining afforestation cooperation in the Alxa Region based on Desertification Prevention and Control, we have expanded environmental public welfare projects such as Multiple Effects Based Ecological Restoration, Public Welfare Protected Areas, Typical Marine Ecosystem Protection and Restoration, and Blue Partnership Action Fund.

Land Afforestation: Releasing Multiple Effects of Ecological Restoration

In 2022, afforestation cooperation expanded from the planting of Suosuo and scoparium under the "Desertification Prevention and Control" section to more regions and tree species under the "Multiple Effects Based Ecological Restoration" project. The project covered Ningxia, Gansu, Shanxi, and other regions, with nearly 10 tree species planted. This year, the newly added afforestation area exceeds 14,000 hectares, assisting in ecological restoration.



Afforestation work in Wuqi, Shanxi is underway

Protected Areas: Assisting in the Endangered Species Conservation

In 2022, the SEE Foundation increased cooperation with Ant Forest in Public Welfare Protected Areas. The number of public welfare protected areas has increased to six, including Wuqinzhong Protected Area, Xinlong Protected Area, Anzi River Protected Area, Qiuqianjia Protected Area, Metok Protected Area, and Hunchun Protected Area, with a total cumulative area of 512.08 square kilometers. Together with caring netizens, we will protect green energy and biodiversity.



Huidong Wuqinzhong Public Welfare Protection Area © LI Cheng

Magic Ocean: New Breakthrough in Marine Conservation

On June 8, the World Oceans Day, "Ant Forest | Magic Ocean" was officially launched. As the first cooperative public welfare organization, the SEE Foundation and Ant Forest jointly launched two new "Marine Conservation" projects, namely, Seaweed Ecological Restoration and Mangrove Ecological Restoration, for netizens to claim and participate in and guard the ocean together.



Seaweed growth monitoring

Blue Partnership Action Fund: Civil Welfare Helping "Blue Partnership"

The 2022 United Nations Ocean Conference was held in Lisbon, Portugal. On June 29, the SEE Foundation officially released the "Blue Partnership Action Fund" (BPAF) project plan at the side meeting on "Promoting Blue Partnership, Building a Sustainable Future" of the United Nations Ocean Conference. This plan is jointly initiated by the SEE Foundation, Zhejiang Ant Foundation, and other civil welfare forces. By promoting mutual cooperation among blue partners such as civil welfare organizations, caring enterprises, research institutes, international organizations, and government agencies from various countries, it helps promote the Blue Partnership Principles of the Ministry of Natural Resources, achieve the implementation of nature based solutions, and advance the sustainable use and protection of marine ecosystems.



XIE Shangming, Director of SEE Foundation, shared the BPAF at the 2022 World Ocean Week in Xiamen Main Forum

ByteDance Foundation: Watching Videos for Good

During the year, the SEE Foundation, together with public welfare partners, launched 9 public welfare projects on the ByteDance Foundation platform, and received a donation of 480,000 yuan. As a hub of the environmental protection industry, the SEE Foundation further drove partners to learn how to operate TikTok accounts and how to use video to communicate and raise money. Since its launch, the SEE Foundation has launched a public welfare activity on "Loving Nature Together" on TikTok, mobilized more than 60 partners, and released 338 pieces of TikTok videos.

"DOU Love Public Welfare Day: Lend a Hand, Share a Smile"

In September, the SEE Foundation, together with partner institutions, participated in the 95 "DOU Love Public Welfare Day" activity of ByteDance Foundation, inviting star HA Lin, as well as enterprise leaders and project supporters, to become the Love Assistance Officers, so as to call on relatives, friends and project followers around to participate in the activity. The public can not only accumulate "Sunshine Value" to exchange for exclusive public welfare peripherals, but also help public welfare projects to obtain allocated donations through donation, watching public welfare videos, event forwarding and other forms at the TikTok "Lend a Hand, Share a Smile" theme event. In addition, the SEE Foundation introduced the project to the public and reported on its implementation results through live streaming. It also collaborated with partner institutions, caring volunteers, and other organizations to release environmental related public welfare short videos, helping the project become popular.



