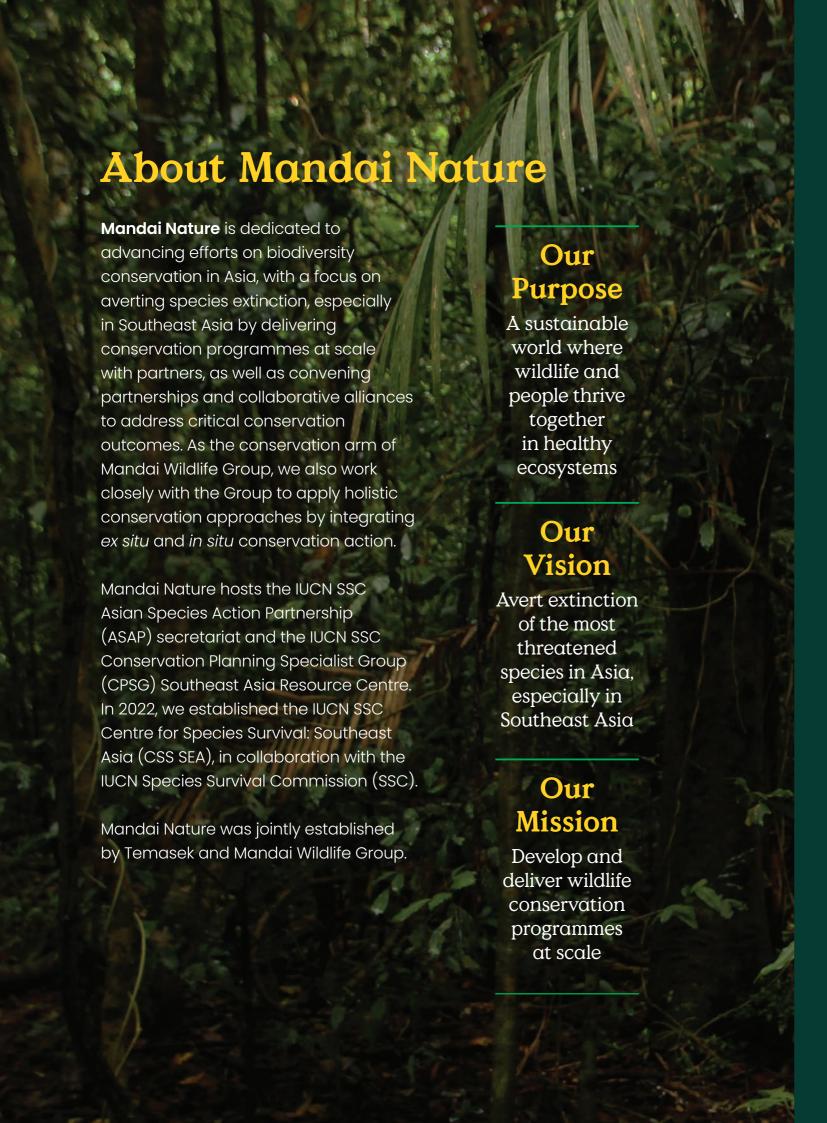


PROTECTING WILDLIFE, PRESERVING THE FUTURE







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Chairman's Message



Robin Hu

Chairman, Mandai Nature Vice Chairman, Asia and Operating Partner, Temasek

here is a growing recognition of the critical importance of conservation, as the stark realities of climate change and biodiversity loss become increasingly undeniable. This shift in awareness is a powerful catalyst for change, making our collective action all the more vital.

How do we bring about meaningful change for the greater good? At Temasek Trust, the focus on the 4Ps - Planet, People, Peace, Progress – highlights key areas where we can effect significant change, a commitment shared by Mandai Nature. However, a fifth 'P' underpins all of these -Partnerships. This is especially true for our work at Mandai Nature. Our mandate to protect and preserve the incredible biodiversity of Southeast Asia is more crucial than ever, but it can only be strengthened through collaborative relationships. From engaging local communities to partnering with other international non-profit organisations, each collaboration bolsters our ability to make a difference.

One of our notable achievements through partnerships was the launch of a web-based Nature-based Solutions (NbS) tool by SCeNe Coalition last year. This freely accessible tool empowers NGOs and community groups in the participation of NbS projects. Its development was made possible only through coalition efforts as well as funding from Google.org and support from Google.com.

We are intensifying our efforts to address the critical issue of unsustainable and illegal wildlife trade in the region through active collaboration. A key initiative is the CITES Global Youth Network, a platform that influences global policy and advocates for increased regulation of wildlife trade through the voices of

youth. Currently operating under the guidance of the National Parks Board of Singapore, the CITES Secretariat and Mandai Nature, we continue to scale our engagements with youth members to drive change in this space. Another pivotal partnership we are eager to develop further is with United for Wildlife. Announced at the inaugural United for Wildlife Summit last November, this partnership will see us build upon their Southeast Asian chapter and strengthen our collective actions to combat unsustainable and illegal wildlife trade in the region.

By working together, we pool our knowledge, skills, and resources, making our conservation efforts more effective and achieving far more than we could alone. We continue to seek new partnership opportunities across disciplines and strengthen existing ones so that we can expand our programmes, amplify our impact, and innovate our approaches.

It is not enough to hope for change. We must actively create it. Every action we take today contributes to a legacy that will benefit all generations. Together, through collective efforts, we can build a better and brighter future where both wildlife and people thrive.

CEO's Message



Dr Sonja Luz

CEO, Mandai Nature

Reflecting on the past year, one word resonates profoundly: 'growth.' It has been a year marked by significant strides and hard work from the team and our partners in the field. Our team has expanded with new members, injecting fresh energy and diverse perspectives that enrich our collective impact. We've forged new partnerships and expanded our conservation efforts, making a tangible difference locally and across the region.

Central to our progress has been our recognition of the transformative potential inherent in our work. This insight has sharpened our strategic focus, particularly in three key locations—the Mandai Wildlife Reserve, Singapore, and Southeast Asia—where we can profoundly impact species, habitats, and people.

Throughout this year, we've rigorously evaluated our outcomes measurement process, aligning our efforts with the ambitious goals set by the Global Biodiversity Framework for a nature-positive world by 2030. Being part of Temasek Trust's ecosystem, our achievements resonate deeply with their impact areas.

As the host of the IUCN SSC Centre for Species Survival: Southeast Asia (CSS SEA), we continue to strengthen our impact through our expertise in assessment, planning, and action for species conservation applying the One Plan Approach to ensure ex situ and in situ tools are well aligned and implemented appropriately. Key initiatives in the past year include co-organising and facilitating a langur action planning workshop aimed at developing conservation actions for 20 *Presbytis* species in Southeast Asia. Additionally, we have supported the Philippine Eagle Foundation (PEF) in scaling up conservation efforts with the iaunch of the SACRED-NBS project.

This project protects wild Philippine eagle populations by safeguarding nesting sites and promoting nature-based solutions with indigenous communities, such as regenerative agroforestry.

I am also especially proud of the new six-year strategy unveiled by the IUCN SSC Asian Species Action Partnership, which reflects its growth from a small collective to a network of over 200 partners that aims to build up conservation capacity and action for some of the most threatened and neglected species in our region.

While celebrating our progress, we remain steadfast in our commitment to nurturing the next generation of conservation leaders. Investing in education, mentorship, and capacity-building through our new Mandai wildlife institute programme pillar, we aim to empower future stewards of biodiversity. By amplifying their voices and providing platforms for collaboration, we can catalyse transformative change for our planet.

Looking ahead, we recognise the challenges before us but also see immense potential for impact. By safeguarding our planet's natural heritage, we uphold the resilience of ecosystems essential for sustaining life as we know it. With unwavering determination, we pledge to protect and restore wildlife and their habitats, striving to leave a legacy of biodiversity richer than the one we inherited. To achieve these ambitious goals, we do not work alone. Together with the Mandai Wildlife Group and alongside our dedicated partners in the field, we are grateful for the steadfast support of our Board, funders, donors and stakeholders. We look forward to forging collaboration with more partners and supporters who share our vision and passion for a sustainable future.

Our conservation impact



More than projects supported and funded in Singapore and Southeast Asia Created positive impact for more than partners in Southeast Asia

Targeted conservation action for over

threatened Southeast Asian species*

*In partnership with IUCN SSC Asian Species Action Partnership

Scaled up on projects to ecosystem restoration and nature-based solutions for climate and community development

Over million invested in biodiversity conservation

INDONESIA

- Anoa
- Babirusa
- Bali myna
- Barusan shama
- Black-winged myna
- Bornean orangutan
- Celebes crested macaque
- Greater green leafbird
- Helmeted hornbill
- Javan gibbon
- Javan green magpie
- Javan warty pig
- Kloss's macaque*
- Komodo dragon
- Mentawai langur*

- Pagai macaque*
- Pig-tailed langur*
- Rote snake-necked turtle
- Rufous-fronted laughingthrush
- Siberut langur*
- Siberut macaque*
- Simeulue hill myna
- Straw-headed bulbul
- Sumatran elephant
- Sumatran laughingthrush
- Sumatran orangutan
- Sunda pangolin
- Tapanuli orangutan
- Yellow-crested cockatoo

*New species added this year.

For the full list of conservation projects supported by Mandai Nature, please refer to the Annex on Page 56.

A NATURE-POSITIVE WORLD

A future for all living beings

We are losing biodiversity at a much faster rate than it can be restored. To reverse this trend, we must protect and recover our wildlife and the natural ecosystems they thrive in, so there will be a future for our planet's inhabitants.

