



Ministry of Environment and Forestry (Republic of Indonesia)



ASSOCIATION OF ZOO & AQUARIUMS



ACTION INDONESIA Newsletter

Issue 10
November 2022



GLOBAL SPECIES MANAGEMENT PLAN

ANOA
BANTENG
BABIRUSA

IN THIS ISSUE

Editor's note

By *Corinne Bailey, Programme Officer, IUCN SSC AWCSG* & *Bella Greenwood, Conservation Communications Intern, Chester Zoo*

Welcome to the tenth issue of the Action Indonesia GSMP newsletter! This issue follows the GSMP Plenary, where all the Action Indonesia Working Groups presented their plans for the 2022-2025 Masterplan. We thank all the working group members for their hard work this year in developing the next masterplan, which will be finalised by the end of 2022.

This issue also follows another successful Action Indonesia Day on August 14th! Find out how zoos from the US, Indonesia and the UK got involved in this issue, and see all the pictures from the day by following the [#ActionIndonesiaDay](#) hashtag on social media.

In September, camera traps were deployed throughout Alas Purwo National Park in East Java in the second consecutive year of banteng population monitoring in the park.

The data collected from these camera trap surveys help us get a clear picture of the population and distribution of banteng in one of the priority sites for the species in Java.

Now that travel restrictions have eased, we have enjoyed the opportunity to meet in person, both with our colleagues and partners in Indonesia, and with our international partners during conferences in Europe and the US. We look forward to conducting in-person training and working together more closely to conserve anoa, banteng, babirusa and Sumatran tiger in 2023.

The work and continued capacity building in Indonesia is only possible with your support. Please get in touch to find out how you can help and get involved. For more information about the Action Indonesia partnership, including joining and contributing, please contact Corinne c.bailey@chesterzoo.org. We hope you enjoy this issue and look forward to hearing from you!

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ACTION INDONESIA
GLOBAL SPECIES MANAGEMENT PLAN

Action Indonesia Day 2022!

By Corinne Bailey, IUCN SSC AWCSG; Charlie Dale, Chester Zoo; Julia Klumb, Zoo Miami; Yunika, Solo Zoo; Rina Rajagukguk, TSI Bogor; Yuliyati Nurmayana, Ragunan Zoo

The fourth global awareness raising day for anoa, banteng and babirusa was held on the 14th of August. This year, 37 zoos around the world participated in a range of activities, including keeper talks, games, webinars and social media. We are very excited that posts using the #ActionIndonesiaDay hashtag reached 3.7 million social media users and received almost 9000 likes. Thanks everybody for your brilliant participation on the day!

Below are some examples of how zoos participated in Action Indonesia Day 2022:

Taman Safari Indonesia Bogor

Taman Safari Indonesia Bogor, is actively involved



Visitors interacting with a table touch activity. Credit, TSI Bogor



A curious banteng exploring the ice cream stand. Credit, Nicole Hunnewell

in the Action Indonesia GSMP program and took part in Action Indonesia Day online and in person. In the area of the zoo known as the 'Wildlife Station', an interactive table touch activity was organised which was a creative way for visitors to see and touch skulls from species such as Javan banteng, babirusa and Sumatran tiger.

Zoo educators also shared information about anoa, banteng, babirusa, and Sumatra tiger characteristics, behaviour, and distribution. Visitors enjoyed learning about these Indonesian endemics as many didn't know about the species and it was their first experience touching their skulls. In total, 193 visitors joined our Action Indonesia Day program in the zoo.

Besides touch tables, we also invited visitors to take part in animal colouring activities and conservation games.

Not only were there activities at the zoo, campaigns were also held through our social media to reach a wider audience

and encourage people to join in our conservation effort.

We shared content on our [Instagram](#) about the GSMPs as well as some of the facts about the species.

Zoo Miami

As one of the few zoos in the United States to hold all four Action Indonesia species, Zoo Miami proudly participated in Action Indonesia Day. After a long hiatus of in-park programming due to COVID-19, we were able to engage our keeper and volunteer staff in programming on our walkways celebrating all four Action Indonesia species. The Zoo's Conservation Teen Scientists (CTS), a group of amazing teen volunteers, were deployed throughout the walkway armed with fact sheets, games and quizzes about each one of the Action Indonesia species. Guests coloured masks of banteng and pinned the tusks on the babirusa, special zookeeper talks occurred at each of the





Giant floorboard game enjoyed by visitors. Credit, Chester Zoo

four species and guests could learn what it's like to work with a babirusa or a banteng, and got to see a tiger stalk its food.

