



Ministry of Environment and
Forestry (Republic of Indonesia)



**ASSOCIATION
OF ZOOS &
AQUARIUMS**



ACTION INDONESIA Newsletter

Issue 8
October 2020



**GLOBAL SPECIES
MANAGEMENT PLAN**

ANOA
BANTENG
BABIRUSA

IN THIS ISSUE

Editor's note

By *Corinne Bailey, Programme Officer, IUCN SSC AWCSG*

& *Caitlin Cross, Field Programmes Intern, Chester Zoo*

Welcome to the eighth issue of the Action Indonesia GSMP newsletter! This issue follows our second global Action Indonesia Day and the beginning of our successful virtual husbandry training for Indonesian zoos.

This August, Action Indonesia Day went virtual, and we were amazed to see the wide social media reach of the Action Indonesia Day posts and feel the love for these unique species! Thanks especially to the Education Working Group for their hard work organising the event!

Since July, we have been working to continue capacity building through virtual husbandry training sessions to Indonesian zoos. We were really impressed by the high participation and interest in the webinars, thanks to everyone who has organised and participated in the training for making it such a success!

We continue to send our best wishes to all of our partners affected by the pandemic. Over the last few months, we have been working together to adapt and continue to develop new activities that support the conservation of anoa, banteng and babirusa. We are incredibly grateful to everyone who has committed their time and efforts to the GSMP during this challenging period. The Action Indonesia has a planning cycle of three years, but we have postponed our next planning meeting from February 2021 to February 2022. So in the coming months, we will be holding calls with the leaders of each Working Group to do interim planning of activities for next year. For more details of the Working Groups see our [2018 Annual Report](#).

The work and continued capacity building in Indonesia is not possible without your support. Please get in touch to find out how you can help and get involved. If you would like more information about the Action Indonesia GSMP partnership, including joining and contributing, please contact Corinne Bailey (c.bailey@chester-zoo.org). We hope you enjoy this issue and look forward to hearing from you!

- Action Indonesia Day 2020!
- New Anoa birth in Surabaya Zoo
- Virtual husbandry training for PKBSI zoos
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ACTION INDONESIA
GLOBAL SPECIES MANAGEMENT PLAN

Action Indonesia Day 2020!

By Corinne Bailey, Programme Officer IUCN SSC AWGSG, Yonathan, GSMP Programme Officer, PKBSI & Jamie Jackson, GSMP Education Working Group member

The second ever Action Indonesia Day took place on Sunday the 16th of August. Action Indonesia Day is an annual initiative to celebrate and raise awareness for anoa, banteng, babirusa, Sumatran tiger, and the species with whom they share their habitats. Action Indonesia Day is celebrated close to Indonesian Independence Day, with the aim for Indonesian zoos to harness some of the outpouring of national pride toward the conservation of

these endemic Indonesian species.

As engagement in many zoos is challenging this year due to the Covid-19 pandemic, we took Action Indonesia Day virtual. We asked organizations and people around the world to share animal facts, pictures, videos, activities, zookeeper talks, and other content on social media using the hashtags #ActionIndonesia and #ActionIndonesiaDay.

This year over 30 institutions and groups from three continents – including 15 from Indonesia - got involved in sharing the story of the Action Indonesia species.

It was great to see such a wide range of activities from zoos around the world, including quiz-

zes, photo contests and Instagram Live videos from zoos about their animals! Individuals also got involved by sharing pictures, original artwork, and animal stories, shining a light on anoa, banteng, babirusa and Sumatran tiger.

The virtual nature of this year's event led to a broader reach and higher individual participation. On Instagram, there were over 500 posts using the hashtags #ActionIndonesiaDay and #ActionIndonesia, gaining over 70,000 likes and views. Posts from our new Facebook page also reached almost 10,000 accounts! And of course, with their huge combined social media following, zoos and organizations around the world have raised awareness in a massive and diverse audience. Education Working Group member Jamie Jackson said:

"My favorite part of the day this year was seeing people's passion and excitement toward these species and their conservation. As a conservationist, days like Action Indonesia Day – with the outpouring of support from around the world - give me hope for the future of wildlife and natural places. I can't wait to see what next year's Action Indonesia Day will bring!"