Mandai Nature delivers on our purpose of seeing a sustainable world where wildlife and people thrive together in healthy ecosystems through multiple roles as a:

BUILDER



Build conservation, research and management capacity of local and national NGOs, students and academics, and other stakeholders

CATALYST



Support partners through grants, expertise, and conservation networks

Catalyse and enable conservation field programmes, and research to be delivered through partners

Co-design research projects that provide conservation solutions

CONVENOR

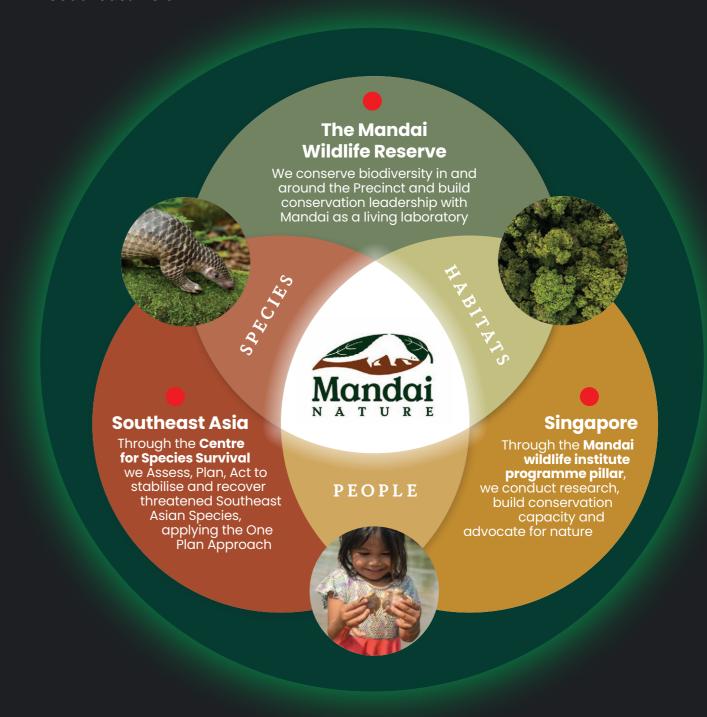


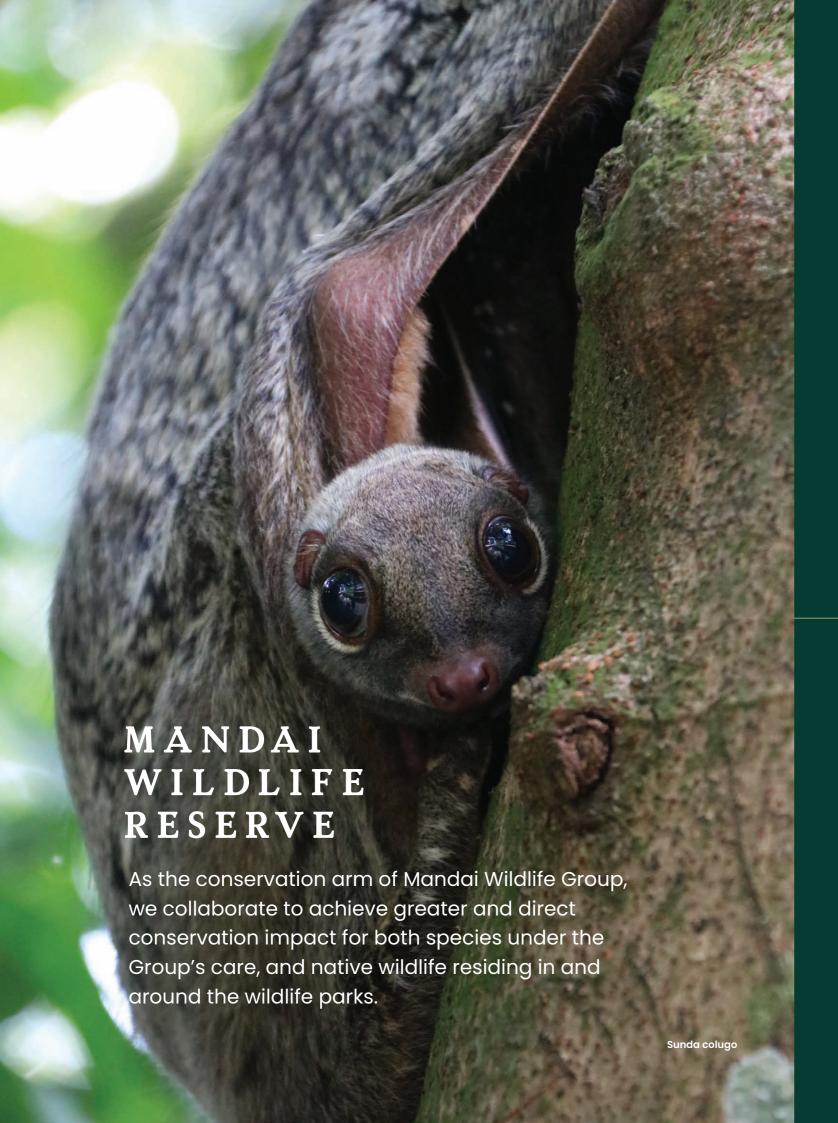
Convene partnerships and host multistakeholder collaborative alliances to address critical conservation outcomes



To achieve our strategic goals and create meaningful impact, we focus our efforts on three geographic areas:

- The Mandai Wildlife Reserve
- Singapore
- Southeast Asia





78

species of herpetofauna and birds recorded during surveys in wildlife parks at the Mandai Wildlife Reserve

1,198

rescued wildlife admitted to Mandai Wildlife Group's Wildlife Healthcare and Research Centre 46

species biobanked under the ESCAR project

16

research papers
published on
animal welfare
and care,
conservation,
wildlife outreach
and education

MANDAI NATURE

THE MANDAI WILDLIFE RESERVE

ONE PLAN APPROACH SPOTLIGHT

Repatriating the Rote snake-necked turtle



Scan or click to watch the inspiring journey of how international stakeholders are working together to save the Rote snake-necked turtle. n August 2023, 33 Rote snake-necked turtles were successfully repatriated from Singapore Zoo to their native Indonesia. This is the second such repatriation, with the first in 2021, with 13 turtles returning to Indonesia.

The move is part of a global partnership among zoos in US and Europe, conservation organisations and governments to save this Critically Endangered species and repopulate the species in its natural habitat. Upon arrival, the turtles were transferred to a breeding facility in Kupang, constructed in 2020 with Mandai Nature's support. The facility is managed by Balai Besar KSDA

Nusa Tenggara Timur (East Nusa Tenggara Conservation Agency). This marks the inception of the first structured collaborative conservation breeding programme for these turtles in their native country.

The teams have also observed successful nesting in Kupang of the turtles from the first repatriation exercise which has resulted in hatching success. Long-term population monitoring and community engagement with the residents around the protected habitats of Rote island are ongoing to ensure sustainable outcomes and long-term impact.





Staff from Mandai Wildlife Group's Veterinary and Animal Care teams prepping the crates ahead of the turtles' repatriation from Singapore Zoo to Indonesia in August 2023.



Staff from East Nusa Tenggara Conservation Agency, with help from Wildlife Conservation Society - Indonesia Program (WCS Indonesia), conducting a health check on the turtles upon their arrival in Kupang, Indonesia.

One Plan Approach

Together, Mandai Wildlife Group and Mandai Nature take a One Plan Approach to conservation, using combined expertise and resources to protect several highly threatened species under the Group's care.

In situ conservation

Protecting threatened wildlife in their natural habitats

Ex situ conservation

Raising awareness and providing a safety net for threatened species outside their natural habitats

Photo credits: Mandai Wildlife Group, East Nusa Tenggara Conservation Agency

Securing a future for the Rote snake-necked turtle

1994

The Rote snake-necked turtle is first described as a species endemic to Rote island in Indonesia. 2012

Mandai Wildlife Group works alongside the East Nusa Tenggara Conservation Agency, supported by WCS Indonesia to evaluate the potential of reintroducing turtles to Rote island. 2015

23 Rote snake-necked turtle hatchlings from breeding programmes in the US and Europe are brought to the Singapore Zoo to establish the first insurance colony for the species in Asia.

2016

Mandai Wildlife Group and Mandai Nature begin supporting field projects by WCS Indonesia, including the construction of a breeding facility in Kupang, East Nusa Tenggara. 2021

13 turtles are successfully repatriated from Singapore Zoo to the breeding facility in Kupang for the first time – establishing the inaugural structured conservation breeding programme in the country.

2022

36 zoo-bred turtles arrive in Singapore Zoo from the Bronx Zoo as part of the collaboration 2023

Another 33 turtles are successfully repatriated from Singapore to the facility in Kupang.

Mandai Nature Impact Report 2023/2024 Mandai Nature Impact Report 2023/2024 Mandai Nature Impact Report 2023/2024

MANDAI NATURE THE MANDAI WILDLIFE RESERVE



BIODIVERSITY PROTECTION IN OUR BACKYARD

the Mandai Wildlife Reserve

ith its verdant landscape, the Mandai Wildlife Reserve - currently home to the Singapore Zoo, Night Safari, River Wonders and Bird Paradise has also become a habitat for the native wildlife in the area. To ensure that the native biodiversity continues to thrive within the precinct for the long-term, Mandai Nature and Mandai Wildlife Group collaborate on biodiversity conservation and management across the Mandai Wildlife Reserve. By working together, the two organisations combine their expertise, resources and efforts to address various conservation challenges and ensure the sustainability of the ecosystems within the precinct.

To implement the plan, a comprehensive understanding of the status

of native wildlife populations in the parks is essential. This information is gathered through regular biodiversity surveys.

Assisted by more than 70 staff and volunteers from local nature groups and species experts, the bi-annual herpetofauna and avifauna surveys conducted across the parks in 2023 recorded a total of 230 sightings of 23 species of amphibians, lizards, snakes and other species, along with 398 sightings across 55 species of birds.

These surveys provide valuable insights into the status and diversity of species, allowing researchers to assess the health of microhabitats within the parks. Based on these findings, mitigation measures can be developed to safeguard existing biodiversity in the area, if necessary.