Our Animal Fun Factory made enrichment for our four Action Indonesia species. The theme: our animals are throwing a fundraiser! What would a banteng do to raise funds for conservation? An ice cream stand, of course! Our babirusa had a spa day, our anoa got a bakery stand, and our tiger enjoyed a lollipop stand.

Zoo Miami also hosted Instagram Live broadcasts for our tiger and babirusa zookeeper talks via the Action Indonesia [Instagram](#). If you watched live you would have seen N'dari, our young male Sumatran tiger, having a blast dragging his lollipop stand around his habitat and eventually pulling it right into his shelter with him for a nap.

Zoo Miami runs the Social Media and [Website](#) for Action Indonesia and ramped up posts and web searches for the annual event. As

a founding member of the Action Indonesia Day initiative Zoo Miami is proud to continue educating the public about these lesser known, but amazing species.

Jurug Solo Zoo

On 14th August 2022, Solo Zoo took part in Action Indonesia Day which was initiated by GSMP and PKBSI with the aim to prevent Indonesian wildlife from extinction and protect their population and habitat. Solo Zoo participated both online and in person. We built an education corner for the zoo visitors and shared the GSMP species information and their conservation program. We also held a colouring activity for 20 children and had games about species distribution in Indonesia. To show the support of zoo visitors, we did a "Sign for Support" campaign where the visitors can sign and write their aspirations for wildlife conservation in Indonesia.

More than 50 visitors showed their support by signing up for this campaign. Online, we held a Live Instagram with Drh. Afifah Hasna from the Anoa

Breeding Center Manado. We discussed the anoa conservation in Indonesia and the Anoa Breeding Center's contribution and had a virtual tour of their facility.

We hope through these activities, our audiences can get more knowledge and information about Indonesian wildlife and the conservation program. Please visit our Instagram [@jurugsolozoo](#) to learn more about our species.

Chester Zoo

Chester Zoo celebrated the 4th international Action Indonesia Day by inviting zoo visitors to connect to banteng, babirusa, anoa and Sumatran tiger through talks, animal feeds, and games.

Visitors were greeted by our team at an Action Indonesia stand. The activities included distribution maps, and biofacts such as replica tiger and babirusa skulls, claws and tusks to explore the biology of the species. We had craft activities, quizzes and iPads showing videos of GSMP activities and successes.



Visitors participating in a colouring activity. Credit, Jurug Solo Zoo



Over at our immersive Indonesian themed area of the zoo, we had a giant floor board game that visitors could choose to be a banteng or anoa, and play the game to explore the pressures of hunting and habitat loss and habitat loss and unravel the reasons behind their conservation threat. We were joined by our animal keepers for talks at each of the species habitats, feeds or enrichment and Q&A with the keepers.

There were lots of visitors wearing their 'team banteng' and 'team anoa' stickers and many wonderful conversations about the species and how the GSMP is working to conserve them, engaging around 300 people directly with the Action Indonesia programme and many more through social media.

Ragunan Zoo

The Action Indonesia Day event at Ragunan Zoo was



Students joined on the webinar set up by Ragunan Zoo.
Credit, Ragunan Zoo

held on an online webinar due to Covid-19 restrictions.

Around 500 students from a high school in Jakarta were very enthusiastic to join the webinar in celebration of Action Indonesia Day!

The webinar was opened by the director, Endah Rumiwati, and followed by talks on a variety of topics before ending with a fun quiz to let the students show off what they had learnt.

The talks included a session about the conservation of anoa, banteng, babirusa, and Sumatran tiger by Zoo Educator, Maya, and a talk about animal care by the Curator of Mammals, Januar. The webinar made a positive impact on the students who were very interested in the conservation program for these endemic Indonesian species and hope the webinar can be done regularly.



Visitors touching skulls at an interactive touch table session. Credit, TSI Bogor

GSMP Coordination Visit in July

By Corinne Bailey, IUCN SSC AWCSG

During July, James Burton (AWCSG Chair) and Corinne Bailey (AWCSG Programme Officer) visited PKBSI for the first time since March 2020. Together with PKBSI, they met with the Indonesian government to discuss the next Action Indonesia masterplan phase, as well as multiple zoos to discuss the breeding recommendations and population management.

