

## PUBLICATION LIST

Please find below the main papers co-authored by members of TAGs and their collaborators in 2019.

### TERRESTRIAL INVERTEBRATE

Outerbridge, M. O, Ovaska K. and Garcia, G. (2019). *Back from the brink - recovery efforts for endemic land snails of Bermuda*. *Tentacle* 27: 16-18

Coote, T. et al. (2019). *Fourth year of Partula species reintroductions into natural habitat on Tahiti and Moorea*. *Tentacle* 27: 35-38

### AMPHIBIAN

Cutajar, T. et al. (2020). *The advertisement call of Megophrys jingdongensis (Fei and Ye, 1983) and a new record from Lai Chau Province, Northeast Vietnam*. *Herpetology Notes* 13: 139-143

Flach, E.J. et al. (2020). *Postmortem findings in eight species of captive caecilians (Amphibia: Gymnophiona) over a ten-year period*. *Journal of Zoo and Wildlife Medicine* 50(4): 879-890

Hudson, M.A. et al. (2019). *Reservoir frogs: seasonality of Batrachochytrium dendrobatidis infection in robber frogs in Dominica and Montserrat*. *PeerJ* 7: p.e7021

Jameson, T.J. et al. (2019). *Wild diet of the Critically Endangered mountain chicken (Leptodactylus fallax)*. *Herpetological Journal* 29(4): 299-303

Jameson, T. J. M. et al. (2019). *Best Practice Guidelines for the Mountain Chicken (Leptodactylus fallax)*. European Association of Zoos and Aquariums, Amsterdam, The Netherlands

Marquis, O. et al. (2019). *A first screening of chytrid fungus Batrachochytrium in amphibians in French zoos*. *International Zoo Yearbook* 53(1): 217-226

Michaels, C.J., Denk, D. and Flach, E. (2019). *First report of pseudohermaphroditism in a salamander*. *Herpetology Notes* 12: 685-687

Nguyen, L.T. et al. (2019). *The first record of Limnonectes nguyenorum McLeod, Kurlbaum & Hoang (Amphibia: Anura: Dicroglossidae) from Lao Cai Province, Northwest Vietnam*. *Proceedings of the Fourth National Scientific Conference on Amphibians and Reptiles in Vietnam*: 135-139

Pham, A.V. et al. (2019). *New records of megophryids (Amphibia: Anura: Megophryidae) from Son La Province, Vietnam*. *Biodiversity Data Journal* 7: e39140

Pham, A.V. et al. (2019). *A new species of Amolops*

*(Anura: Ranidae) from Vietnam*. *Raffles Bulletin of Zoology* 67: 363-377

Pham, C.T. et al. (2019). *First record of Gracixalus quangi Rowley, Dau, Nguyen, Cao & Nguyen, 2011, from Hoa Binh Province, Vietnam, including the first documentation of advanced larval stages and an extended tadpole description*. *Amphibian & Reptile Conservation* 13(1): 90-103

Schweikhard, J. et al. (2019). *Investigations into the illegal wildlife trade in central Lao PDR*. *Traffic Bulletin* 3(1): 19-25

Smith, J.M. et al. (2019). *Stable individual variation in ventral spotting patterns in Phyllomedusa trinitatis (Anura: Phyllomedusidae) and other Phyllomedusa species: a minimally invasive method for recognizing individuals*. *Phyllomedusa: Journal of Herpetology* 18(1): 13-26

Tapley, B. et al. (2019). *EAZA Best Practice Guidelines for typhlonectid caecilians – First edition*. European Association of Zoos and Aquariums, Amsterdam, The Netherlands

Tapley, B. et al. (2019). *The use of visible implant elastomer to permanently identify caecilians (Amphibia: Gymnophiona)*. *Herpetological Bulletin* 150: 18-22

Turvey, S.T. et al. (2019). *Historical museum collections clarify the evolutionary history of cryptic species radiation in the world's largest amphibians*. *Ecology and Evolution* 9: 10070-10084

Vences, M. et al. (2019). *Development of new microsatellite markers for the Green Toad, Bufotes viridis, to assess population structure at its northwestern range boundary in Germany*. *Salamandra* 55(3): 191-198

Whatley, C. et al. (2020). *Impacts of UVB provision on serum vitamin D3, pigmentation, growth rates and total body mineral content in Mallorcan midwife toad larvae (Alytes muletensis)*. *Journal of Zoo and Aquarium Research* 8(1): 37-44