Thanks to the hard work of everyone involved, and the role played by social media, awareness of Action Indonesia, the GSMP species, and the collaborative work we do has spread even further!



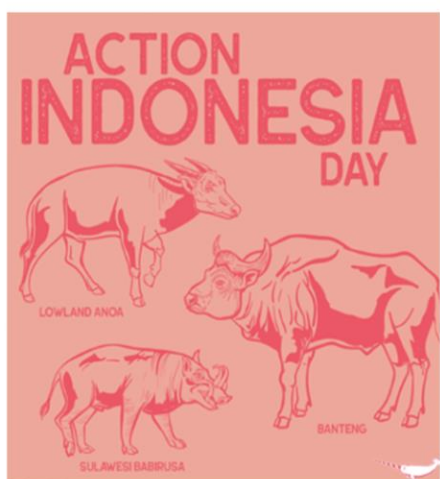
Babirusa at Audubon Nature Institute celebrating Action Indonesia Day 2020.



Action Indonesia Day 2020 Activities

In case you missed in on the day, below are just a few of the activities from Action Indonesia 2020:

Peppermint Narwhal Creative



Graphic produced by Peppermint Narwhal Creative for Action Indonesia Day

Peppermint Narwhal Creative, a conservation-focused graphic design company, partnered with us this year to promote Action Indonesia Day. Their [Facebook post](#) received 274 likes and 61 shares, and the Instagram post received over 2500 likes! Thank you, Peppermint Narwhal Creative, for helping us broaden our reach and raise awareness for these amazing species!

Original Artwork

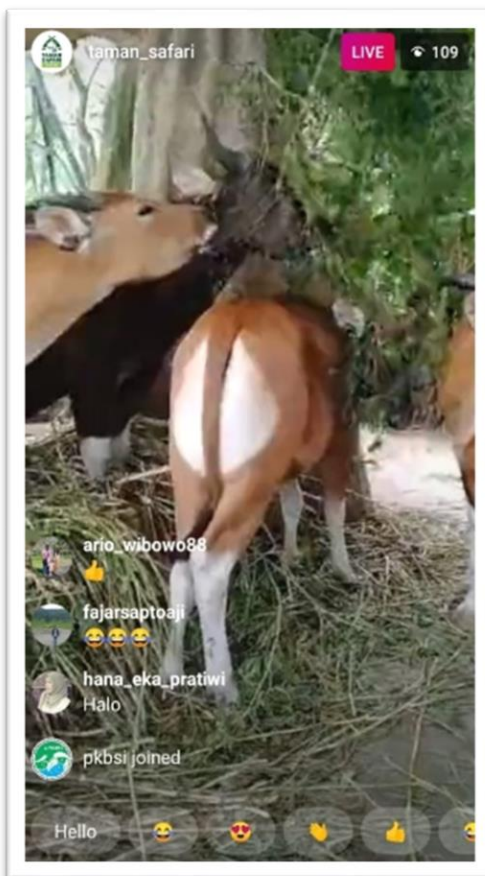
There were some amazing pieces of original artwork, comic strips, and photos with messages that spread the word about how unique and vital Action Indonesia species are.



Original art by @hannah.hornbill on Instagram (left) and by @aukaurelie on Instagram (right).

Instagram Live and Videos

Many facilities, like Miami Zoo, Toronto Zoo in Canada and Bali Safari and TSI Bogor in Indonesia, made videos or went live on social media with special enrichment and keeper talks for their Action Indonesia species. It was awesome to see the variety of enrichment provided for these animals across the globe!