They also visited Alas Purwo National Park in preparation for the next round of banteng monitoring



Meeting the Alas Purwo National Park camera trapping team at BKSDA. Credit, PKBSI

using camera traps in 2022. Thank you to TSI Prigen, Surabaya Zoo, Batu Secret Zoo, TSI Bogor, Ragunan Zoo and Alas Purwo National Park for

your kind welcome, productive discussions and valuable insight. Thank you also to PKBSI, and to Ibu Badiah and Ibu Desy from KKHSB.

Action Indonesia Conference Presentations and Communications

By Corinne Bailey, IUCN SSC AWCSG

Progress in Action Indonesia has been presented at the following conferences in 2022. In person conferences were a brilliant way to share the message and have productive discussions about collaborations and support for Action Indonesia.

- BIAZA Mammal Working Group, Chester Zoo, UK
- Joint TAG Charis Meeting, Long Beach, USA
- EAZA, Conservation Forum, Zagreb, Croatia
- EAZA Annual Meeting, Albuferia, Portugal



Dr Stu Young and Corinne Presenting at the EAZA Conservation Forum. Credit, Johanna-Rode Margono

We also hosted a live webinar about raising awareness for anoa, banteng, babirusa and Sumatran tiger in July, prior to Action Indonesia Day. The webinar was moderated by Julia Migne of Conservation Optimism, and included presenters from PKBSI, Ragunan Zoo, Miami Zoo and Chester Zoo, and had 48 participants, 33 of which were from South East Asia.

You can watch the webinar on [YouTube](#)

In-situ Banteng Monitoring in Alas Purwo National Park

By *Corinne Bailey, IUCN SSC AWCSG*

Following the successful camera trapping activity in 2021 in Alas Purwo National park, a repeat survey of the entire park began in September this year. Camera traps were deployed in a 3x3km grid throughout the park by 5 teams of rangers and park staff. Prior to deployment, the rangers shared their experiences and technical questions with the technical lead and GSMP coordination staff for advice.

This provided a great amount of insight into the challenges of camera trapping in the terrain and dense vegetation within areas of the park and built confidence for rangers conducting the monitoring this year. We are also supporting the park in data analysis training for clear and consistent population monitoring data over multiple years.

Camera traps will be collected in November and data will be analysed in early 2023. We look forward to sharing more results and photos!



Dense vegetation rangers face whilst camera trapping. Credit, Alas Purwo National Park



Banteng spotted! Credit, Alas Purwo National Park



Banteng in Alas Purwo. Credit, Alas Purwo National Park

Action Indonesia 2022-2025 Planning Plenary

By *Corinne Bailey, IUCN SSC
AWCSG and Yonathan, PKBSI*

On Friday 16th September, the Action Indonesia GSMPs for Anoa, Banteng, Babirusa and Sumatran tiger shared their planned activities for the next 3 years. The virtual plenary was hosted by the Ministry of Environment and Forestry Indonesia and attended by 120 participants from Indonesia, Europe and the US, and included representatives from the Indonesian government and national parks, the Indonesian zoo association, EAZA, and the IUCN SSC.

The plenary was a great opportunity for the working groups to share their hard work and ambitious plans to help conserve these species in the coming years.



Tony Sumampau, Secretary General of PKBSI, opening the plenary.
Credit, PKBSI

Working Group members presented on breeding and transfer recommendations for the four species, in situ and ex situ genetics, education and awareness raising, husbandry training and in situ population monitoring. The planning process has been a huge collaborative effort, with each working group reviewing their overall aims and objectives, and working together to brainstorm and define activities, roles and responsibilities

and indicators to monitor progress.

We would like to wish a huge thank you to everyone that participated in the planning and the plenary, and to all the supporters of Action Indonesia.

We are now looking forward to start implementing our plans! Look out for upcoming news about training, genetic analysis, population monitoring, and more!