Ziegler, T. and Nguyen, T.Q. (2019). *Herpetological research and conservation in Vietnam and Laos in compliance with the one plan approach*. *Proceedings of the 4th National Scientific Conference on Amphibians and Reptiles in Vietnam, Thanh Hoa*, 17-26

Ziegler, T. and Rauhaus, A. (2019). *Topical amphibian projects of the Cologne Zoo including first breeding of the Vietnamese crocodile newt (Tylostotriton vietnamensis)*. *Elaphe* 5: 30-42

Ziegler, T. and Rauhaus, A. (2019). *The contribution of the Cologne Zoo towards amphibian diversity conservation: Breeding, research and conservation projects*. Zeitschrift des Kölner Zoos 2: 79-104

Ziegler, T. et al. (2019). *A collaborative effort for conservation management of the Green Toad in Cologne Area*. Amphibian Ark Newsletter 47: 6-8

## REPTILE

Caut, S. et al. (2019). *The Dark Side of the Black Caiman: shedding light on species dietary ecology and movement in Agami pond, French Guiana*. PLOS ONE 14(6)

de Boer, M., Jansen L. and Stumpel J. (2019). *EAZA Best Practice Guidelines for the Egyptian tortoise, Testudo kleinmanni – First edition*. European Association of Zoos and Aquariums, Amsterdam, The Netherlands

Farkas, B. et al. (2019). *A new species of Pelodiscus from northeastern Indochina (Testudines: Trionychidae)*. ZooKeys 824: 71-86

Geissler, P. et al. (2019). *Herpetofauna of the Phnom Kulen National Park, northern Cambodia – An annotated checklist*. Cambodian Journal of Natural History 2019 (1): 40-63

Goetz, M. (2019). *EAZA Best Practice Guidelines for the Ploughshare tortoise, Astrochelys yniphora – First edition*. European Association of Zoos and Aquariums, Amsterdam, The Netherlands

Goetz, M. et al. (2019). *EAZA Reptile Taxon Advisory Group, Regional Collection Plan - Chelonia – First edition*. European Association of Zoos and Aquariums, Amsterdam, The Netherlands

Iannucci, A. et al. (2019). *Conserved sex chromosomes and karyotype evolution in monitor lizards (Varanidae)*. Heredity 123: 215-227

Iannucci A. et al. (2019). *Isolating Chromosomes of the Komodo Dragon: New Tools for Comparative Mapping and Sequence Assembly*. Cytogenet Genome Res 157: 123-131

Janssen, H.Y. et al. (2019). *A new species of Lycodon Boie, 1826 (Serpentes: Colubridae) from northern Vietnam*. ZooKeys 875: 1-29

Kane, D., Davis A.C. and Michaels C.J. (2019). *Play behaviour by captive tree monitors, Varanus macraei and Varanus prasinus*. Herpetological Bulletin 149: 28-31

Kane, D. et al. (2019). *Reptile diversity of southern Morocco: range extensions and the role of the Djebel Ouarkiz as a biogeographical barrier*. Herpetology Notes 12: 787-793

Lagerström, L. (2018). *EAZA-ESB for the Radiated Tortoise, Astrochelys radiata – First Edition*. Parken Zoo, Eskilstuna AB, Sweden

Langner, C. and Goetz, M. (2019). *Die Nordafrikanische Schachbrettschleiche Trogonophis wiegmanni – Erkenntnisse zur Lebensweise in der Natur, zur Haltung und Nachzucht im Terrarium sowie Neuigkeiten zur Taxonomie*. Elaphe 6:32-37

Lemaire, J. and Marquis O. (2019). *Observation of tail outgrowth on Schneider's dwarf caiman (Paleosuchus trigonatus) in French Guiana*. IUCN Crocodile Specialist Group Newsletter 37 (2): 18-21

Lind, A.L. et al. (2019). *Genome of the Komodo dragon reveals adaptations in the cardiovascular and chemosensory systems of monitor lizards*. Nat Ecol Evol 3, 1241-1252

Luu, V.Q. et al. (2019). *A new species of Lycodon Boie, 1826 (Serpentes: Colubridae) from Thanh Hoa Province, Vietnam*. Zootaxa 4586(2): 261-277

Mwaya, R.T et al. (2019). *Malacochersus tornieri*. The IUCN Red List of Threatened Species 2019: e.T12696A508210

Ngo, H.N. et al. (2019). *A case study on trade in threatened Tiger Geckos (Goniurosaurus) in Vietnam including updated information on the abundance of the Endangered G. catbaensis*. Nature Conservation 33: 1-19