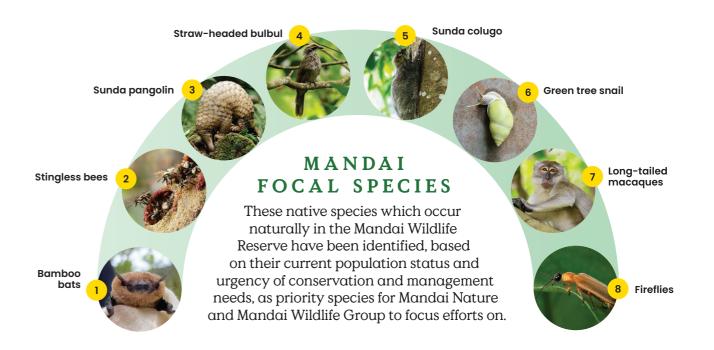








during the surveys ncluded (top to bottom) the blue-eared kingfisher, common areenback manarove cat snake.



SPOTLIGHT

Fostering co-existence with macaques



Wildlife rangers guiding wild macaques away from areas with high human activity in the wildlife parks.

Photo credits: Mandai Wildlife Group, Alan Owyong, David Wee

DUE TO THEIR highly adaptable nature, long-tailed macaques are frequently seen in close proximity to park visitors and staff. For the welfare of the macaques and the safety of visitors, we are working to implement a long-term management approach to promote human-wildlife coexistence through:

- Monitoring troop activities
- Managing human-wildlife interfaces
- Capacity building and awareness
- Training wildlife rangers, staff and volunteers to carry out monkeyguarding, a technique which safely guides macaques away from areas with high human activity and encourages them to use arboreal crossings



Specially designed monkeyproof bins have been placed in the parks to reduce access to human waste.

MANDAI NATURE

THE MANDAI WILDLIFE RESERVE

Giving rescued native wildlife a second chance

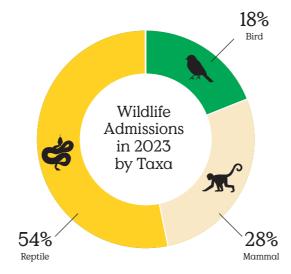
andai Wildlife Group's Wildlife Healthcare and Research Centre (WHRC) is one of the designated centres for rescued wildlife in Singapore. Together with Mandai Wildlife Group, Mandai Nature offers expertise for rehabilitating native wildlife rescued across Singapore by partners such as National Parks Board of Singapore and Animal Concerns Research and Education Society (ACRES). Rescued wildlife are brought to WHRC where they receive specialised care and treatment from the Group's Veterinary Healthcare team, until their condition has stabilised and they are assessed to be suitable for release back into the wild.



Veterinary Healthcare team with rescued wildlife at the Wildlife Healthcare and Research Centre.

What species did we treat at the Wildlife Healthcare and Research Centre?

In 2023, 1198 rescued wildlife were admitted to the Wildlife Healthcare and Research Centre at the Mandai Wildlife Reserve.



SPOTLIGHT

Handraising "Springle" the Sunda Pangolin



Dr Charlene Yeong from Mandai Nature with Springle during his recovery period.

Photo credits: Mandai Wildlife Group

SPRINGLE, a juvenile Sunda pangolin was found without a parent and brought to WHRC where it was entrusted into the care of the veterinary team.

Upon arrival, he underwent treatment for minor injuries and infections, receiving dedicated care from the team including tube feeding to ensure he received the necessary nutrients. As he grew bigger and stronger, the team took him outdoors for walks to facilitate his learning of foraging and tree climbing – skills that are crucial for survival in his natural habitat. After one and a half months, Springle was ready to return to the wild and was successfully released.



Scan or click to watch Springle's road to recovery.



The babirusa (left) and Bornean bearded pig (below).



Saving endangered species through assisted reproductive technology

ssisted reproductive technology (ART) plays a significant role in ensuring the long-term survival of threatened species. It supports ex situ conservation efforts by enhancing breeding success in managed reproductive programmes, and preserving genetic diversity to facilitate future breeding attempts.

As part of a joint research collaborative effort, Mandai Nature hosts and supports the Endangered Species Conservation via Assisted Reproduction (ESCAR) project, in partnership with Mandai Wildlife Group and the Institute of Molecular and Cell Biology (IMCB) at A*STAR.

The project aims to reprogram Induced Pluripotent Stem Cell (iPSC) from selected model species such as the Bornean bearded pig and babirusa, forming viable iPSC embryos for future applications in endangered species reproduction and recovery.

Contributing to global wildlife biobanking

As part of this project, the ESCAR team established and maintains a biobank of biological samples, including somatic cells, gametes, DNA, tissues and iPSC. This biobank serves as a genetic repository in Southeast Asia, contributing to a global effort to develop wildlife biobanking capabilities, and are a valuable resource for conservation and research.

Understanding the importance of biobanking in safeguarding biodiversity, Mandai Nature is a participating member of the newly-established IUCN SSC Animal Biobanking for Conservation Specialist Group.











species are currently being biobanked, including:

Ungulates

Primates

Carnivores

Others

Photo credits: Mandai Wildlife Group



MORE THAN

S\$125,000

awarded to Singapore researchers to conduct projects focused on protecting native wildlife

MORE THAN

20,000

people reached through the Our Wild Neighbours campaign

MORE THAN

300

aspiring conservationists attended World Wildlife Day Regional Youth Symposium 2024

Advancing Singapore's conservation research capacity

In conjunction with World Habitat Day 2023, Mandai Nature relaunched its flagship local grant programme, the Singapore Conservation Impact Grant, replacing the former 'Wildlife Reserves Singapore Conservation Fund' (WRSCF).

Aimed at deepening the understanding and knowledge of local biodiversity to bolster conservation endeavours, Mandai Nature also hopes this grant supports the researchers and builds local capacity by equipping them with the resources needed to turn passion and ideas into action.

About the Singapore Conservation Impact Grant

The Grant provides S\$200,000 in annual funding to Singapore-based projects that prioritise contributions to Singapore's City in Nature goals of: Biodiversity, Ecological connectivity, and Biophilia.



Biodiversity

Maintaining or enhancing biodiversity, protecting and managing species, ensuring healthy wildlife populations, and the rescue, rehabilitation and release of wildlife

Ecological Connectivity

Improving habitat quality, enhancing habitat connectivity, and restoring ecologial functions of flora and fauna





Biophilia

Increasing appreciation for wildlife, reducing undesirable human-wildlife interactions, and improving competency and capacity of wildlife rehabilitation and conservation

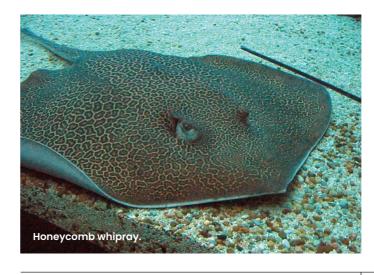
In January 2024, three Singapore researchers were awarded grants to conduct projects focused on conserving Singapore's native wildlife.





to learn more about applying for the Singapore Conservation Impact Grant.

Examining the impact of recreational fishing on wild shark and ray populations in Singapore's waters



Dr Zeehan Jaafar

Senior Lecturer Department of Biological Sciences, National University of Singapore

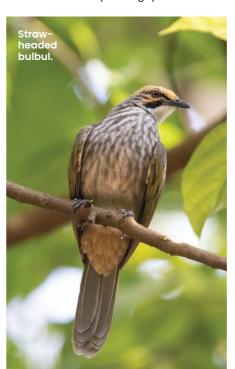
THE PAST FIVE YEARS have seen an unprecedented number of reports of sharks and rays landed by anglers, either highly prized as a challenge to reel in or sought for consumption. However, apart from areas which are off-limits to anglers, there are no regulations governing recreational fishing in Singapore.

Dr Zeehan and her team are developing a best practice framework for the management of recreational fishing that protects sharks and rays in Singapore.

Mapping out the life history and ecology of Singapore's songbirds

Mr Keita Sin

MSc student National University of Singapore



AS MUCH AS

30 per cent of

known local bird species have been threatened by land use changes in the last 200 years, but not much of their life history and ecology has been documented. To better understand the species, Keita and his team are using GPS spatial tracking to map out the home

ranges, nesting ecology and population dynamics of Singapore's songbirds. These insights can inform priority areas for conservation actions.

Photo credits: Anne Hoggatt, Keita Sin, Ng Yi Long

Investigating and establishing a breeding programme for horseshoe crabs

Mr Ng Yi Long

Lecturer Republic Polytechnic

SINGAPORE IS HOME to two of the four extant species of horseshoe crabs - but land reclamation and coastal degradation has resulted in the decline of horseshoe crab populations in Singapore.

Yi Long and his team are investigating the distribution of both coastal and mangrove horseshoe crabs in Singapore, as well as establishing a captive breeding programme for the coastal horseshoe crab.





Singapore's Raffles' banded langur population projected to grow to over 240 individuals by 2071

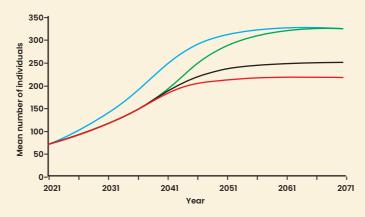
research paper co-authored by researchers from Singapore and the Oxford Brookes University in the United Kingdom revealed promising prospects for the Raffles' banded langur in Singapore. Once thought to be on the verge of extinction on the island, a population viability assessment delivers uplifting news that the langur population is anticipated to double in the next 15 years, growing from 75 to over 150.

The findings are a relieved contrary to previous research from the 1990s which suggested the likely extinction of the Raffles' banded langurs within 40 years due to habitat loss and fragmentation.

It also emphasises the importance of putting in place the right protection and management measures, which can help bring a species back from the brink of extinction.