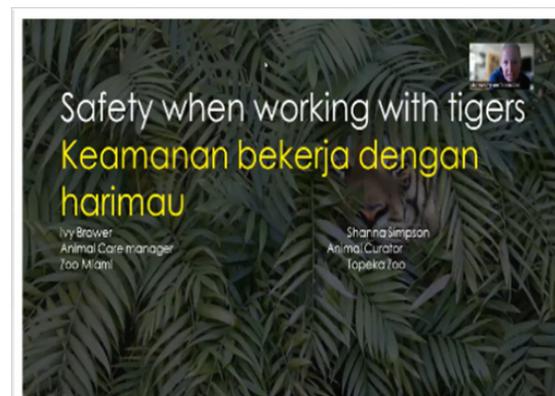
Sumatran Tiger Webinar

By *Corinne Bailey, IUCN SSC
AWCSG*

The PKBSI Education and Training Division in collaboration with the GSMP Husbandry Training Working Group organized a virtual Tiger Husbandry Webinar on 26th September 2022. The webinar covered a range of husbandry topics including safety when working with tigers, nutrition, relationship building, enrichment and estrus behaviour.

Thank you to presenters Shanna Simpson, Topeka Zoo, Ivy Brower, Zoo Miami, Lori Hieber, San Diego Zoo Safari Park and Erin Pritchard, Point Defiance Zoo and Aquarium (PDZA), as well as Karen Goodrowe Beck (PDZA), for coordinating the session. The 2 hour webinar was held in English with live translation generously supported by Josephine Vanda Tirtayani (Gembira Loka Zoo) and Ade Diah Safitri (Bali Zoo) and Yonathan. The session was moderated by the Head of PKBSI Education and Training Division and Sumatran tiger studbook keeper and

GSMP co-convenor, Drh. Ligaya ITA Tumbelaka. The session was well attended by 63 participants from 20 Indonesian zoos, including zoo keepers (44%) and veterinarians (30%). We look forward to an in person tiger husbandry workshop in 2023.



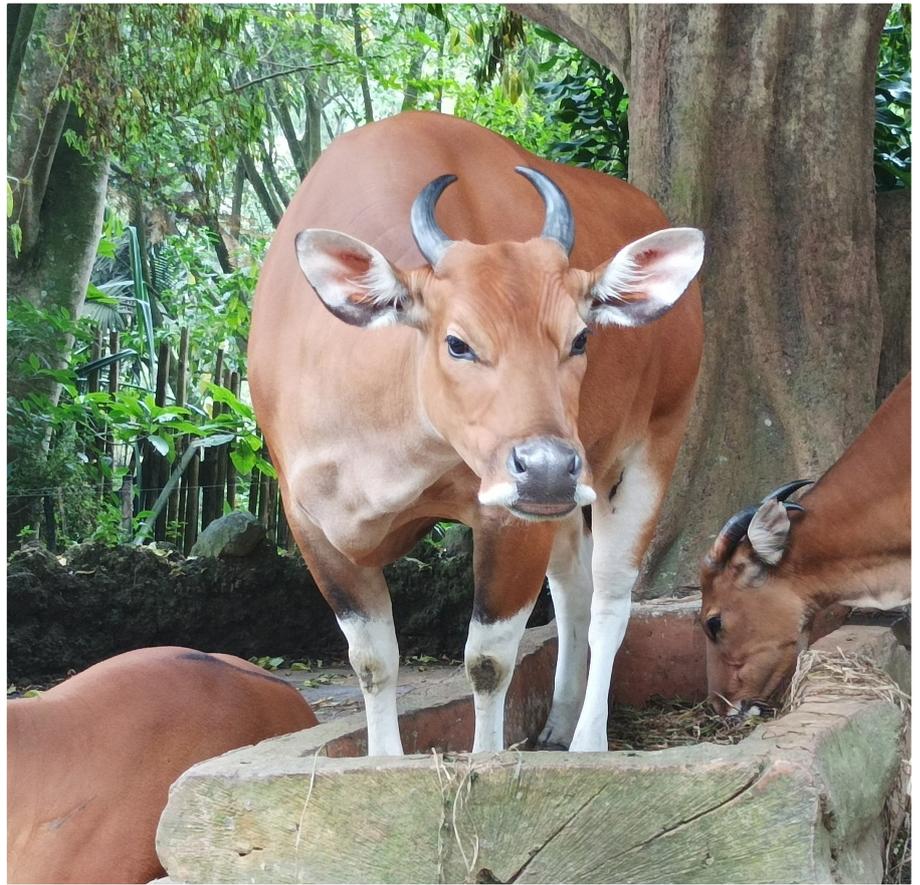
Shanna Simpson presenting on tiger husbandry.
Credit, PKBSI

Genetic Sampling

By Corinne Bailey, IUCN SSC
AWCSG

We are collaborating on a genetic population assessment project for babirusa, anoa and banteng in Indonesian zoos. This is a collaborative effort between multiple institutions, with the sampling part of the process now on its way to completion. The project aims to characterise the genetic diversity of ex situ populations, as there are many founder individuals in Indonesian zoos, and the results will help guide future breeding recommendations.