Ngo, H.N. et al. (2019). *First record of the Cat Ba tiger gecko, Goniurosaurus catbaensis, from Ha Long Bay, Quang Ninh Province, Vietnam: Microhabitat selection, potential distribution, and evidence of threats*. Amphibian and Reptile Conservation 13(2): 1-13

Pham, A.V. et al. (2019). *A new species of Cyrtodactylus (Squamata: Gekkonidae) from northwestern Vietnam*. Zootaxa 4544(3) 360-380

Platt, S.G. et al. (2019). *Batagur trivittata (Burmese Roofed Turtle)*. Behavior. Herpetological Review 50: 765-766

Platt, S.G. et al. (2019). *Batagur trivittata (Burmese Roofed Turtle)*. Sexual size dimorphism. Herpetological Review 50: 553-555

Rehák, I. (2019). *European Studbook for the Gharial, Gavialis gangeticus - First Edition*. Prague Zoo, Prague, Czech Republic

Reinhardt, T. et al. (2019). *Monitoring a loss: detection of the semi-aquatic crocodile lizard (Shinisaurus crocodilurus) in inaccessible habitats via environmental DNA*. Aquatic Conservation Marine and Freshwater Ecosystems 29: 353-360

Rovatsos, M. et al. (2019). *Shared Ancient Sex Chromosomes in Varanids, Beaded Lizards, and Alligator Lizards*. *Molecular Biology and Evolution* 36(6): 1113–1120

Schweikhard, J. et al. (2019). *Investigations into the illegal wildlife trade in central Lao PDR*. *Traffic Bulletin* 3(1): 19-25

Sitthivong, S. et al. (2019). *A new species of Cyrtodactylus (Squamata: Gekkonidae) from Vientiane Province, northern Laos*. *Zootaxa* 4701(3): 257-275

Slavenko, A. et al. (2019). *Global patterns of body size evolution in squamate reptiles are not driven by climate*. *Global Ecology and Biogeography* 1–13

Thomas, O., Kane D. and Michaels C.J. (2019). *Effects of different heat sources on the behaviour of blue tree monitors (Varanus macraei) in captivity*. *Herpetological Bulletin* 149: 41-43

Turner H, R. et al. (2019). *Estimating population parameters for the critically endangered Bermuda skink using robust design capture-mark-recapture modelling*. *Oryx* 53(4): 1-8

Vidan, E. et al. (2019). *The global biogeography of lizard functional groups*. *Journal of Biogeography* 1–12

Youngman, N.J. et al. (2019). *Venomous landmines: clinical implications of extreme coagulotoxic diversification and differential neutralization by antivenom of venoms within the viperid snake genus Bitis*. *Toxins* 11(7): 422

Ziegler, T. et al. (2019). *Genetic analysis of Siamese crocodiles (Crocodylus siamensis) in Laos, Vietnam and Zoos as basis for conservation breeding and release: another successful example for the “One Plan Approach”* [in German]. *ZGAP Mitteilungen* 34(2): 21-25

Ziegler, T. and Rauhaus, A. (2019). *EAZA ESB for the Philippine Crocodile (Crocodylus mindorensis) – Sixth edition*. Cologne Zoo, Cologne, Germany

Ziegler, T. et al. (2019). *New insights into the habitat use and husbandry of crocodile lizards (Reptilia: Shinisauridae) including the conception of new facilities for Vietnamese crocodile lizards Shinisaurus crocodilurus vietnamensis in Vietnam and Germany*. *International Zoo Yearbook* 53: 1-20

Ziegler, T. et al. (2019). *Rediscovery of Andrea's keelback, Hebius andreae (Ziegler & Le, 2006): First country record for Laos and phylogenetic placement*. *Revue Suisse de Zoologie* 126(1): 61-71

Ziegler, T. et al. (2019). *A new species of reed snake, Calamaria Boie, 1827 from the Central Highlands of Vietnam (Squamata: Colubridae)*. *Revue Suisse de*

*Zoologie* 126(1): 17-26

Ziegler, T. et al. (2019). *Three new species of the snake genus Achalinus from Vietnam (Squamata: Xenodermatidae)*. *Zootaxa* 4590(2): 249-269

Ziegler, T. et al. (2019). *A new species of Opisthotropis from northern Vietnam previously misidentified as the Yellow-spotted Mountain Stream Keelback O. maculosa Stuart & Chuyankern, 2007 (Squamata: Natricidae)*. *Zootaxa* 4613(3): 579-586