Mean number of projected individuals





Baseline projection with adjustments made across different threat and management scenarios showing the mean number of extant individuals for each scenario over a 50-year period.

The Raffles' Banded Langur Working Group, comprising various nature organisations and government representatives, was established in 2016 to ensure langur habitats are protected and restored. Managed and funded by Mandai Nature, the Working Group has been spearheading a Species Action Plan, implementing measures that have improved habitat protection, population research and public awareness. These cumulative efforts have steadily improved outcomes for the species.

While noteworthy progress to conserve the langurs has been achieved, there remains work to be done, particularly in enhancing connectivity and identifying suitable habitats for the species.

Researchers highlighted that even a slight increase in deaths within the population could tip the scales and lead to a reduction in population size within the next 50 years.

Using ecological software to model population changes under different scenarios, the paper identified the loss of unprotected habitat as the greatest current threat to the population. The langurs are also particularly vulnerable to fatalities from road accidents, which occur as they attempt to cross roads between forest areas.

"This forecast signifies an important stride towards the conservation and recovery of this Critically Endangered species in Singapore. But, there is still much to be accomplished in preserving the Raffles' banded langur and Singapore's natural heritage, which includes the protection of remaining habitats."

Dr Andie Ang

Head of Primate Conservation and Singapore Programmes, Mandai Nature; Chairperson, Raffles' Banded Langur Working Group



An infant langur named "Caramel" through a public vote.



The Raffles' Banded Langur Working Group has built a dedicated community of over 520 citizen scientists who have been involved in documenting the langurs in Singapore's nature parks.

Photo credits: Law Jia Bao, David Chen



Scan or click to read the full paper "Population viability analysis of the population of Raffles' banded langurs Presbytis femoralis in Singapore'.

Growing Southeast Asia's youth conservation network



The Mandai Nature team with Mandai Wildlife Group colleagues and regional youth partners on Day 1 of the World Wildlife Day Regional Youth Symposium.

ver 300 young conservationists from 15 countries, including 30 representatives from Mandai Nature's regional partners, converged in Singapore for the World Wildlife Day Regional Youth Symposium held on 24 and 25 February 2024. Organised by National Parks Board's Youth Stewards for Nature and supported by Mandai Nature and the ASEAN Centre for Biodiversity, participants saw an exciting line-up of speakers, panel discussions, group activities, youth project showcases and workshops.

This year's theme on "Connecting People and Planet: Exploring Digital Innovation in Wildlife Conservation," ignited discussions around how technology can drive wildlife conservation, combat illegal wildlife trade, and promote human-wildlife coexistence.

On Day 2, Mandai Nature hosted workshops at the Singapore Zoo and Bird Paradise, taking participants on guided tours of the parks and behind the scenes of how wildlife conservation and management work is being carried out to ensure that native biodiversity can thrive in the precinct.





Participants attending a workshop at the Singapore Zoo to learn about technological innovations used in wildlife conservation.

Photo credits: World Wildlife Day Regional Youth Symposium organising committee, Mandai Wildlife Group



SINGAPORE

OWN team and volunteers with Minister of Parliament Edward Chia at the OWN Travelling Roadshow at Senja Hawker Centre.



Dr Charlene Yeong from Mandai Nature volunteering at the OWN outreach booth during the Woodlands Regional Library leg of the OWN Travelling Roadshow library tour.

BUILDING BRIDGES

Nurturing harmony between people and wildlife

eveloped by the Urban Wildlife Working Group and launched in 2022, the Our Wild Neighbours (OWN) campaign unites key stakeholders in a concerted effort to raise awareness about native biodiversity, promote co-existence with local wildlife, and spotlight rescue, rehabilitation and release efforts by various organisations in Singapore.

Mandai Nature is a majority funder of the campaign, and with the support of key partners like ACRES, OWN initiated an island-wide educational campaign in the past year, yielding significant outreach impact:

- Launched a website which has reached an estimated 14,000 people across Singapore in 2023
- Organised and conducted 20 outreach programmes, including 3 travelling roadshows in Singapore's heartlands
- Engaged more than 20,000 people at in-person events and through online channels
- Published 17 blog articles in 2023 authored by various OWN partners, each sharing about their respective areas of expertise



Photo credits: Our Wild Neighbours (OWN), Jane Goodall Institute (Singapore)

OWN Core Committee







A storytelling programme by the Jane

Institute (Singapore)

at Punggol

of the OWN

Travelling

Roadshow library tour.

Regional Library as part





MANDAI NATURE SINGAPORE

andai Nature joined over 20 nature organisations in the Festival of Biodiversity on 27 and 28 May 2023. Organised by the National Parks Board, this annual outreach event aims to raise awareness about local biodiversity and conservation efforts through a line-up of interactive booths and workshops.

At Mandai Nature's booth, visitors learned about our collaborative efforts with Mandai Wildlife Group to protect local biodiversity found in the vicinity of the Mandai Wildlife Reserve and across Singapore. Ongoing conservation efforts for native species like stingless bees, Sunda colugo, straw-headed bulbul and the Raffles' banded langur were highlighted. Over 20,000 visitors attended the Festival in 2023.

ENGAGING COMMUNITIES

Championing Singapore's biodiversity

Colleagues from Mandai Nature and Mandai Wildlife Group engaging with booth visitors. Many were intrigued by the unique-looking Chrisangi leaf insects at the booth. The insects are part of an insurance colony at Singapore Zoo.



Photo credit: Mandai Wildlife Grouj

Mondoi



Collective actions to protect Singapore's native wildlife

SINGAPORE has several working groups comprising multiple stakeholders from government agencies to conservation organisations and independent parties. These groups, some of which Mandai Nature are involved in, unite with the shared goal of driving conservation and management efforts of native wildlife to ensure they can thrive in our city-state.



Raffles' Banded Langur
Working Group
(Chaired by Mandai Nature)



Urban Wildlife
Working Group
(Chaired by Mandai Nature)



Straw-headed BulbulWorking Group



Long-tailed Macaque Working Group



Otter
Working Group



Singapore Freshwater Crab Working Group

SPOTLIGHT

Singapore Pangolin Working Group

CO-CHAIRED by Mandai Nature and Mandai Wildlife Group, the Singapore Pangolin Working Group (SPWG) comprises members from various agencies, NGOs, educational institutions and individuals, all working together to drive conservation efforts for the Sunda pangolin in Singapore.

In 2024, SPWG held a workshop to review the National Conservation Strategy and Action Plan for the species. Conservation efforts will be largely focused on population management, threat mitigation, research and outreach.





Members of the Singapore Pangolin Working Group at a workshop held this year to review the National Strategy and Action Plan produced in 2018.

Photo credit: Mandai Nature

MANDAI NATURE SINGAPORE

Cultivating future conservation leaders

andai Nature is investing in higher education, mentorship and capacity-building through the establishment of the Mandai wildlife institute programme pillar. This effort aims to develop Southeast Asia's talent pipeline and nurture future leaders in conservation.

Leveraging on the Mandai Wildlife Reserve as a "living laboratory" for scientific research, the programme will serve as a capacity-building platform for wildlife conservation and science in Singapore and the region. It will complement and scale Mandai Nature's work across three key pillars:



Science and Research

 Enable and conduct conservation relevant research that focuses across ex situ and in situ populations and results in practical solutions, knowledge products and tools that help implement stronger and faster impact on the ground



Conservation Capacity Development

- Build up conservation awareness and capabilities amongst students
- Develop and deliver general conservation programmes to educate students on key conservation issues, and more specialist training programmes for local and regional conservation professionals



Public Outreach and Advocacy

- Advocate for and contribute to Singapore's drive to be a biophilic City in Nature, and for a nature-positive future across the region, by helping to mainstream biodiversity into everyone's lives and the business community
- Use social science research and media outreach to drive behaviour change



Youth participants during a focus group discussion at the World Wildlife Day Regional Youth Symposium.



Mandai Nature hosting a workshop for World Wildlife Day Regional Youth Symposium participants at Bird Paradise.

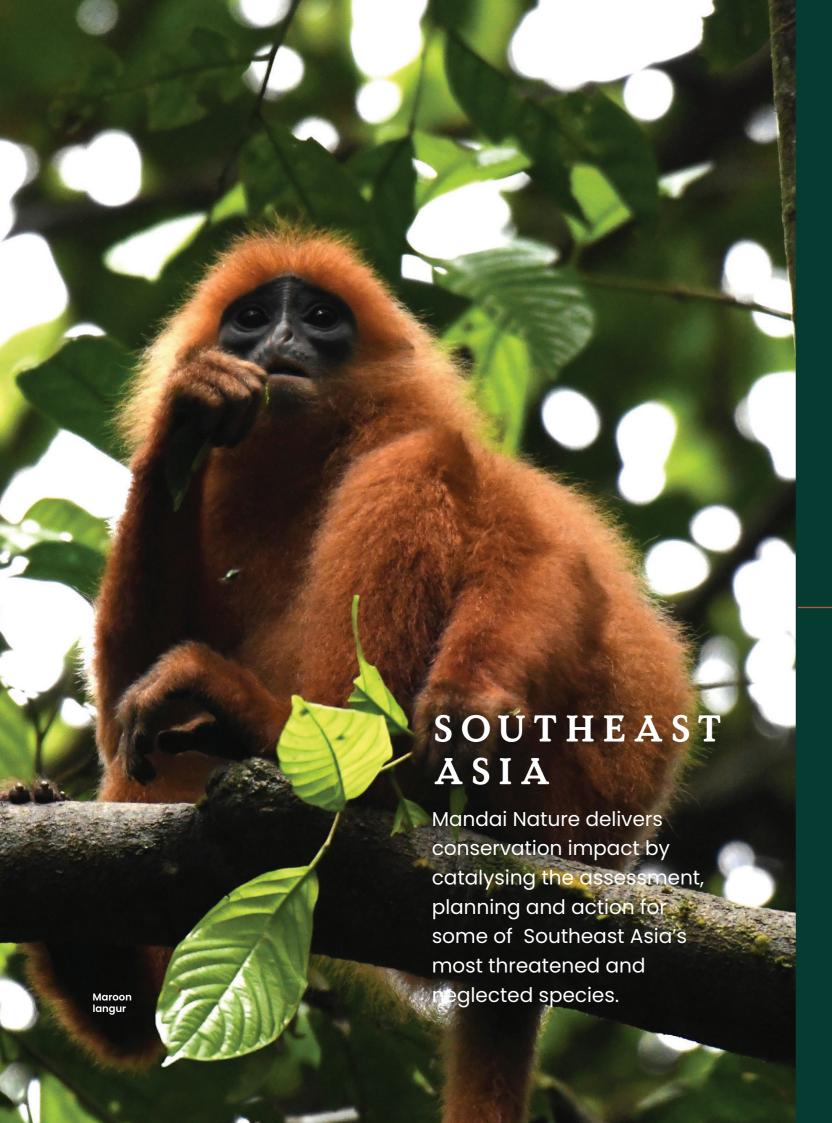
To date, activities under this programme pillar include the establishment of the Singapore Conservation Impact Grant (see Page 22) and key support for the World Wildlife Day Regional Youth Symposium (see Page 26).