"DOU Love Public Welfare Day: Lend a Hand, Share a Smile"

Pop Rocks for Good: Fundraising through "Second-Hand Goods Public Welfare Market" for Marine Conservation

In August 2022, ByteDance Pop Rocks for Good and the Administrative Team jointly held the "Second-Hand Goods Public Welfare Market", calling on employees to participate in public welfare. Employees who donate to the Marine Conservation project of the SEE Foundation can get the overstocked and idle good goods collected by the corresponding "Second-Hand Goods Project". ByteDance Pop Rocks for Good also made 1:1 allocation of employee donations. The SEE Foundation's Marine Conservation project has received a total of 530,000 yuan in donations, which will support the SEE Foundation's Marine Conservation project to carry out a pilot project for the recycling of discarded fishing gear and Sea Turtle rescue work on Dongshan Island, Fujian Province, and assist in China's marine ecological protection.



"Second-Hand Goods Public Welfare Market"

Bilibili Foundation: Uploaders Helping Environmental Protection

This year, the SEE Foundation's four projects, including 100 Million Suosuo, Noah's Ark, Marine Conservation, and Endangered Species Conservation Action, were launched on the Bilibili Foundation platform to raise funds. During the "World Earth Day Environmental Protection Week", the SEE Foundation connected the Sea Turtle Rescue Station supported by the Marine Conservation project through live streaming to introduce the project to the public and let them watch the Sea Turtle rescue closely. By leveraging the reputation and popularity of the documentary Land of the Gods, the project promotes and designs MBTI tests related to endangered species, enabling Bilibili users to understand and support the conservation of endangered species in a novel form. When participating in the variety show "Bilibili Go", the uploader "Yogurt Box" with millions of fans introduced the "Noah's Ark" project to the audience, calling on the public to pay attention to and support the project. The uploader "Yui Corgi Great Smart" with millions of fans was invited to visit the project site of the Asian Elephant Conservation to learn about the project development and experience the daily conservation work. The uploader presented the visit to the public in the form of video, which was released during the World Elephant Day, with more than 2.08 million views.



Screenshot of SEE Foundation participating in Bilibili public welfare activities

Caring Enterprise Environmental Action

HSBC China: Supporting Energy Transformation, Low Carbon Innovation, and Exploring Nature-based Solutions

HSBC and the SEE Foundation continued to advance their strategic cooperation, and carried out multiple climate change response projects in industries such as real estate, electronics, textile, as well as ecological restoration, low-carbon innovation, and other fields, jointly supporting China in achieving its "dual carbon" goals. We promoted the green upgrading of the textile industry by sharing green and energy-saving technologies, cultivating professional talents, and other measures; helped enterprises and suppliers in the real estate and electronics industries improve energy efficiency and energy conservation and emission reduction levels by perfecting green standards, strengthening capacity building, providing technical support, and other measures; carried out ecological restoration work with nature based solutions in forests, inland wetlands, and coastal wetlands to enhance biodiversity, climate resilience, and ecosystem service capabilities; and focused on high emission industries, assisting high emission enterprises in low-carbon transformation by developing and promoting enterprise climate information disclosure guidance tools.



HSBC volunteers participate in community education activities for the coastal

Hang Seng China: Exploring the Ecological Environmental Protection Path of Sustainable Development from Green Carbon to Blue Carbon

As a foreign bank that has long practiced the ESG green development concept, Hang Seng China has collaborated with the SEE Foundation to carry out ecological restoration projects based on ecological protection and climate change response in Sichuan and Fujian using the dual concept of "green carbon+blue carbon" — the "Seed-Future" project, actively increasing investment in ecological restoration, in order to explore ecological environmental protection path of sustainable development. According to previous project experience, it is estimated that the Mangrove Ecosystem Restoration project in Luoyuan County, Fujian Province is expected to have about 2,800 tons of carbon sequestration in 40 years, and the Forest Restoration project in Pingwu County, Sichuan Province is expected to have about 4,750 tons of carbon sequestration in 30 years, which will effectively benefit local residents.



Visit to the Forest Conservation and Restoration Project in Pingwu County, Sichuan Province

Chali Group: Qiuqianjia Public Welfare Protected Area Protects Leopard in China

Guangzhou Chali Group Co., Ltd. and SEE Foundation jointly built the Qiuqianjia Public Welfare Protected Area in Jingyuan County, Guyuan City, Ningxia, with a total area of 5,854.28 hectares, which was launched in the Ant Forest, together with caring netizens, to jointly protect green energy and biodiversity. Qiuqianjia is located in the Liupan Mountains, where the Leopard is the main protected animal. The Qiuqianjia Public Welfare Protected Area will become the key to protect the population of Leopard in Liupan Mountains, increase its population size, and expand its distribution area.