Ziegler, T. and Nguyen, T.Q. (2019). *Herpetological research and conservation in Vietnam and Laos in compliance with the “one plan approach”*. *Proceedings of the Fourth National Scientific Conference on Amphibians and Reptiles in Vietnam, Thanh Hoa*, 17-26

Ziegler, T., Rauhaus, A. and Vences, M. (2019). *First breeding in the world of the Cryptic Golden Tegu (Tupinambis cryptus) in the Terrarium section of the Cologne Zoo* [in German]. *Elaphe* 1: 22-31

#### **PARROT**

Braun, M. et al. (2018). *Effects of cold winters and roost site stability on population development of non-native Asian ring-necked parakeets (Alexandrinus manillensis) in temperate Central Europe – results of a 16-year census*. *European Journal of Ecology* 4(2):49-55

Bruslund, S. (2019). *Infertile Eggs in Swift Parrots, orig. Unbefruchtete Eier bei Schwalbensittichen – Fragen an Expertenrat*. *Papageien* 10(32): 348-349

#### **MONOTREME AND MARSUPIALS**

Perrin, K.L. and Bertelsen, M.F. (2019). *Acute Phase reactants in Healthy, Sick and Devil Facial Tumour Disease-affected Tasmanian Devils (Sarcophilus harrisii)*. *Center for Zoo and Wild Animal Health, Copenhagen, Denmark*

#### **CALLITRICHIDS**

Douay, G. et al. (2019). *Assessment of the utility of a commercial calprotectin and lactoferrin rapid test in diagnosis of marmoset wasting syndrome*. *Journal of Zoo and Aquarium Research* 7(2): 67-73

McCoy, D. et al. (2019). *A comparative study of litter size and sex composition in a large dataset of callitrichine monkeys*. *American Journal of Primatology* 81 (9): e23038

Price, E. et al (2019). *Individual, social, and environmental factors affecting salivary and fecal cortisol levels in captive pied tamarins (Saguinus bicolor)*.

American Journal of Primatology 81(8): e23033

#### **GREAT APES**

Strong, V. et al. (2019). *Idiopathic Myocardial Fibrosis in Captive Chimpanzees (Pan troglodytes)*. Veterinary Pathology 57(1):183-191

Fienieg, E. et al. (2019). *Population Paradox: in the wake of a Critically Endangered status update, the EEP is reviewing and revising its strategies*. Zooquaria 104

Abelló, M.T. and Reichler, S. (2019). *How is the EAZA Great Ape TAG linked to in situ Conservation?* Gorilla Journal 59

#### **SMALL CARNIVORES**

Veron, G. et al. (2019). *Genetic diversity and structure of the binturong *Arctictis binturong* (Carnivora: Viverridae) – status of the elusive Palawan binturong and implications for conservation*. Zoological Journal of the Linnean Society 188(1): 302-318

Willcox, D. et al. (2019). *Conservation Strategy for Owston's Civet *Chrotogale owstoni* 2019 – 2029*. Save Vietnam's Wildlife, Vietnam and the IUCN SSC Small Carnivore Specialist Group

#### **FELID**

Breitenmoser, U., Breitenmoser C. and Lanz, T. (2019). *Pallas's cat Status Review and Conservation Strategy*. IUCN Cat News Special 13

#### **EQUID**

Kerekes, V. et al. (2019). *Analysis of habitat use, activity, and body condition scores of Przewalski's horses in Hortobágy National Park, Hungary*. Nature Conservation Research 4: 31-40

Langenhorst, T., Mate, L. and Naanyu, E. (2019). *Grevy's zebra conservation in Kenya 2019*. Report and funding proposal prepared for supporters and members of the Grevy's zebra EEP conservation projects. Marwell Wildlife, UK

A complete list of 2019 publications can be found on the Equid TAG page on the Member Area.

#### **TAPIR AND SUIFORM**

The publications are published in the respective studbooks, but the following need to be highlighted:

Mahathir, M. et al. (2019). *Habitat utilization of a translocated Malayan tapir in Senaling Inas forest*

*reserve, Negeri Sembilan*. Journal of Sustainability Science and Management 14(4): 65-70

Przybylska, L. (2019). *European studbook for Visayan warty pig (*Sus cebifrons negrinus*)*. Zoo Wroclaw, Poland

Root-Bernstein, M. et al. (2019). *Context-specific tool use by *Sus cebifrons**. Mammalian Biology 98: 102-110

Stears, K. et al. (2019). *Spatial ecology of male hippopotamus in a changing watershed*. Scientific Reports 9