Instagram Live from the banteng enclosure at TSI Prigen



Action Indonesia Day Photobooth at Surabaya Zoo (left) and Coloring Contest about Sumatran Tiger at Taman Safari Indonesia Prigen (right)

Some zoos also conducted on-site activities. Examples include Solo Zoo asking visitors to write their wish for wildlife conservation in Indonesia and Surabaya Zoo building a photobooth (see above).

Video contests in R Zoo and Siantar Zoo, North Sumatra

R Zoo and Siantar Zoo held video contests on Instagram, asking people to send in videos featuring species endemic to Indonesia and spread the word to at least 5 of their friends. Winning videos were awarded cash prizes and were featured on the zoos' Instagram accounts. Lots of people sent in their videos, helping more people learn about endemic Indonesian wildlife.



Siantar Zoo post to advertise Action Indonesia Day

New Anoa birth in Surabaya Zoo!

By Sri Pentawati & Dedik Irawan, Surabaya Zoo

A new anoa calf has been born in Surabaya Zoo (Kebun Binatang Surabaya/KBS) following GSMP breeding recommendations! Surabaya Zoo is one of the zoos in Indonesia that works to support the GSMP goal of 'demographically and genetically healthy ex situ populations' of anoa (*Bubalus depressicornis*).

Husbandry & breeding programme at Surabaya Zoo

In Surabaya Zoo, most of our Indonesian species breed well, including anoa & babirusa. Following the new anoa birth on 20th July 2020, we now have 6 (2.4.0) anoa.

We feed our anoa primarily with grass, with additional feeds of carrots, water spinach, beans, banana, and sweet potatoes as additional feed, and jackfruit

leaves as part of our enrichment programme.

We welcome Toreto, our male anoa calf, whose parents are Bobby (male) and Wendy (female). Bobby and Wendy were originally rescued from a Nature Resource Conservation (KSDA) office in Palu, Southeast Sulawesi and have been in Surabaya Zoo since 25th March 2006. Breeding from these two "founder" individuals has been valuable in increasing the genetic diversity of the ex situ population, as they are animals from wild populations, whose genetics are underrepresented in the global ex situ population.

We hope this anoa birth can support the ex-situ population under the GSMP program that can be a genetically healthy back up population for the wild. We also hope that we can work with other Indonesian zoos in cooperative breeding to do help us in our anoa breeding in the future.

Table 1: The breeding process at Surabaya Zoo

Date	Observation	Remarks
End of September to early October 2019	We put Bobby & Wendy in separate side by side enclosure to make them closer for one week.	
October 2019 to January 2020	We put them together until we observed some behavioural signs indicating oestrus, such as swollen red vulva, yelling, low appetite, and the male anoa becoming more aggressive and following the female.	
February to July 2020	We separated male from female. We observed and monitored pregnancy signs closely with our medical team.	At this stage, we fed them extra food, vegetables and multivitamins.
20 th July 2020	At 7am in the morning, our keeper found that Wendy had given birth to a calf in healthy birth was at condition. After 1-2 hours, this calf could walk itself and suckle from its mother.	We estimated the birth was during the night.



1. Breeding observed around early to mid January 2020



2. Wendy was pregnant in April 2020



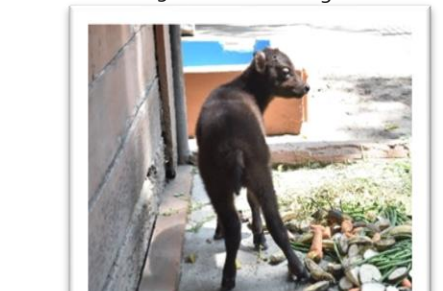
3. Wendy gave birth to Toreto on 20th July 2020



4. 10 days after giving birth



5. Toreto suckling



6. Welcome, Toreto!



Virtual husbandry training for PKBSI zoos

By Corinne Bailey, Programme Officer IUCN SSC AWGSG & Yonathan, GSMP Programme Officer, PKBSI

One of the goals of the Action Indonesia GSMPs is to 'optimise general and breeding related husbandry through training'- to share global knowledge and expertise and build capacity and skills in animal husbandry.

