



ACTION INDONESIA

GLOBAL SPECIES MANAGEMENT PLAN



AZA Ungulate TAG meeting, April 2022

James Burton: Chair, IUCN SSC Asian Wild Cattle Specialist Group & Chair, EAZA Cattle and Camelid TAG &
Corinne Bailey: Programme Officer, IUCN SSC Asian Wild Cattle Specialist Group



Action Indonesia GSMPs

- Global Species Management Plans for anoa, banteng and babirusa (aligned with Sumatran tiger)
- Four main goals:
 1. To reach a demographically and genetically healthy global *ex situ* population
 2. To raise awareness among zoo visitors
 3. To use zoo expertise to help *in situ* conservation
 4. To prioritise and support *in situ* projects

Approved by WAZA – achieved using the One Plan Approach



Key Activities 2020-2022

Increasing populations and improving genetic diversity



Sharing husbandry skills and building capacity



Raising awareness about lesser known threatened species



Assessing status of wild populations



Increasing populations and improving genetic diversity in Indonesian zoos

- Two cycles of breeding and transfer recommendations (over 5 years)
- Births following breeding recommendations:
 - 24 banteng
 - 10 anoa
 - 9 babirusa
- Third cycle of breeding and transfer recommendations will be agreed by July 2022



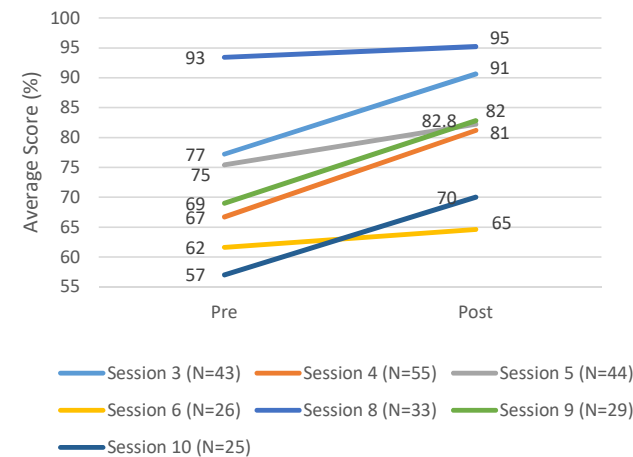
Genetic research

- **Aim:** characterize the genetic diversity of *ex situ* populations in Indonesian, European and North American Zoos.
- Sampling approved by Ministry to sample anoa, banteng and babirusa in Indonesian zoos
- **Sampling progress:** almost completed sampling a total of 30 banteng, 30 babirusa, and 25 anoa from 10 Indonesian zoos. 53 samples have been sequenced ready for further analysis
- **Next steps:** The genetic data will be analysed with Indonesian scientific institutes to ensure capacity building.



Improving husbandry skills and animal living conditions

- March 2020: trip to 12 zoos in Indonesia where GSMP and PKBSI experts shared husbandry advice
- In 2020, we held **10 virtual husbandry training sessions** for Indonesian zoo staff. Experts from AZA presented on topics to participants from over 33 institutions.
- **Approximately 200 practitioners** from Indonesian zoos and other conservation institutions have now received training in husbandry and transportation
- Developing an animal welfare MRes opportunity for Indonesian PKBSI-GSMP officer.



SEMINEAR ONLINE #9
PKBSI & GSMP
TIGER BEHAVIOUR MANAGEMENT & BREEDING

ACTION INDONESIA
 GLOBAL SPECIES MANAGEMENT PLAN


Jim Mackie
 Animal Training Officer
 ZSL London Zoo


Kathryn Sanders
 Predator Team Leader
 ZSL London Zoo


Erin Carey
 Staff Biologist
 Point Defiance Zoo


Lori Hieber
 Lead Wildlife Care Specialist
 San Diego Zoo Safari Park


Ligaya Tumbelaka
 Kabid Edukasi PKBSI


Yonathan
 Moderator :
 PKBSI-GSMP

Registrasi :
 sid/RegistrasiSOL9
 (Link live streaming diberikan H-1 melalui grup WA)