Autumn Forest in the Qiuqianjia Public Welfare Protected Area © CFCA

Huatai Securities & Bloomberg China: Searching for the Connection between Human and Nature from City to Wilderness

On December 7, the biodiversity theme exhibition "From City to Wilderness" jointly sponsored by the SEE Foundation and the Shanghai Natural History Museum (Branch of Shanghai Science and Technology Museum) and supported by Huatai Securities and Bloomberg China Foundation opened in Shanghai. The exhibition is divided into four sections: Shanghai - Bird Seeker, Yangtze River - Finless Porpoise and Ranger, Southwest - Asian Elephant and Forecaster, Sanjiangyuan - Snow Leopard and Monitor. The theme exhibition takes "animal - habitat - human" as the story clue, and leads the audience from Shanghai to four habitats, including the Yangtze River Basin, the Southwest Forest, and the Sanjiangyuan Region, gradually moving from city to wilderness, showing the achievements of nature conservation with public participation and institutional assistance, and conveying the concept of "Citizen Science for Biodiversity Conservation".



Biodiversity theme exhibition "From City to Wilderness"

Infineon: Actively Demonstrating the Biodiversity Conservation, Carbon Sequestration, and Carbon Reduction

On May 16, the "Sichuan Shenguo Zhuang Infineon Giant Panda Habitat Restoration and Afforestation Project", a giant panda habitat ecological restoration and carbon sink project donated by Infineon Technologies Greater China, was officially launched in the Shenguo Zhuang Nature Reserve in Liangshan Yi Autonomous Prefecture, Sichuan Province. As the first project in the three-year biodiversity conservation cooperation between Infineon Greater China and the SEE Foundation, the "Sichuan Shenguo Zhuang Infineon Giant Panda Habitat Restoration and Afforestation Project" planted 22,200 local tree species, mainly Spruce and Fir, aiming to restore the habitat of Giant Panda to about 20 hectares. Based on a 30 year period, it is estimated that it can increase carbon sequestration by about 2,000 tons, actively demonstrating the biodiversity conservation, carbon sequestration, and carbon reduction.



Seedlings to be planted in the Yingfeiling Giant Panda Habitat Restoration and Afforestation Project

Noah Wealth: Moving Forward on the "Public Welfare" Road Accompanied by Love

This year, Noah Wealth and SEE Foundation conducted various modes of cooperation and linkage: continued to carry out the planting of the "Noah's Heart Forest" to promote SEE Foundation's goal of achieving the "100 Million Suosuo" project; continued to support the "Noah's Ark" project, supporting the project work of the joint management and protection area of Green Peafowl habitat (community) in Yao Village, Xiping County, Yunnan Province and the joint management and protection area of Green Peafowl habitat (community) in Yale, Eshan Mountains, Yuxi, Yunnan Province, and providing financial support. This year, we also provided donation for the "Save the Smile of the Yangtze River" project to protect the Finless Porpoise and assist in the Yangtze River Conservation; and continuously participated in the 99 Giving Day event for the 6th year, encouraging employees, members, customers, and the public to participate and support public welfare through allocated donation, donation together, and other forms, and becoming a long-distance runner for public welfare.



Noah Wealth employees participate in green education activities

Chow Tai Fook: Contributing to Natural Ecology with Sincerity

In September, we launched the walking together public welfare activity of "Chow Tai Fook Wants to Build a Happy Planet with You", which led 19,354 people to participate in the public welfare walking donation, and focused on promoting this activity in the official account, official Weibo account, official website, national stores, enterprise internal platform, and circle of friends, obtaining the joint support of employees, their relatives and friends, consumers, partners, etc. for Noah's Ark Black-and-White Snub-Nosed Monkey Conservation project, contributing to the conservation of mountain biodiversity in Southwest China. This year, we continued to support the "100 Million Suosuo" project, donating 51,750 Suosuo to the desertification area of Alxa, achieving sand fixation of approximately 510,000 square meters, assisting in the restoration of local desert ecosystems, and delaying the process of desertification.



Mini program interface of Walking Together activity

L'Oreal Hair: 1 Bottle for 1 Square Meter to Assist in Desertification Prevention and Control

In July, L'Oreal Hair teamed up with the SEE Foundation to carry out a public welfare activity called "One Bottle for One Square Meter, Relieving Dryness with Sea-Buckthorn". The activity aims to promote consumer participation in public welfare interactive games, understand the adverse effects of desertification on human life, and enhance awareness of desertification issues. After each consumer completes the game, L'Oreal Hair supports the SEE Foundation's Sea-Buckthorn Afforestation project on the eastern edge of the Ulan Buh Desert in the name of the consumer, fixing 1 square meter of desert to protect a piece of green.



The activity page of "One Bottle for One Square Meter, Relieving Dryness with Sea-Buckthorn"

Disney Conservation Fund: Supporting Community Efforts in Chinese Pangolin (*Manis Pentadactyla*) Conservation

This year, the Disney Conservation Fund, in partnership with the SEE Foundation, launched the Chinese Pangolin Community Conservation Project. The project aims to incentivize community residents to join patrol teams for daily anti-poaching patrols, establish community-based wildlife conservation education networks, and conduct detailed monitoring of Chinese Pangolin population data. The goal is to restore the pangolin population density to natural levels within protected areas and protect the integrity and complexity of the local tropical lowland evergreen broadleaf forest ecosystem.



Children in Zuokeng Village participating in nature observation activities © WAN Xiaoyan

Ronshen Refrigerators: Implementing the "Energy Forest Plan" and Initiating a Green Development "Co-creation Model"

On August 27, the Ronshen Refrigerators' "Energy-Saving Forest" Plan Desert Oasis Tour was successfully held at the SEE Ulan Buh Ecological Education Demonstration Base. Ronshen Refrigerators brought together various social forces, including brands, dealers, users, and volunteers, to contribute to environmental conservation by engaging in scientific popularization interactive games, sand barrier production experiences, and learning about desert vegetation. Ronshen Refrigerators has pledged that for every unit of their Ronshen Super Space series products sold, they will plant a Suosuo tree in the Alxa region on behalf of the Ronshen consumers, co-creating a zero-carbon society with the users.



Exploring the desert oasis as part of the Ronshen Refrigerators' "Energy-Saving Forest" Plan

Aleshan Foundation: Jointly Promoting the Development of the Environmental Public Welfare Industry

The Shenzhen Aleshan Foundation, in collaboration with the SEE Foundation, fully leverages the value of the SEE social protection platform to jointly promote the development of the environmental public welfare industry. The focus is on supporting sustainable development in marine ecological conservation and fishing communities, with a particular emphasis on supporting social organizations involved in the transition and alternative employment of fishermen based on rural revitalization. The foundation also supports more entrepreneurial teams and emerging environmental organizations focused on ecological and environmental protection, enhancing their coverage and responsiveness to key issues affecting local green and sustainable development.



GUT Project Mentor's Offline Visit

Exchange on Environmental Protection

SEE Foundation's First Annual Donor Appreciation Event

On October 27, the SEE Foundation held its first annual donor appreciation event with the theme "Go Together for a Green Future" in Beijing. During the event, the SEE Foundation not only reported the project achievements to the attending donor representatives, experts from various fields, and partners but also invited renowned cellist and professor at the Central Conservatory of Music, ZHU Mu, and Central Conservatory of Music teacher LIU Yunlong to present a special concert titled "Autumn · Greetings." Through art, they expressed infinite imagination for a green future. Finally, the event concluded by presenting the "Outstanding Contribution Award," "Distinguished Contribution Award," "Prominent Contribution Award," "Caring Contribution Award," and "Innovative Contribution Award" to the donors of the year 2022, expressing sincere gratitude to each donor who has supported and accompanied the SEE Foundation in its environmental conservation efforts.



Scene of the SEE Foundation's first annual donor appreciation event.

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CHAPTER

Annual event

The 9th Chinese Enterprises Green Compact Forum

On June 5th, 2022, The 9th Chinese Enterprises Green Compact Forum was held online with the theme of "Foresee the Future through Diversified Explorations on Carbon". With the Alxa Administrative Office as the guiding unit, and the United Nations Environment Programme (UNEP) and the Business for Nature (BfN) as the global partners, the forum was hosted by the SEE Conservation, the SEE Foundation, and co-organized by the Aleshan Foundation.

In this forum, leaders from diverse industries, government guests, academic authorities, and entrepreneurial representatives gathered to deliver keynote speeches and engage in dialogues. They discussed topics such as global green development trends, the harmonious interplay of carbon neutrality governance, the significance of blue carbon in achieving carbon neutrality, strategies for reconciling business and nature and innovative green solutions for combating climate change. The forum brought forth fresh perspectives and values for sustainable development.



The 9th Chinese Enterprises Green Compact Forum



Erik Solheim, former under-secretary-general (USG) of the United Nations and Executive Director of the United Nations Environment Programme

If we can achieve high standards, global cooperation, nature-based solutions, and fair transformation, I believe that Chinese and even global enterprises will play a more crucial role in green transformation. We can only succeed if the world works together, with all governments and businesses joining forces.



LIU Jian, Director of the Science Division of United Nations Environment Programme

The green transition can be achieved if we share the same goals across all industries. The process of achieving the carbon peak and carbon neutrality goals will create new value and new jobs. Therefore, the Chinese Enterprise Green Compact Forum can enable all sectors to share experiences and create many opportunities for cooperation. UNEP is very appreciative of this, and we look forward to the opportunity to support your work later.

The Chinese Enterprise Green Compact Forum is an important platform for Chinese entrepreneurs represented by SEE to fulfill their green commitments and carry out sustainable development actions. The forum has been held for eight sessions, with over 400 visionary and transformational government leaders, domestic and foreign business leaders, academic authorities, representatives of public welfare organizations, and media attending. The forum has become an important platform for Chinese entrepreneurs to participate in green economic transformation and promote green practices in enterprises. During the thematic dialogue on "Green New Choices for Climate Change," Secretary-General YANG Biao of the SEE Foundation, QIU Shuangping, General Manager of the Carbon Management Business Division at Langgreen Technology, ZHAI Yubo, General Manager of Carbon Neutrality Business at Nenglian Technology, and ZHANG Wenyin, CEO of DeepRock Zero Carbon Technology, shared new attempts and choices in emission reduction and carbon reduction based on their respective work and practices in carbon neutrality.



Thematic Dialogue on "Green New Choices for Climate Change"

The First SEE Foundation Forum on Philanthropic Development

On October 27th, 2022 the inaugural SEE Foundation Forum on Philanthropic Development with the theme "Innovative Value, Green Prosperity" was held in Beijing. The forum was guided by the Secretariat of the Nature Conservation Partnership Program and organized by the SEE Foundation, with strategic partnership from Economic View. The forum convened an impressive gathering of nearly a hundred experts, entrepreneurial representatives, and advocates for public welfare, representing diverse domains. Through thought-provoking keynote speeches and interactive dialogues, the participants delved into crucial subjects like climate change and green development, harmonious coexistence between humans and nature, the ecological support for rural revitalization, diverse participation in creating harmonious nature, and entrepreneurial community in environmental philanthropy development. The forum's discussions offered novel insights and innovative solutions, propelling the cause of ecological conservation and sustainable development.



HAN Jiahuan, the third president of the SEE Conservation and the second executive director of the SEE Foundation, delivered the opening speech.



WEI Fuwen, director and chief scientist of the SEE Scientific Advisory Committee, and academician of the Chinese Academy of Sciences, delivered a speech.

Flourishing development of SEE Foundation



YANG Biao, Secretary-General of the SEE Foundation

As a funding-based modern foundation, the SEE Foundation has supported over 900 environmental NGOs, research institutions, and volunteer groups nationwide in carrying out environmental protection work. Simultaneously, the foundation has also encouraged member companies to fulfill their social responsibilities and achieve green development. Through collaboration with various stakeholders, including governments, research institutes, and the general public, the foundation has established a platform for social conservation efforts, facilitating multi-party involvement and fostering societal sharing of responsibilities and benefits.

During the forum, experts from the industry were cordially invited to share their insights on the three project themes of "Climate Change and Green Development," "Harmonious Coexistence between Humans and Nature," and "Ecological Support for Rural Revitalization," which are carried out by the SEE Foundation.



DU Xiangwan, Academician of the Chinese Academy of Engineering, former Vice President of the Academy, Deputy Director of the National Energy Consultation Committee, and Honorary Director of the National Climate Change Expert Committee.



ZHANG Zhengwang, Professor at the School of Life Sciences, Beijing Normal University, and Vice Chair of the Chinese Zoological Society.



WANG Xiaoyi, Researcher at the Institute of Sociology, Chinese Academy of Social Sciences.

Embracing Diversity, Collaboratively Cultivating Harmony with Nature

During the roundtable forum session hosted by YU Xiubo, Researcher at the Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, and Secretary General of the China Ecosystem Research Network Science Committee, esteemed participants shared their innovative practices and case studies from their respective companies and organizations on engaging diversity and collaboratively crafting a harmonious environment. The session included insights from WANG Ying, Director of Corporate Sustainability Development at HSBC Bank (China) Limited, MA Yao, Director of Philanthropic Projects at Tencent Charity Foundation, MA Jun, Director of the Institute of Public and Environmental Affairs (IPE), and WANG Songlin, Chair of the Qingdao Marine Ecology Research Association.



From left to right: YU Xiubo, MA Jun, WANG Ying, WANG Songlin

Development of China's Civil Society on Environmental Protection Co-created by the Entrepreneurial Community

During the roundtable dialogue session moderated by JIN Jun, Deputy Director of the Department of Sociology at Tsinghua University, participants including WANG Xiaoyi, Researcher at the Institute of Sociology, Chinese Academy of Social Sciences, WANG Ying, Senior Entrepreneurial Mentor of the Growing Up Together(GUT) Project and Founder of the Yuan Workshop, and YAN Lu, Founder of the Cloud Mountain Conservation and Research Center, engaged in an in-depth discussion on how the entrepreneurial community can jointly build the Development of China's Civil Society on Environmental Protection. They also expressed expectations and provided suggestions for the future development of philanthropic organizations.



From left to right: JIN Jun, YAN Lu, WANG Ying, WANG Xiaoyi

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CHAPTER

Financial Data

The following data are from the 2022 annual audit report of SEE Foundation (Registered Name: Beijing Society of Entrepreneurs and Ecology). This audit was completed by KPMG Huazhen LLP. The full report can be found on the official website of SEE Foundation: <http://www.see.org.cn>.

Income and Expenditure

Note: SEE Foundation renewed its qualification of public fundraising as a charitable organization on December 6, 2016. In accordance with Regulations on the Annual Expenditure and Management Fees of Charitable Organizations for Charitable Activities (2016) No. 189, in which Article 5 provides that the administrative cost of a charitable organization include: 1. Working expenses of the Council and other decision-making bodies; 2. Salary and benefits of administrative personnel; 3. Administrative office expenses such as office expenses, utilities and travel expenses; Article 7 provides that the annual expenditure on charitable activities of a foundation of charitable organization with public fundraising qualification shall not be less than 70% of its total income of the previous year; the annual administrative cost of such foundation shall not be higher than 10% of the total expenditure of the same year.

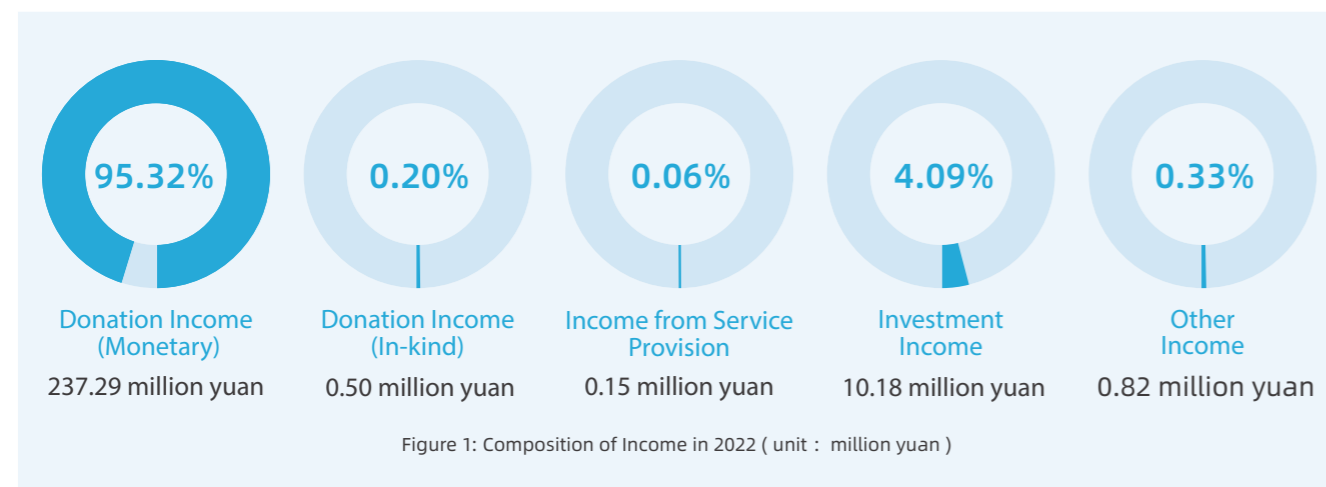
Opening Balance of Net Assets for 2022

263.73 million yuan

Income in 2022 (Figure 1)

248.95 million yuan

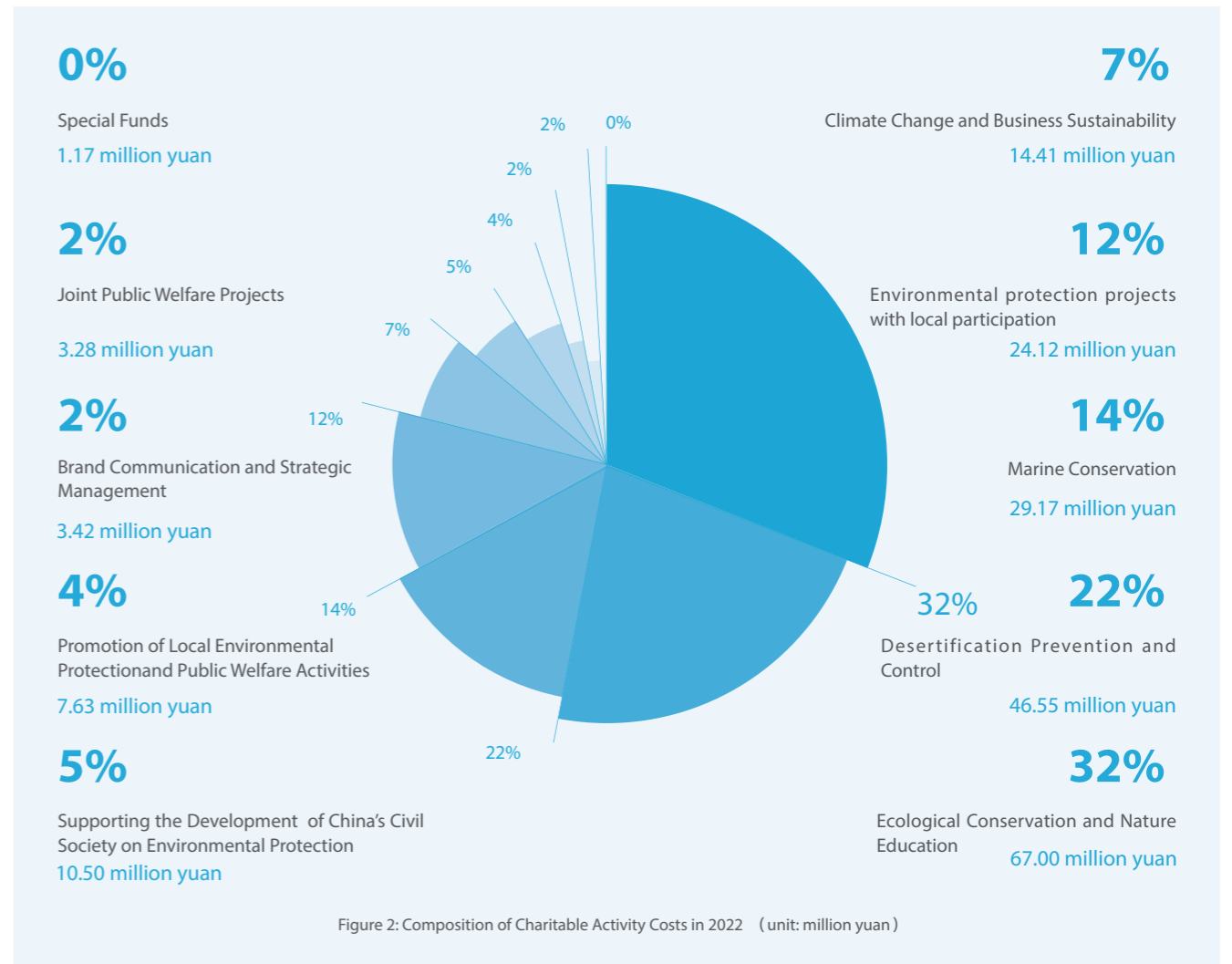
| | |
|-------------------------------|---------------------|
| Donation Income (Monetary) | 237.29 million yuan |
| Donation Income (In-kind) | 0.50 million yuan |
| Income from Service Provision | 0.15 million yuan |
| Investment Income | 10.18 million yuan |
| Other Income | 0.82 million yuan |



Expenditure in 2022

218.78 million yuan

| | |
|---|---------------------|
| Charitable Activity Costs (Figure 2) | 207.25 million yuan |
| Costs for Service Provision | 0.15 million yuan |
| Management Expenses (including salaries, welfare, and administrative expenses) | 10.45 million yuan |
| Fundraising Costs | 0.93 million yuan |



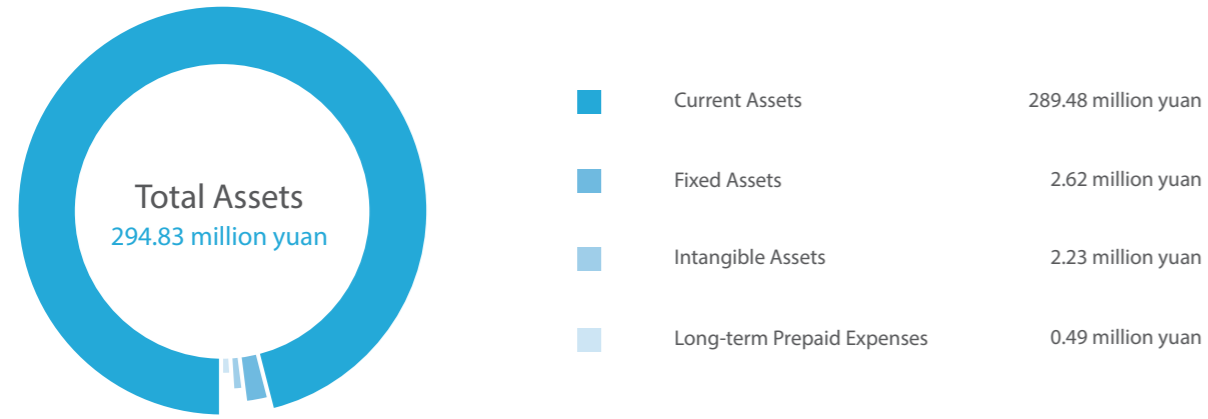
Closing Balance of Net Assets for 2022

293.89 million yuan

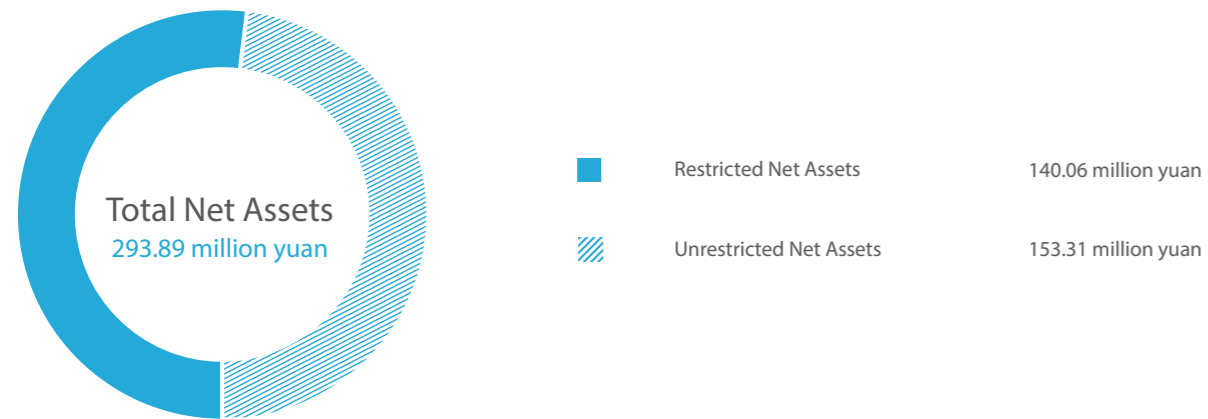
| | |
|--|---------|
| Ratio of Charitable Activity Costs to the Previous Year's Income | 115.13% |
| Proportion of Management Expenses to Total Expenditure this Year | 4.78% |

Assets and Liabilities

SEE Foundation's Asset Status in 2022



SEE Foundation's Net Asset Status in 2022



SEE Foundation's Liability Status in 2022