A researcher from the National Institute of Education at the Nanyang Technological University using radio telemetry to track colugo movements as part of a research partnership at Mandai.

Photo credit: World Wildlife Day Regional Youth Symposium organising committee, Mandai Nature

Mandai Nature Impact Report 2023/2024 Mandai Nature Impact Report 2023/2024 Mandai Nature Impact Report 2023/2024



MORE THAN 78,000

seedlings planted as part of forest restoration or enhancement efforts

OVER

288

tonnes of wildlife-friendly products, including sustainable crops, produced AT LEAST 443,306

hectares of critical landscape protected

AT LEAST

4,000

individuals engaged in capacity building programmes for conservation education and awareness MANDAI NATURE SOUTHEAST ASIA

DRIVING SPECIES RECOVERY

The IUCN SSC Centre for Species Survival: Southeast Asia

The IUCN SSC Centre for Species Survival: Southeast Asia, hosted by Mandai Nature, aims to evaluate the status as well as plan and implement steps for the recovery of threatened species in the region within the "Assess, Plan, Act" conservation framework.

ASSESS



Supporting IUCN Red Listing processes in the region and facilitating Assess-to-Plan (A2P) workshops





Enhancing species planning for key species through integrated approaches and alignment of conservation priorities through the IUCN SSC Conservation Planning Specialist Group (CPSG) Southeast Asia Resource Centre





Acting through funding and in-kind support for over 40 conservation projects in Southeast Asia, with non-profit organisations delivering conservation programmes on the ground:





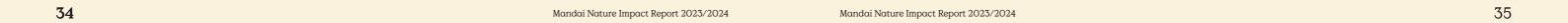
Acting through strategic partnerships and coalitions to address the species extinction crisis and critical conservation issues in Southeast Asia:







 $For the full \ list of conservation\ projects\ supported\ by\ Mandai\ Nature, please\ refer\ to\ the\ Annex\ on\ page\ 56.$



PLAN

Center for Species Survival

Proudly hosted by Mandai Nature

ACT

MANDAI NATURE SOUTHEAST ASIA



Developing a plan for threatened primates under the *Presbytis* genus

ound only in Southeast
Asia, many primates under
the *Presbytis* genus, more
commonly known as 'langurs', are in
decline due to a variety of threats.

In August 2023, Mandai Nature, IUCN SSC Primate Specialist Group and IUCN SSC Conservation Planning Specialist Group co-organised and co-facilitated a *Presbytis* action planning workshop. Primate experts and conservation practitioners from various organisations and agencies convened for the session in Kuching, Sarawak.

The objective was to develop a *Presbytis* Conservation Action Plan aimed at slowing or reversing the decline of 20 *Presbytis* species found in Singapore, Malaysia, Indonesia, Brunei, Thailand and Myanmar.

Photo credits: Chien Lee, Mandai Nature



Workshop participants utilising Assess-to-Plan (A2P) approaches to identify knowledge gaps, determine habitat needs, assess threat levels and outline respective corresponding conservation actions.

PLAN

Developing a strategic roadmap for the conservation of Javan species at the Cikananga Conservation Breeding Centre



Participants at a threeday workshop identifying priority actions to be carried out within Cikananga Conservation Breeding Centre in the next three years.

Scan or click

feature on the

conservation

efforts being

carried out at

Conservation

Breeding Centre

Cikananga

to watch a

breeding

ocated in West Java,
Indonesia, the Cikananga
Conservation Breeding
Centre was established as a safety
net for threatened Javen-endemic
species, especially those impacted
by the unsustainable and illegal
wildlife trade.

Mandai Nature, Chester Zoo and most recently, Hellabrunn Zoo, have been jointly supporting Cikananga Conservation Breeding Centre in the running of ex situ and in situ conservation programmes for six endemic Javan species, including the Javan green magpie, blackwinged myna and rufous-fronted laughingthrush.

In August 2023, teams from the three organisations visited Cikananga Conservation
Breeding Centre to develop a comprehensive joint strategy for the conservation of these species. The group was joined by colleagues from Mandai Wildlife Group's Veterinary and Animal Care teams who lent their expertise in capacity building for animal management.

Photo credits: Cikananga Wildlife Centre, Mandai Wildlife Group





The rufousfronted laughing thrush (left) and blackwinged myna (top), two of the Critically Endangered Javan species found in Cikananga Conservation Breeding Centre.



strategic roadmap to accelerate action for 90 Critically Endangered Southeast Asian freshwater fish species was developed and launched by the IUCN SCC Asian Species Action Partnership, SHOAL and Mandai Nature in July 2023.

The comprehensive framework provides key information, in-depth analysis and actionable recommendations that would swiftly address population declines and facilitate the recovery of highly threatened fish species to achieve immediate and long-term conservation impact.

Rapid loss and degradation of natural habitats have been identified as the primary threat to nearly all Critically Endangered freshwater fish in Southeast Asia, with deforestation, conversion of wetlands, aquaculture and agriculture production, pollution, and hydropower development reducing suitable habitats, causing habitat fragmentation and impacting water quality.

To address these concerns, the framework outlines eight urgent priorities including identifying conservation measures and recommendations for local site-based efforts, addressing issues around trade and fisheries and establishing *ex situ* breeding programmes.

Yet, freshwater fish are among the most highly threatened taxa globally with one third of all freshwater fish species threatened with extinction.



Scan or click to read the full report, "The Strategic Framework to Accelerate Urgent Conservation Action for ASAP Freshwater Fishes in Southeast Asia".



Betta cracens, a peat swamp forest freshwater fish species from Indonesia, identified to have high potential for successful ex situ conservation.



Mekong Giant Catfish *Pangasianodon gigas*, one of the largest freshwater fish in the world.

THE CASE FOR

freshwater fish conservation in Southeast Asia

30%

of the world's freshwater fish species are found in Southeast Asia.



Tens of millions

of people in Southeast Asia rely on freshwater fish for their livelihoods and vital source of protein.



14

new freshwater fish species were described from Southeast Asia in 2022.



90

freshwater fish species in Southeast Asia are Critically Endangered - high chance of extinction if action is not taken immediately.

90%

of these Critically Endangered fishes are endemic to a single country within Southeast Asia.



Mekong Giant Catfish

found only in the Mekong River basin, is one of the largest freshwater fish in the world weighing up to 300kg and growing to 3m in length.



Photo credits: Mandai Wildlife Group, Wenshi Tian, Teerapong Pomun.

Mandai Nature Impact Report 2023/2024 Mandai Nature Impact Report 2023/2024 Mandai Nature Impact Report 2023/2024



Saving the primates of Mentawai

SPECIES

Six highly threatened primate species, including the Critically Endangered Mentawai langur and pigtailed langur

WHERE

Mentawai islands, Indonesia

PARTNERS
Andalas University
SwaraOwa

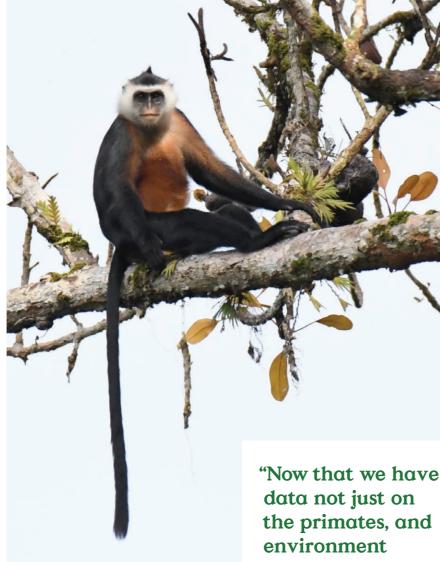
THE

Comprising about 70 islands off the west coast of Sumatra, Indonesia, the

Mentawai islands are home to several highly threatened primate species. However, the looming threat of human development poses a significant risk to the survival of these primates and Mentawai's rainforests.

Mandai Nature is collaborating with SwaraOwa and Andalas University to support ongoing efforts, actively participating in field surveys across the five main islands where these primates reside.

These surveys, coupled with interviews with local communities, aim to assess population numbers, identify threats to the primates, and gauge community attitudes towards biodiversity conservation. The findings will inform the development of an integrated habitat and species conservation plan for the next phase of the project.



Mentawai langur observed during a field survey on the islands undertaken in 2023.



Student teams from Andalas University conducting field work and documenting their observations on Mentawai.

data not just on the primates, and environment but also local communities, we can further education and research efforts to protect the natural heritage in the area."

Dr Andie Ang

Head of Primate Conservation and Singapore Programmes, Mandai Nature



Giving a lifeline to Palawan's endemic species

SPECIES

- Palawan forest turtle
- Philippine pangolin
- Philippine cockatoo

WHERE

Palawan islands, the Philippines

PARTNER

Katala Foundation Inc

"The Katala
Foundation is doing excellent work across a number of locations to run rescue centres; breed and release critically endangered species; protect and restore habitats; and engage with local communities and government officials."

Mike Barclay

Group CEO, Mandai Wildlife Group Director, Mandai Nature



Palawan's unique and highly endemic biodiversity includes Critically Endangered species like the Palawan forest turtle, the Philippine pangolin, and the Philippine cockatoo. But these incredible wildlife species are faced with threats of poaching

from the wildlife trade and habitat loss, leading to severe declines in their populations across the archipelago.



Katala Foundation Inc runs multiple conservation programmes aimed at protecting the populations and habitats of these Critically Endangered species. Intiatives include field surveys, scientific research, community outreach and habitat restoration

efforts. Breeding efforts at the Katala Institute of Ecology and Biodiversity Conservation aim to release Palawan forest turtles and Philippine cockatoos into the wild. 22 turtles bred there have been successfully released into protected areas.



A field researcher conducting a night-time survey to assess the status of Palawan forest turtle populations.



The first Palawan forest turtle was bred under human care in 2018.



Philippine cockatoos under human care at the Katala Institute of Ecology and Biodiversity Conservation.

Photo credits: Katala Foundation Inc, Mandai Wildlife Group

Photo credits: Andalas University, Mandai Nature

MANDAI NATURE SOUTHEAST ASIA



SPECIES

Multiple Critically Endangered species, including the Sumatran orangutan and Sumatran rhinoceros

NHERE

Leuser ecosystem, Sumatra, Indonesia

PARTNER

A consortium of nongovernment organisations comprising Yayasan Orangutan Sumatera Lestari - Orangutan Information Centre, Forum Konservasi Leuser, Hutan, Alam dan Lingkungan Aceh, and Yayasan Ekosistem Lestari



Protecting the Leuser ecosystem

"As our conservation efforts have grown, so has our commitment to conserving the Leuser ecosystem. Our project now encompasses vital reforestation initiatives and is deepening engagement with local villages to ensure they can thrive alongside nature."

Prashant Mahajan

Head of Ecosystems and Climate Change, Mandai Nature

42



Spanning 2.6 million hectares, the Leuser ecosystem is the last remaining forest

where megafauna like Sumatran orangutans, rhinoceros, elephants and tigers still roam together in the wild. Deforestation has fragmented key wildlife populations and resulted in increased instances of human-wildlife conflict, among other detrimental effects.



Mandai Nature actively supports a consortium of organisations focused on restoring

the Leuser ecosystem and helping local communities thrive through long-term sustainable solutions. These include enhancing livelihood security through forest restoration efforts conducted by local women's groups and providing training in developing and selling local commodities through e-commerce platforms. Patrolling initiatives are also being carried out to strengthen resilience against

illegal activities and safeguard biodiversity and natural resources in the area.



Community-based activities targeted at empowering womens' liveilhoods in Tenggulun village.



A member of a women's restoration group planting seedlings to help restore 20 hectares of degraded forest in Gunung Leuser National Park.

Photo credits: Orangutan Information Centre, Mandai Nature

ACT

Community and culture-based conservation for the Philippine eagle

SPECIES

Philippine eagle

VHFRF

Mindanao island, the Philippines

PARTNER

Philippine Eagle Foundation



With an estimated 400 pairs left in the wild, the Critically Endangered Philippine

eagle is one of the world's rarest eagles. Unfortunately, remaining populations face pressure from habitat loss for human land use, shooting and trapping. As the national bird of the Philippines, it also holds immense cultural significance amongst many indigenous communities in upland areas.



Mandai Nature supports the Philippine Eagle Foundation (PEF) in adopting an

integrated approach to conserve the species. In November 2023, PEF launched the Saving Cultures, Rivers and Endangered Biodiversity within Indigenous Territories through Nature-based Solutions (SACRED-NBS) initiative. This programme aims to safeguard wild Philippine eagle populations by protecting nesting sites and working closely with indigenous communities to promote nature-based solutions such as regenerative agroforestry.



hilippine eggle

"The SACRED-NBS project recognises the strong cultural and spiritual importance the Philippine eagle holds among indigenous communities, bringing with it a whole new layer to conservation efforts."

Dr Jessica Lee

Head of Avian Programmes and Partnerships, Mandai Nature



Mandai Nature and Philippine Eagle Foundation at the launch of the SACRED-NBS project at the Philippine Eagle Centre in Davao city, the Philippines.

Photo credits: Mandai Wildlife Group, Philippine Eagle Foundation





A RENEWED STRATEGY FOR ASAP

Investing in the people who will save species

n March 2024, the IUCN SSC Asian Species Action Partnership (ASAP), a partnership hosted by Mandai Nature, unveiled a renewed six-year strategy (2024 – 2030), with a focus on expanding the scale and impact of ASAP Species conservation.

The strategy reflects ASAP'S growth from a small collection of organisations to a community of more than 200 partners spanning 30 countries.

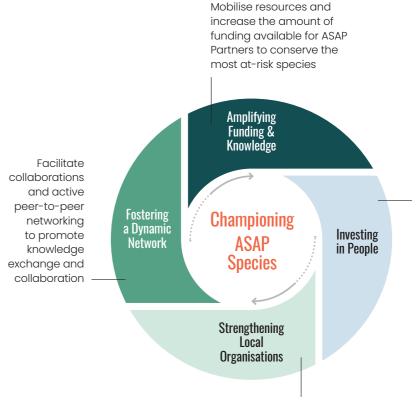


The Critically Endangered Botsford's leaf litter frog, found only in the Hoang Lien National Park, Vietnam.



With the renewed strategy comes a refreshed logo for ASAP, which takes inspiration from Southeast Asia's Critically Endangered species.

ASAP's approach sparks a transformative investment in both individuals and organisations committed to safeguarding Southeast Asia's most threatened species. These four key goals form the backbone of the new strategy:



Empower conservationists in Southeast Asia through training programmes that advance skills, foster personal and professional growth, and enhance overall well-being

Providing direct and tailored support to Southeast Asian conservation organisations to help build resilience and overcome challenges



Animal keepers at the Angkor Centre for Conservation of Biodiversity.

Photo credits: Benjamin Tapley, Christel Griffioen, Elizabeth Zhang



Bengal florican chick with caretaker at the Angkor Centre for Conservation of Biodiversity.



Scan or click to access ASAP's 2024-2030 strategy – "Investing in the people who will save species"





Driving positive outcomes for nature, people and climate in Southeast Asia

he Southeast Asia Climate and Nature-based Solutions (SCeNe) Coalition was officially launched in June 2023, signifying a collective commitment from its eight members to accelerate and drive investment in the delivery of high-quality, triplebenefit Nature-based Solutions (NbS) in Southeast Asia.

SCeNe also unveiled a web-based NbS tool at the Singapore Pavilion at COP28 in November 2023. The innovative tool empowers frontline organisations such as local non-profits and community groups, as well as investors of NbS projects, by enabling access to data, information and project documentation.

The Coalition is actively engaged in supporting the scoping and development of NbS for Climate projects and establishing guidance criteria for such initiatives in Southeast Asia. Additionally, an incubator to equip frontline organisations in developing NbS projects through tailored support is underway.

Photo credit: Everland



Scan or click to learn more about the SCeNe Coalition



Scan or click here to explore the NbS tool

MAIN FEATURES

NbS tool



Interactive map

Enables users to analyse current conditions and triplebenefit potential based on 46 data layers on nature, people and climate



Data Analyser

Generate baseline data and benefit data from a polygon or point of interest selected by users



Project management

Oversee created projects, generate document templates, download data, and perform actions on project documents



ON THE GLOBAL STAGE

A pledge to end illegal and unsustainable wildlife trade

he United for Wildlife
Global Summit was held
in Singapore for the first
time in 2023. Founded by His
Royal Highness Prince William and
the Royal Foundation, the event
saw global leaders representing
conservation, law enforcement,
government, as well as private
sector players, convene to take
decisive action in ending the illegal
wildlife trade.

Mandai Nature was proud to be a part of the summit, where we had the opportunity to showcase conservation achievements for the Rote snake-necked turtle alongside regional partners from the Ministry of Environment and Forestry, Republic of Indonesia and Wildlife Conservation Society – Indonesia Program.

In line with the summit's focus on international collaboration to tackle wildlife crime, His Royal Highness Prince William also announced that United for Wildlife would partner Mandai Nature to expand upon ongoing initiatives under the organisation's Southeast Asia chapter.









Colleagues from Mandai Nature spotlighted conservation efforts for the Rote snake-necked turtle as part of a showcase on success stories from the region, and shared about their journey working in the conservation space.

Photo credit: United for Wildlife



Kickstarting a youth network for conversation and action around wildlife trade



Hwang Yu-Ning, CEO, National Parks Board of Singapore (left) and Steffi Tan, co-founder of the CITES Global Youth Network (CGYN) (right) at the 77th Meeting of the CITES Standing Committee.

ollowing a proposal presented by the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) Singapore delegation at the 77th CITES Standing Committee in 2022 to set up a youth-led network, the establishment of the CITES Global Youth Network (CGYN) was kickstarted in November 2023.

The CGYN was established to provide a platform for knowledge sharing and networking for young conservation leaders to understand the intricacies of sustainable wildlife trade. With CGYN based in Singapore, it currently operates under the guidance of the National Parks Board of Singapore, the CITES Secretariat and Mandai Nature. One of the key initiatives they are planning for is the CITES Youth Leadership Programme in 2024.