While travel restrictions during the pandemic has made holding face to face husbandry training and workshops impossible, Action Indonesia's Husbandry Working Group has been working with the PKBSI Education Division to provide virtual training for zoo staff in Indonesia on a range of husbandry topics.

Training webinars began in July on a trial basis, and have been



Q&A Session from 2nd Topic: Nutrition for Animal Health

very successful in providing the opportunity for experts from Indonesia and around the world to present and answer questions on key husbandry topics to a wide range of Indonesian zoo staff.

Since July, we have worked together to present on a wide range of webinar topics (Table

2). The webinars have been very well attended with up to 76 participants from up to 33 institutions attending each session, and many engaging and interesting questions have been asked.

Table 2: Husbandry training topics and presenters

Topics	Date	Presenter
Preparing to Reopen During Covid-19	11 th July 2020	1. Willem <u>Manansang</u> - PKBSI 2. <u>Achmad Muchsinin</u> - Ragunan Zoo 3. <u>Marcel Alaze</u> - Allwetter Zoo
Nutrition for Animal Health	25 th July 2020	1. <u>Dr. Francis Cabana</u> - Singapore Zoo 2. <u>Paramitha Adelia</u> - Gembira Loka Zoo
Introduction to Studbook Keeping & Population Management	8 th August 2020	1. John Andrews - Lincoln Park Zoo 2. <u>Telena Welsh</u> - Point Defiance Zoo 3. <u>Sri Pentawati</u> - Surabaya Zoo
Enrichment	22 nd August 2020	1. Sarah McGregor - ZSL Whipsnade Zoo 2. I.A. <u>Ari Janiawati</u> - Bali Safari & Marine Park
Husbandry & Exhibit Design	5 th September 2020	1. Joseph <u>Forys Jr.</u> - Audubon Zoo 2. Elizabeth Wilson - Audubon Zoo



Participants so far have included zookeepers, vets, curators, managers and directors.

Telena Welsh (lowland anoa SSP coordinator from Point Defiance Zoo & Aquarium) described her experience of presenting with John Andrews (Lincoln Park Zoo) in the Introduction to Studbook Keeping and Collection Planning webinar:

"I enjoyed my experience being a presenter very much. It was an almost seamless process with many opportunities for feedback during preparation, which I always appreciate. The session itself was full of great information and I always learn something new, even as a presenter. It was also nice to step outside of my normal role, and promote the exchange of knowledge and relationship building. I feel lucky to be in a field that has so much collaboration across not only different facilities, but different countries. I want to give kudos to John, who did the majority of the heavy