Sabtu, 14 November 2020
 20:00 - 21:30 WIB

Raising awareness about lesser known threatened species

- Virtual Education training began in 2021. Two sessions were held with around 40 participants each

- conservation education plan
- Interpretation

- **150 practitioners** from Indonesian zoos and other conservation institutions have received trained in conservation education
- Toolkit of education resources developed to help raise awareness
- **3 Action Indonesia Days** to raise global awareness about anoa, banteng and babirusa with **49 zoos** participating in 2021.
- **#ActionIndonesiaDay** reached 2.8 million social media users in 2021

TRAINING ONLINE PKBSI-GSMP
ZOO EDUCATOR #2

Interpretation Planning

Narasumber

- Julia Klumb, Manager, Zoo Graphics & Exhibitory, Miami Zoo, US
- Robert Lara, Coordinator, Animal Engagement Programs, Miami Zoo, US
- Fred Howat, Manager, Exhibitions & Interpretation, Chester Zoo, UK
- Ida Ayu Ari Janiawati, MSi, Assistant Curator, Bali Safari Park

Host & Moderator

- Ligaya Tumbelaka, Kabid Edukasi, PKBSI
- Yonathan, Program Officer, PKBSI-GSMP

Moderator

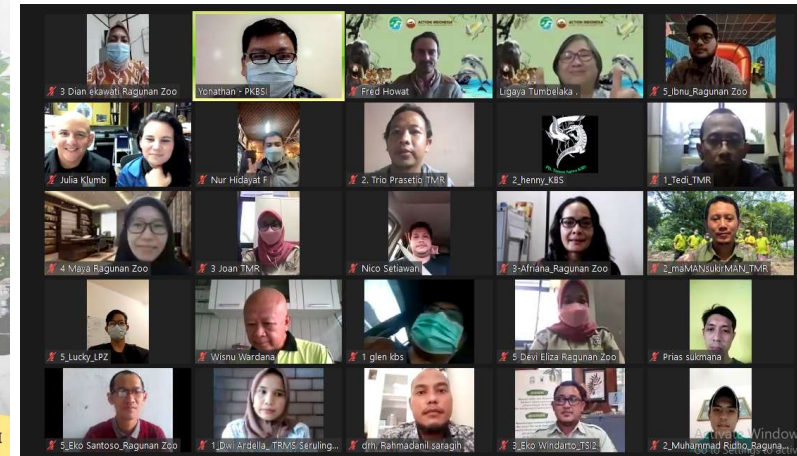
- Yonathan, Program Officer, PKBSI-GSMP

RABU & KAMIS
29-30 SEPTEMBER 2021
15.00 S/D 17.00 WIB

Registrasi : s.id/educator2 (link diberikan H-1)

LIVE ON **zoom**

*Khusus PKBSI



Photos: Chester Zoo

ACTION INDONESIA
GLOBAL SPECIES
MANAGEMENT PLAN | ANOA
BANTENG
BABIRUSA

Communications



Action Indonesia GSMPs for Anoa, Banteng and Babirusa – Update on Progress Made and Invitation to Get Involved in Action Indonesia Day

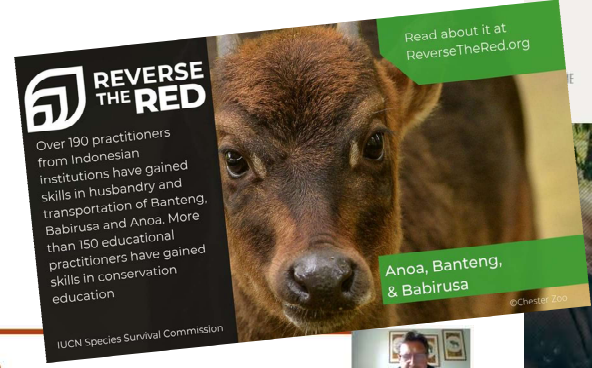
By Yonathan, PKBSI-GSMP Programme Officer Indonesian Zoo and Aquarium Association (PKBSI), Charlotte Smith, Head of Conservation Education and Engagement, Chester Zoo, Corinne Bailey, Programme Officer, IUCN SSC Asian Wild Cattle Specialist Group

The Action Indonesia Global Species Management Plans (GSMPs) are an international collaboration to conserve the anoa, banteng and babirusa. Over fifty institutions from the global zoo community and *in situ* conservation partners combine their skills and resources to achieve stable and secure populations of these species.