"Initiatives like CGYN provide a platform for meaningful youth engagement in nature conservation. By investing in and empowering our youth as emerging leaders, we not only unlock their potential as key partners in driving impactful change on pressing issues like illegal and unsustainable wildlife trade, but also build their capacity to lead."

Dr Jessica Lee

Head of Avian Programmes and Partnerships, Mandai Nature Advisor to CGYN

Photo credit: National Parks Board of Singapore



Field surveys in the Pekan peat swamp coordinated and co-organised by Mandai Nature .

FORGING TRANSNATIONAL CONSERVATION ALLIANCES

Collaborative efforts with Pahang, Malaysia

andai Nature and Mandai Wildlife Group have forged a conservation partnership with counterparts in Pahang, Malaysia, to bolster conservation efforts of highly threatened species including the Malayan tiger, as part of the Memorandum of Understanding signed between the National Parks Board of Singapore and the Pahang Biodiversity Council.



Mandai Nature and Mandai Wildlife Group participated in the the first Pahang Tiger Summit and launch of the Al-Sultan Abdullah Royal Tiger Reserve, a new 1,340sq km nature park to conserve remaining Malayan tiger populations in the area.





A Singapore delegation, including representatives from Mandai Nature engaged with counterparts from Pahang in a workshop aimed at mapping out bilateral biodiversity collaboration strategies.



conservation planning workshop for five species including the Malayan tiger and straw-headed bulbul on the sidelines of the government meeting.

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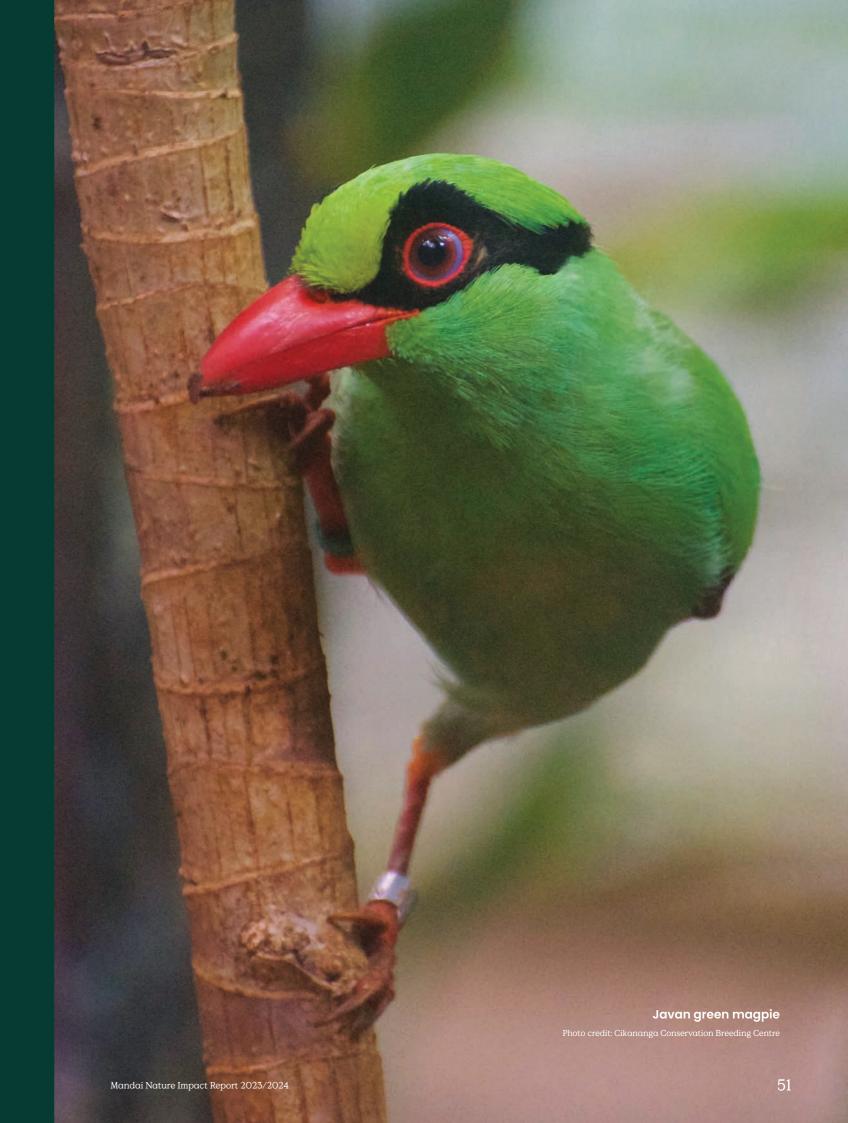
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We deeply appreciate our generous donors whose steadfast support has enabled our team's vital work. Your dedication to our cause empowers us to bring our vision to life. As we strive to expand our conservation efforts and amplify our impact, your partnerships and continued support are crucial. Join us on this journey to create a future where people and wildlife thrive together.

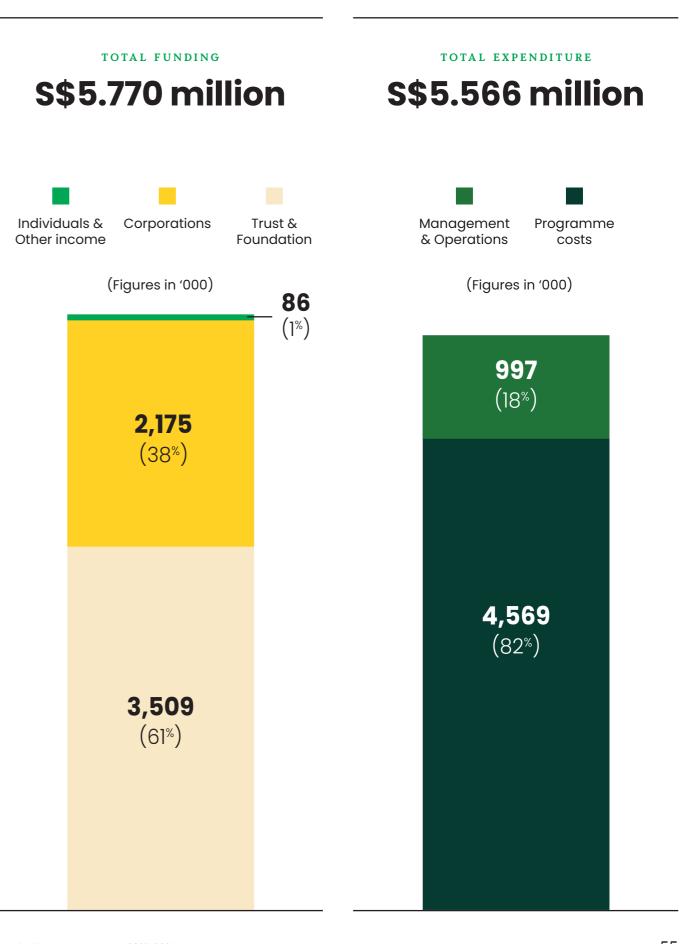
- Temasek Trust
- Mandai Wildlife Group
- **■** Google.org
- ASEAN Centre for Biodiversity
- All individual donations received directly or through fundraising platforms

Contact us at: partnerships@mandainature.org

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FINANCIAL STATEMENT FY23/24



ANNEX

List of conservation projects supported in FY 2023/2024

No.	Project Name	Country	Species	Taxon Group	Partner Organisation
1	Critical law enforcement support for Cambodia's Cardamom Rainforest Landscape	Cambodia	Multi taxa	Multi taxa	Wildlife Alliance
2	Conservation of the Critically Endangered Southern River Terrapin <i>Batagur affinis</i> in the Sre Ambel River System in Cambodia	Cambodia	Southern river terrapin	Reptile	Wildlife Conservation Society (Cambodia)
3	Restoring a viable population of Siamese Crocodile within the Sre Ambel River System, Cambodia	Cambodia	Siamese crocodile	Reptile	Wildlife Conservation Society (Cambodia)
4	Building on success – strengthening ex-situ infrastructure and capacity at the Koh Kong Reptile Conservation Centre to ensure a long-term future for Southern River Terrapin (<i>Batagur affinis</i>)	Cambodia	Southern river terrapin	Reptile	Wildlife Conservation Society (Cambodia)
5	Assessing the priority habitats and distribution for breeding populations of Red-headed Vultures in the Eastern Plains Landscape	Cambodia	Red-headed vulture	Bird	BirdLife International (Asia) Limited
6	Advancing conservation of lower Mekong wetlands at Anlung Pring, Cambodia: towards a Sarus Crane safe landscape	Cambodia	Sarus crane	Bird	BirdLife International (Asia) Limited
7	Climate-resilient sustainable agriculture to improve livelihoods and biodiversity habitat quality at Anlung Pring Protected Landscape	Cambodia	Sarus crane	Bird	Wildfowl & Wetlands Trust
8	Addressing Human Orangutan Conflict in Agricultural Landscape in Northern Sumatra in Collaboration with Local Communities and Key Stakeholders	Indonesia	Sumatran orangutan, Tapanuli orangutan	Mammal	Yayasan Orangutan Sumatera Lestari – Orangutan Information Centre
9	Wildlife Trade Mitigation Strategy, ambassadors capacity building and socio-demographic pre-surveys for the formation of the new forest conservation community forums in Manembo-nembo Wildlife Reserve	Indonesia	Sulawesi macaque	Mammal	Yayasan Kinatouan Pelestarian Alam Sulawesi
10	Project Kopi Owa: Javan Gibbon Conservation in Central Java, Indonesia	Indonesia	Multiple primate species	Mammal	Yayasan Swaraowa
11	Conservation of the Bali Starling within the Melinggih Kelod village through the Open Community Learning Program	Indonesia	Bali starling	Bird	Begawan Foundation
12	Saving the Indonesia's Wild Bird Populations	Indonesia	Multiple species	Bird	Yayasan Terbang Indonesia
13	Preservation of Indonesian endemic species through conservation breeding and other conservation programmes at Cikananga Wildlife Center (West Java, Indonesia)	Indonesia	Multiple bird species	Bird	Yayasan Cikananga Konservasi Terpadu
14	EAZA Komodo EEP conservation programme: Wae Wuul Reserve Protection Programme 2023	Indonesia	Komodo dragon	Reptile	European Association of Zoos and Aquaria
15	Parrot Conservation Action in Maluku	Indonesia	Multiple species	Bird	Perkumpulan Konservasi Kakatua Indonesia
16	Conservation of Rote Island Snake-necked Turtle, Chelodina mccordi	Indonesia	Rote Snake- necked Turtle	Reptile	Wildlife Conservation Society – Indonesia Program