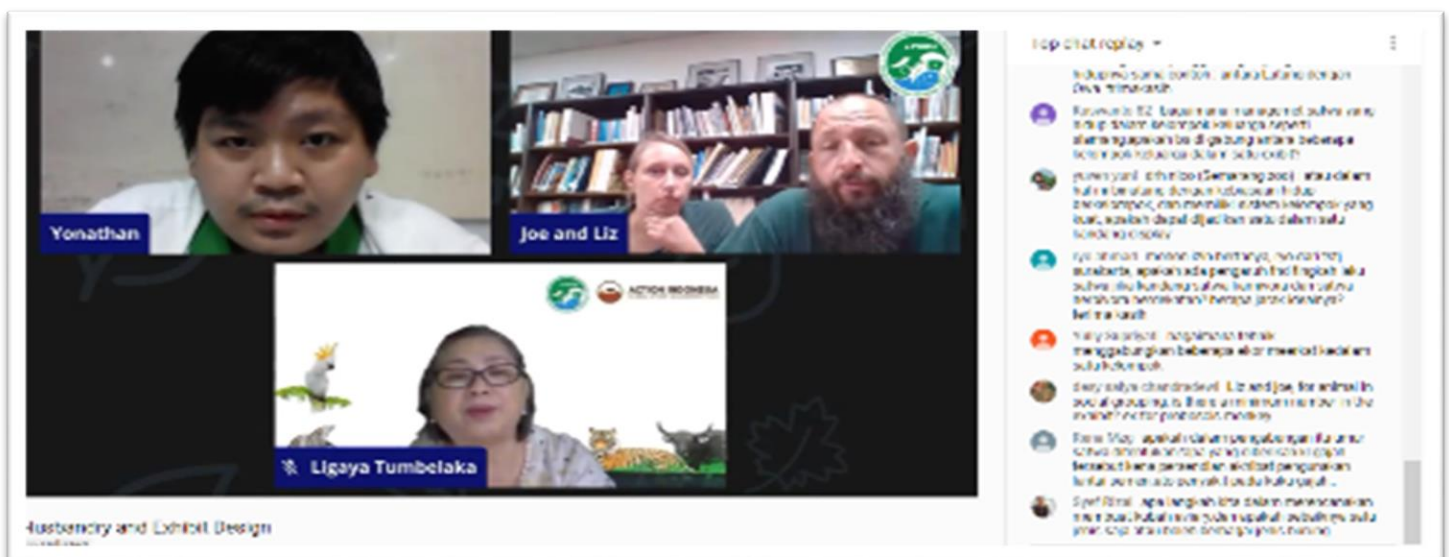
John Andrews and Telena Welsh, delivering their presentation on Studbook Keeping and Collection Planning. Photo: PKBSI

lifting in the preparation and presentation itself. He did a wonderful job!"

The virtual training sessions will be available to Indonesian zoos in future and will be a valuable resource in the development of a sustainable, more widely accessible and cost-effective husbandry training programme. As we continue with the webinars, we will be using pre and

post questionnaires to monitor their success in building knowledge and capacity

Many thanks to everyone who has presented, moderated and participated in the webinars so far. To find out more and get involved in future webinars contact Corinne c.bailey@chester-zoo.org



Lots of questions were submitted during Session 5 : Husbandry & Exhibit Design

The environmental enrichment programme at Bali Safari & Marine Park

By *Ida Ayu Ari Janiawati, Bali Safari & Marine Park*

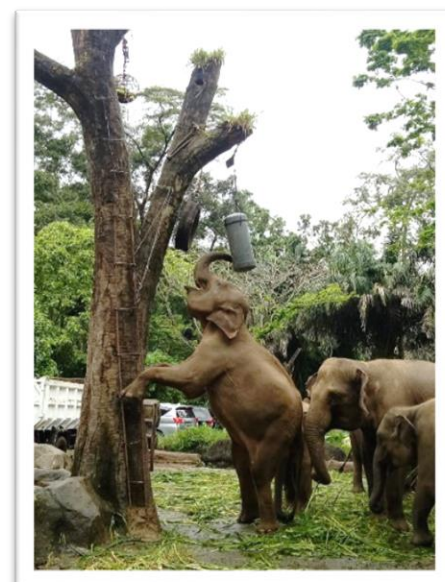
In September, Ari Janiawati and Sarah McGregor from ZSL Whipsnade Zoo presented about Enrichment programmes within their zoos. Here, Ari explains more about the enrichment programme at Bali Safari & Marine Park.

Enrichment or Environmental Enrichment is essential for animal husbandry at zoos, and is featured as important to animal welfare in the animal welfare guidelines published by SEAZA (Southeast Asian Zoos and Aquariums Association). Enrichment aims to promote natural behaviours, improve physical health and is important to reduce or prevent animal abnormal behaviour such as stress or stereotypes.