The Action Indonesia partnership is structured according to the WAZA Global Species Management

Highlighting some successes
One of the primary goals of the Action Indonesia partnership is to reach a demographically and genetically healthy global *ex situ* population. This is particularly important for Indonesian zoo populations of these species, as they contain several founder animals whose genetics are underrepresented in the global zoo population. International population biologists work with

actionindonesiagsmp.org
asianwildcattle.org



ACTION INDONESIA GLOBAL SPECIES MANAGEMENT PLAN WEBINAR

HOST:
David Field, Chair of WAZA's Committee for Population Management and CEO of the Royal Zoological Society of Scotland

PANELLISTS:
Dr. James Burton, Chair of IUCN SSC Asian Wild Cattle Specialist Group
Dr. Ligaya Tumbelaka, Head of the Education and Training Division at PKBSI, Sumatran Tiger GSMP co-convenor, co-leader of the Husbandry Working Group and Education Working Group
Charlotte Smith, Head of Conservation Education & Engagement, Chester Zoo. Co-leader of the Education Working Group

Marcel Alaze, Curator, Allwetter Zoo, EEP Coordinator for Anoa and Sixth Bear, Member of the Fundraising, Husbandry, Anoa Population management and *in situ* Working Groups
Steve Metzler, Curator of Mammals, San Diego Zoo, Banteng SSP coordinator, Chair of the Antelope, Cattle, Giraffid, and Camelid TAG (ACGC), co-leader of the Husbandry Working Group and Banteng Population management Working Group



BULLeTIn December 2020 | Issue 5

Progress of the Action Indonesia GSMPs 2016-2020: Global collaboration to conserve the anoa, banteng, babirusa and Sumatran tiger

Burton, J.^{1,11}, Bailey, C.^{2,11}, Yonathan, Y.², Andrews, J.³, Chandra, I.⁴, Forys, J.⁵, Fitzpatrick, M.⁶, Frantz, L.⁷, Mustari, A. H.⁸, Holland, J.⁹, Hornsey, T.¹⁰, Humphreys, A.¹¹, Hvilson, C.¹², Leus, K.^{12, 13, 21}, Metzler, S.¹⁴, Pentawati, S.¹⁵, Rode-Margono, E. J.^{20, 21}, Rowlands, T.¹¹, Semiadi, G.^{2, 16}, Smith, C.¹¹, Sumampau, T.^{2, 4, 17}, Traylor-Holzer, K.¹⁸, Tri Hastuti, Y.¹⁷, Tumbelaka, L.^{2, 19}, Young, S.¹¹

¹IUCN SSC Asian Wild Cattle Specialist Group
²Perhimpunan Kebun Binatang Se-Indonesia (PKBSI) / Indonesia Zoos and Aquariums Association (IZAA)
³AZA Population Management Center at Lincoln Park Zoo, USA
⁴Taman Safari Indonesia II, Prigen, Pasuruan, Indonesia
⁵Australian Zoo and Aquariums Institute, IFA



ACTION INDONESIA NEWSLETTER | ISSUE 9

Issue 9 June 2021

WAZA World Association of Zoos and Aquariums
IUCN International Union for Conservation of Nature
SSC Specialist Group
PKBSI Perhimpunan Kebun Binatang Se-Indonesia
EAZA European Association of Zoos and Aquariums
AWCSG Asian Wild Cattle Specialist Group
ASSOCIATION OF ZOOS & AQUARIUMS
WFOSSG World Foundation of Specialist Groups

Editor's note

By Corinne Bailey, Programme Officer, IUCN SSC AWCSG; Caitlin Cross, Field Programmes Officer, Chester Zoo

Welcome to the ninth issue of the Action Indonesia GSMP newsletter! This issue follows the beginning of PKBSI's genetic sampling of GSMP species in Indonesian 2020 and our preparations for Action Indonesia Day 2021!