The genetic sampling of banteng, anoa and babirusa individuals in Indonesian Zoos was completed in June this year, with a total of 31 banteng, 29 babirusa, and 24 anoa from 9 Indonesian zoos sampled and sequenced. The genetic data is being analysed alongside capacity building between the GSMPs and Indonesian scientific institutes.



Banteng at TSI Bogor. Credit, Corinne Bailey

Thanks to Indonesian zoos (TSI Bogor, TSI Prigen, Bali Safari Park, Ragunan Zoo, Jatim Park, Surabaya Zoo, Bandung Zoological Garden, Gowa Discovery Park, and Citra Satwa Celebes) for their hard work collecting

samples and all BKSDA offices for providing the permits.

Locating individuals with a high inbreeding coefficient will inform breeding and transfer recommendations.

New Resources and Infographic

The Education Working Group have been developing new GSMP resources on Sumatran tigers and an infographic that illustrates the progress and collaboration of Action Indonesia since 2016. Find the resources on the website!

We also have a [new JustGiving](#) page for small donations or crowdfunding.

SUMATRAN TIGER
Panthera tigris sumatrae

Sumatran tigers are the only remaining island subspecies of tiger. There are estimated to be fewer than 400 individuals left in isolated mountainous forest and lowland areas. They are threatened by poaching for the illegal trade and over livestock conflicts and by farming, industry and road building destroying their habitat and prey.

Tigers live solitary lives and only come together to breed. Young tigers live with their mother until around the age of 18 months when they leave to establish their own territory.

An extremely high risk of becoming Extinct in the Wild

DIET
CARNIVORE
WILD DEER, WILD PIG, SERAU, HANGING

PREFERRED HABITAT
LOWLAND MOUNTAIN AND TROPICAL RAIN FORESTS

WEIGHT
91-120KG

GESTATION
100-108 Days

YOUNG
1-4

LIFESPAN
10-15 YEARS

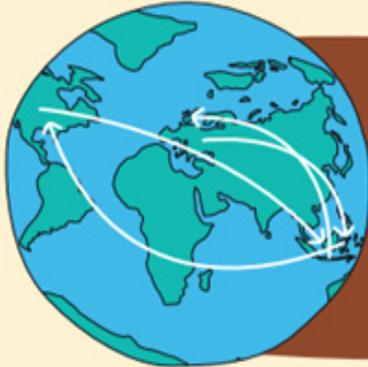
MADE BY CHESTER ZOO

WILDCATS CONSERVATION ALLIANCE

Signage created by the GSMP and WildCats Conservation Alliance



WE ARE WORKING TOGETHER TO SAVE BANTENG, BABIRUSA AND ANOA.



Action Indonesia is the combined Global Species Management Plans (GSMPs) for banteng, babirusa and anoa, working to save these amazing species from extinction.

The plan brings together expertise from around the world from zoos, governments, conservation and research organisations.



ACHIEVEMENTS

Since 2016 we have joined with over 50 organisations to achieve:

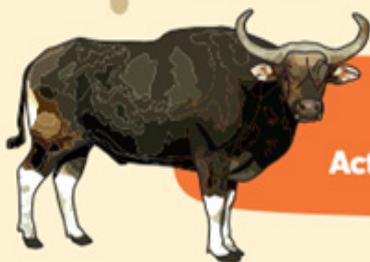
Training and development of more than **350** conservation educators and animal care professionals

Four international celebration days, reaching over **3.7 MILLION PEOPLE** globally 

 Genetic analysis of important breeding animals in Indonesian zoos

Supporting the ex-situ **breeding programme** with training in best practice

Research and monitoring of **in-situ populations** 



⇒ **JOIN US** ⇒
Actionindonesiagsmp.org #ActionIndonesia



Contacts

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- James Burton (Chair, IUCN SSC AWCSG)
- Corinne Bailey (Programme Officer, IUCN SSC AWCSG)
- Yonathan (GSMP Programme Officer, PKBSI)

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We look forward to hearing from you!



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