In 2019, Bali Safari & Marine Park was the first zoo in Indonesia to receive an Animal Welfare Certificate from SEAZA. To perform

effectively, we established an Animal Welfare Committee that is in charge of monitoring and evaluating the enrichment programme. The committee includes representatives from zoo keepers, curators, vets, and nutritionists to ensure a complete perspective on any interventions. This committee supports improved quality and direction of our animal welfare and enrichment programme. Keepers at Bali Safari & Marine Park provide enrichment to all animals on a daily, weekly, and monthly basis.

Daily enrichment is provided using materials that only last for one day such as cardboard or feed. Weekly enrichment is provided using materials that could be used multiple times such as



Monthly enrichment using hanging feed to prolong feeding duration

perch, branch, or certain substrate (litter, straw, etc). Monthly enrichment uses more solid materials, which last for one month such as a wooden log or pipe.

We also invite visitors to join us making enrichment tools through our education program. This program has had a positive response from our visitors, as they can try making enrichment and setting it up in animal exhibit. We hope that this activity encourages our visitors to care and love their wildlife.



Enrichment education programme that involves visitors



The implementation process of the enrichment programme at Bali Safari & Marine Park



Presentation from Ida Ayu Ari Janiawati from Bali Safari & Marine Park about Enrichment



Sumatran tiger husbandry at Siantar Zoo

By Siantar Zoo

We have a pair of Sumatran tigers at our zoo, Jendral (male) and Manis (female). The Sumatran Tiger is a subspecies of tiger that is endemic to Sumatra, and is listed as Critically Endangered species in IUCN Red List. As a zoo situated in Northern Sumatra, Siantar Zoo is heavily involved in the conservation effort to protect this species.

Our conservation efforts include participating in the Sumatran tiger GSMP by following their breeding and transfer recommendations. We are also actively involved in Action Indonesia Day and Global Tiger Day activities to raise awareness of the Sumatran tiger and other Indonesian wildlife. Our staff actively participate in GSMP husbandry workshops and training to increase staff capacity in animal care.



The front side of the Sumatran tiger enclosure, Siantar Zoo.

Diet and husbandry:

In their natural habitat, Sumatran tigers hunt for wild boar, deer, fish, or other small mammals. We feed our male, Jendral, 2kg beef and 3kg chicken each afternoon.

The front side of our tiger exhibit is covered with strong thick glass, with a 1-metre high fence in front of the exhibit for visitors. The tiger enclosure includes some artificial materials and pools as environmental en-

-richment, and trees to provide shelter and support natural behaviours of our tigers. We also have separate areas for resting.

We follow an enrichment programme and change the tiger enrichment regularly. Enrichment includes putting enrichment balls in their pools and elsewhere in their enclosure, hanging their food up, and encouraging scratching behaviour through providing ropes and materials on the trees.



Inside Jendral's enclosure at Siantar Zoo



Action Indonesia website update & social media

By Corinne Bailey, Programme Officer IUCN SSC AWGSG & Charlotte Smith, Head of Conservation Education & Engagement Chester Zoo, Chair Action Indonesia Education Working Group