Action Indonesia 2021 is happening on August 18th. Find out more about how you can get involved in this newsletter, on our [website](#), and on social media. It runs up to the 20th day, we are also running a live paper event on the 19th July, hosted by WAZA. [Join this session](#) to hear GSMP experts from 3 continents speak about their work to conserve anoa, babirusa, banteng and Sumatran tiger using the One Plan Approach.

This year, PKBSI, IZAA and Action Indonesia have been collaborating on a genetic sampling activity to sample 30 founder individuals of anoa, babirusa and banteng in Indonesian zoos. We would like to send a huge thank you to all the zoos involved so far for their participation!

We continue to send our best wishes to all of our partners affected by the pandemic. We are incredibly grateful to everyone who has committed their time and efforts to the GSMP during this challenging period, and look forward to when we can see each other safely again.

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. If you would like more information about the Action Indonesia partnership, including joining and contribution opportunities, please contact Corinne. We hope you enjoy this issue and look forward to hearing from you!

RETHINK

- Action Indonesia Day 2021!
- Genetic sampling project in Indonesian zoos
- The birth of a Javan banteng during the COVID-19 pandemic
- Cycle for Sulawesi! Matt Thompson's challenge to raise funds for wild cattle
- GSMP update in the AZA mid-year conference update IAGS
- Action Indonesia webinar

ACTION INDONESIA GLOBAL SPECIES MANAGEMENT PLAN

Assessing the status of wild populations

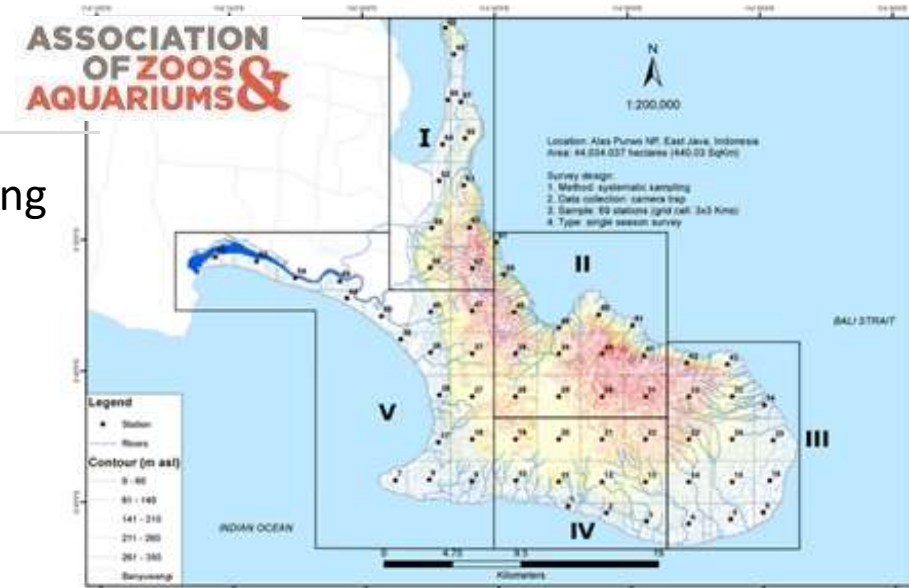
- Monitoring banteng populations through camera-trapping in Alas Purwo National Park, East Java
- Support to rescued anoa and babirusa in Sulawesi