No.	Project Name	Country	Species	Taxon Group	Partner Organisation
17	Conservation of the Critically Endangered Rote Island Snake-Necked Turtle	Indonesia	Rote Snake- necked Turtle	Reptile	Wildlife Conservation Society – Indonesia Program
18	An integrated project to combat climate change and songbird trade in West Kalimantan, Indonesia	Indonesia	Multi taxa	Multi taxa	Yayasan Planet Indonesia
19	Sustainable Operation of the Elephant Response Unit (ERU) Tegal Yoso and Braja Harjosari as part of the Way Kambas National Park ERU Program for Habitat Protection and HEC Mitigation	Indonesia	Sumatran elephant	Mammal	Community for Sumatra Nature Conservation / Komunitas untuk Hutan Sumatera
20	Emergency support for core operations to conserve critically endangered Sulawesi Crested Black Macaques in a time of funder changes	Indonesia	Sulawesi macaque	Mammal	Yayasan Kinatouan Pelestarian Alam Sulawesi
21	Assessment and Conservation of Primates on the Mentawai Islands, Indonesia	Indonesia	Multiple primate species	Mammal	Yayasan Swaraowa
22	Collaborative Grass-roots Conservation of a Landscape of Hope: The Leuser Ecosystem	Indonesia	Multi taxa	Multi taxa	Yayasan Orangutan Sumatera Lestari - Orangutan Information Centre
23	Nantu Forest Conservation Programme, Sulawesi, Indonesia	Indonesia	Multi taxa	Multi taxa	Yayasan Adudu Nantu International
24	Assessing the freshwater biodiversity of the Muara Siran Peatland Landscape and Kelay River Ecosystem, East Kalimantan Province, Indonesia	Indonesia	Multi taxa	Multi taxa	The Nature Conservancy
25	An Opportunity to Save Simeulue's Critically Endangered Songbirds from the Brink of Extinction Through Community Conservation, Regenerative Agriculture and Eco-tourism	Indonesia	Barusan shama, Simeulue hill myna	Bird	Ecosystem Impact Foundation
26	LAO YOUTH FOR THE PLANET! Inspiring the next generation of Lao Nationals in biodiversity conservation and environmental protection	Lao PDR	No specific focal species	No specific focal species	Association Anoulak
27	Rediscovering Saola and securing a future for the Annamite Mountains	Lao PDR	Multi taxa	Mammal (primary), Multi taxa	Saola Foundation
28	Saving Saola: Innovative Conservation in the Annamite Mountains	Lao PDR	Multi taxa	Mammal (primary), Multi taxa	Saola Foundation
29	Disrupting illegal trade in bears and wildlife in Lao PDR	Lao PDR	Multiple species	Mammal	Free the Bears Ltd
30	Citizen Action for Tigers (CAT) Walk: engaging people to value and protect tigers and their habitat in Malaysia	Malaysia	Malayan tiger	Mammal	Wildlife Society of Selangor (WILD)
31	Venue and facilitation cost for the Borneo Convention Centre Kuching (<i>Presbytis</i> genus conservation action planning workshop in Kuching)	Malaysia	Multiple primate species	Mammal	IUCN SSC Primate Specialist Group
32	Translocating Burmese Star Tortoises (Geochelone platynota) at Shwe Settaw Wildlife Sanctuary: Reinforcing Success	Myanmar	Burmese star tortoise	Reptile	Turtle Survival Alliance
33	On the Road to Recovery: In- and Ex-Situ Conservation of <i>Batagur trivittata</i> in Myanmar	Myanmar	Burmese roofed turtle	Reptile	Wildlife Conservation Society

ANNEX

List of conservation projects supported in FY 2023/2024

No.	Project Name	Country	Species	Taxon Group	Partner Organisation
34	Recovering Burmese Star Tortoise (<i>Geochelone</i> platynota) populations at two wildlife sanctuaries in central Myanmar	Myanmar	Burmese star tortoise	Reptile	Wildlife Conservation Society
35	Safeguarding critically endangered endemics in Palawan - Phase 2	Philippines	Palawan pangolin, Palawan forest turtle	Multi taxa	Katala Foundation Inc
36	Building a sustainable bio-cultural landscape for the Taobuid and the Tamaraw in Mts Iglit-Baco Natural Park, Mindoro, Philippines	Philippines	Tamaraw	Mammal	D'Aboville Foundation and Demo Farm Inc
37	The West Visayas Species Recovery Project	Philippines	Multi taxa	Multi taxa	Talarak Foundation Inc
38	Project Palaka Transition Support	Philippines	Gigante wrinkled ground frog	Amphibian	Project Palaka (through Synchronicity Earth)
39	Philippine Eagle Wildlife Loan Agreement/MOU	Philippines	Philippine eagle	Bird	Philippine Eagle Foundation
40	CPSG fee for facilitation and development of Population Viability Analysis to inform Conservation Planning for the Philippine Eagle	Philippines	Philippine eagle	Bird	Global Conservation Network and IUCN SSC Conservation Planning Specialist Group
41	Saving Indigenous Cultures, Rivers, and Endangered Biodiversity within Indigenous territories through Nature-Based Solutions (SACRED-NBS)	Philippines	Multiple bird species	Bird	Philippine Eagle Conservation Program Foundation
42	Tackling Cross border bird trade: Indonesian parrots in the Philippines	Philippines	Multiple bird species	Bird	BirdLife International (Asia) Limited
43	Exploring microbiome dynamics and potential pathogenic risks in aquatic exhibits at Singapore River Wonders	Singapore	Multi taxa	Fish	Tropical Futures Institute Limited
44	Outreach Activities for our Wild Neighbours (OWN) Campaign	Singapore	Multi taxa	Multi taxa	Animal Concerns Research and Education Society
45	Every Singaporean a Naturalist	Singapore	Multi taxa	Multi taxa	Nature Society Singapore
46	World Wildlife Day Regional Youth Symposium 2024	Singapore	NA	NA	Garden City Fund
47	Investigating the life history and ecology of threatened songbirds in Singapore	Singapore	Straw-headed bulbul; Chestnut- winged babbler; Short-tailed babbler	Bird	Sin Yong Chee Keita
48	Improving Captive Animal Welfare in Southeast Asia through SEAZA Auditor Training and Accreditation	Regional	Multi taxa	Multi taxa	Wild Welfare
49	Safeguarding Southeast Asia's wildlife from illegal and unregulated trade	Regional	Multi taxa	Multi taxa	TRAFFIC International Southeast Asia
50	Organisation of 11th meeting of IUCN SSC Asian Elephant Specialist Group	Regional	Asian Elephant	Mammal	Wildlife Trust of India
51	Understanding the trade in hornbills and Southeast Asian parrots	Regional	Multiple bird species	Bird	Monitor Conservation Research Society

No.	Project Name	Country	Species	Taxon Group	Partner Organisation
52	Tackling the illegal trade in wild pigeons and doves in Indonesia	Regional	Multiple bird species	Bird	Monitor Conservation Research Society
53	The 5th Asian Elephant Endotheliotropic Herpes Virus (EEHV) Working Group meeting	Regional	Elephant	Mammal	International Elephant Foundation
54	Strengthening the conservation of hornbills	Regional	Multiple hornbill species	Bird	Mabula Ground Hornbill Project
55	SHOAL/IUCN ASAP Freshwater Fish Programme Manager	Regional	ASAP fishes	Fish	Synchronicity Earth, SHOAL
56	Action for ASAP freshwater fishes	Regional	ASAP fishes	Fish	Synchronicity Earth, SHOAL
57	ASAP Species - Ex-situ Assessment	Regional	Multi taxa	Multi taxa	Copenhagen Zoo
58	Development of a metabarcoding protocol for prey species of the fossa to reduce carnivore-human conflict	Global	Fossa	Mammal	Chances for Nature
59	Guideline for responsible translocation of displaced organisms	Global	Multi taxa	Multi taxa	Wildlife Impact
60	Species360 Conservation Science Alliance (CSA) Support	Global	Multi taxa	Multi taxa	Species360
61	IUCN Chair Support for 2024	Global	Multi taxa	Multi taxa	IUCN Species Survival Commission
62	Reverse the Red - World Species Congress funding - WAZA Contribution	Global	Multi taxa	Multi taxa	Re:wild
63	Amphibian Ark 2024	Global	Multiple amphibian species	Amphibian	Amphibian Ark
64	Annual support for veterinary operations for Save the Tasmanian Devil Program, Department of Natural Resources & Environment Tasmania	Global	Tasmanian devil	Mammal	Department of Primary Industries, Parks, Water and Environment - Tasmania, Australia
65	Escalating Profile, Resources, and Engagement for Effective Conservation Translocations	Global	Multi taxa	Multi taxa	Panthera Corporation
66	Donation to the EAZA Ukraine Emergency Fund	Global	Multi taxa	Multi taxa	European Association of Zoos and Aquaria
67	IUCN SSC ASTSG In-person meeting	Global	Multi taxa	Multi taxa	Yayasan Planet Indonesia

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On cover page: Rote snake-necked turtle hatchling in the Singapore Zoo. Photo credit: Mandai Wildlife Group