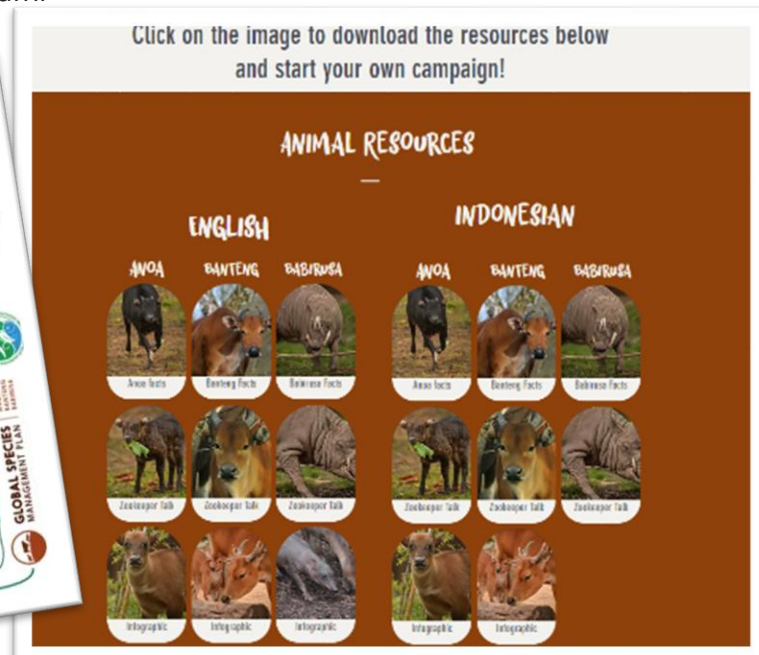
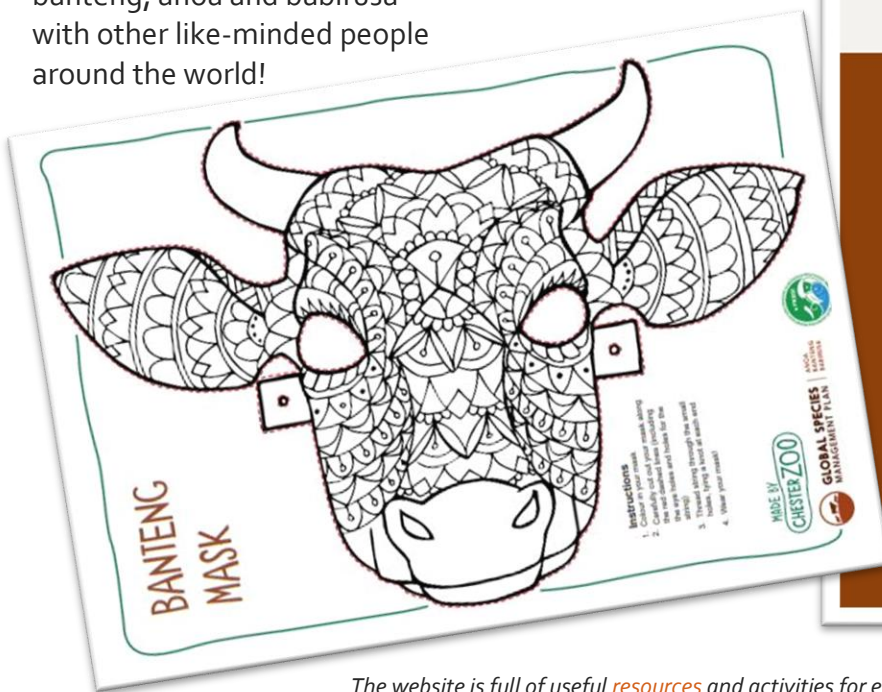
We're excited to announce that the Action Indonesia website has been updated! Over the last few months, the Education Working Group has been working hard to update the website, which features lots of information on anoa, banteng and babirusa and how Action Indonesia is working to protect them. Check out the website at actionindonesiagsmp.org to access lots of [education resources](#) in English and Bahasa Indonesia that will help you spread awareness about these unique species. And visit our [blog](#) to share your own stories of conserving banteng, anoa and babirusa with other like-minded people around the world!



The newly updated homepage of the Action Indonesia website

Be sure to follow our new social media pages to keep updated on all things Action Indonesia: [@actionindonesiagsmp](#) on Facebook and [@action_indonesiagsmp](#) on Instagram!

We want to share all of the great work happening around the world to protect these amazing species. Tag us in your posts and help us spread the news!



The website is full of useful [resources](#) and activities for educators, including this brilliant [banteng mask](#)



Contacts

For more information about the Action Indonesia GSMP partnership, please contact:

- James Burton (Chair, IUCN SSC AWCSG) jamesaburton@yahoo.co.uk
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Please enjoy this issue of the Action Indonesia Newsletter.
We look forward to hearing from you!



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We would like to thank all of the organisations, trainers and staff who support Action Indonesia and make our work possible.