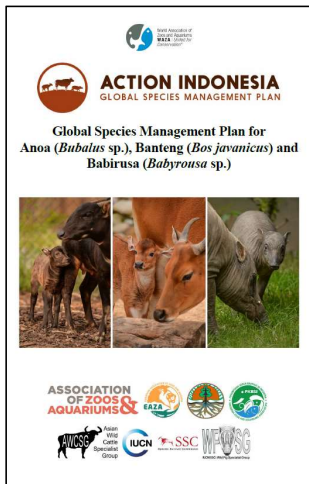
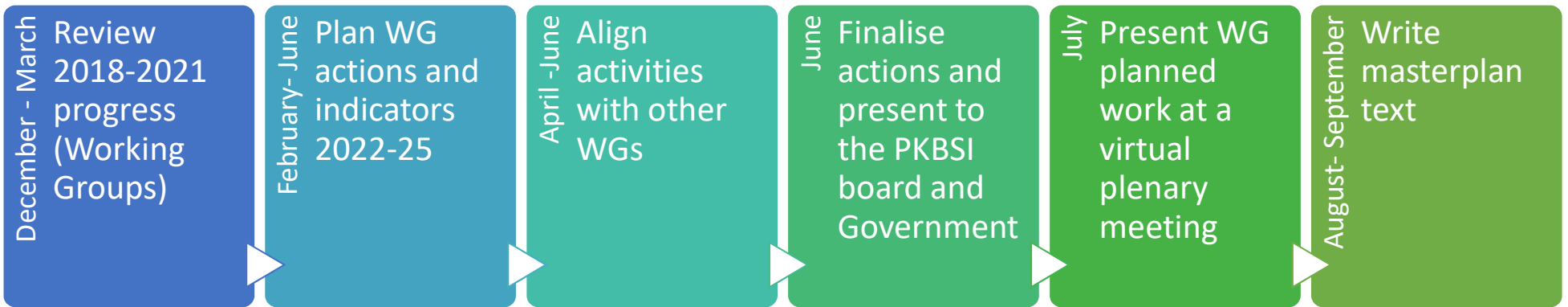
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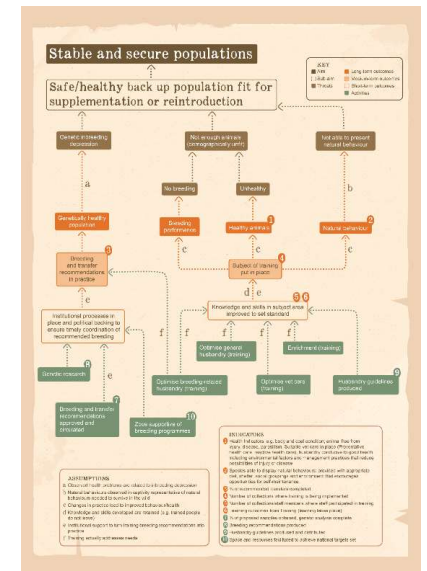
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Planning for Action Indonesia 2022-2025



Planning for 2018-2021



Upcoming activities

- GSMP thematic webinars
- Action Indonesia Day 2022 on the 14th August
- Education training for *in situ* organisations
- Sulawesi *in situ* monitoring of babirusa and anoa



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How you can get involved

- Holding these species in your institution
- Contribute your skills in husbandry, education or fundraising to our teams
- Provide funding support for anoa and babirusa monitoring in Sulawesi or banteng monitoring in Alas Purwo National Park
- Contribute to the core running costs of the GSMP
- Join Action Indonesia Day on August 14th!



| Working Group | Leaders |
|----------------------------------|--|
| Anoa Population Management | Telena Welsh , Point defiance Zoo & Aquarium, John Andrews , Lincoln Park Zoo |
| Babirusa Population Management | Joe Forys , Audubon Zoo |
| Banteng Population Management | Steve Metzler , Dallas Zoo |
| Education | Julia Klumb , Zoo Miami & Jamie Jackson , Indianapolis Zoo |
| Fundraising and Communications | Jeff Holland , CCTU Center for Conservation of Tropical Ungulates/ Re:wild |
| Genetics | Christina Hvilson , Copenhagen Zoo (Denmark) |
| Husbandry Training | Joe Forys , Audubon Zoo |
| Anoa and babirusa <i>in situ</i> | James Burton , IUCN SSC AWCSG (UK) |
| Banteng <i>in situ</i> | Carl Traeholt , Copenhagen Zoo (Denmark) |

More information

Contact us:

jamesaburton@yahoo.co.uk

Telena Welsh, Steve Metzler,
Joe Forys or Jeff Holland

Sign up for our newsletter:

www.actionindonesiagsmp.org



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GLOBAL SPECIES MANAGEMENT PLAN

Thanks for your support:

