

Résumé Sunarto, Ph.D

- Wildlife & Landscape Ecologist, Permian Global (current)
- Research Associate, Research Center for Biodiversity, Institute for Sustainable Earth and Resources (ISER), University of Indonesia (current)
- Wildlife & Landscape Ecologist, WWF (2011 to 2020)
- Kinship Conservation Fellow Since 2019
- Member of Multi-stakeholder Task Force (GTM), Directorate General of Natural Resource and Ecosystem Conservation (KSDAE), Ministry of Environment & Forestry
- IUCN SSC Specialist Group Member for Cats, Asian Elephants & Asian Rhinos
- Advisory Board Member of IUCN ITHCP, HarimauKita Forum, Indonesia Elephant Forum, Tambora Muda & SCB-Indonesia Chapter
- Co-founder: Forum HarimauKita, Perkumpulan Gajah Indonesia, SCB-Indonesia Chapter, Yayasan Palka Agra Hayati

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Education	PhD in Wildlife Sciences 2011 <i>Department of Fisheries and Wildlife Sciences, Virginia Tech, USA</i> Dissertation titled “Ecology and restoration of Sumatran tigers in forest and plantation landscapes.”
	Graduate Certificate in Future Professoriate 2010 <i>Graduate School, Virginia Tech, USA</i> A multidisciplinary program aims to prepare future faculty and academic leaders by exposure to concepts to better prepare the next generation professoriate/professional that break the mold of existing practices in higher education.
	MSc in Applied Ecology and Conservation 2000 <i>University of East Anglia, England</i> Thesis written titled “Plant survival and the dynamics of forest ecosystem in response to fire: a long-term study from Sumatra”
	Sarjana Sains (5 years Bachelor) in Biology 1996 <i>University of Indonesia</i> Sarjana Sains degree with final thesis on “Resource Partitioning among Kingfishers in Tangkoko Duasudara Nature Reserve, North Sulawesi”

Career History

Wildlife & Landscape Ecologist, WWF

2011-to
date

- Serve as a key contact in the organization for the ecology and conservation aspects of the priority wildlife
- Coordinates programs for tiger conservation in their relevant habitats in Sumatra.
- Coordinate national programs on integrated protection of wildlife that include marine and terrestrial animals (since 2018)
- Support projects with species strategy development and help with policy level initiatives to support species conservation strategies in Indonesia.
- Strengthen the capacity of the organization in tiger, elephant, and rhino conservation science
- Maintain communication with network, key partners and relevant stakeholders on issues related to species conservation science
- Promote collaborations with stakeholders on species conservation science

Wildlife Biologist & Graduate Research/Teaching Assistant, WWF & Virginia Tech

2004-
2011

- Played a key role in successful fundraisings for field research and conservation programs
- Successfully designed monitoring programs and conducted research on the ecology of Sumatran tigers and completed field data collection for PhD dissertation
- Effectively supervised and trained field teams
- Successfully promoted the involvement of local students in various research and conservation activities, including the creation of a scholarship scheme to support independent research projects by students
- Significantly contributed in the development of National Strategy and Action Plan for Tiger Conservation; in the engagement of private sectors and development of guideline for better management practices to support tiger conservation; and development of Sumatran tiger conservation forum
- Successfully analyzed complex data on tiger ecology, and produced reports, publications, and dissertations in timely manner.
- Assisted and co-instructed graduate- and undergraduate-level classes of Population Dynamics, Conservation Biology, and Wildlife Population Parameter Estimations

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|---|------------------|
| <p>Project Manager/Biodiversity Specialist, Conservation International (CI)</p> <ul style="list-style-type: none"> • Contributed in the establishment of Batang Gadis National Park through provision of scientific justifications • Managed orangutan conservation projects that helped suppress habitat destruction and promoted public awareness | <p>2001-2004</p> |
| <p>Field Team Leader, Integrated Conservation and Development Project (ICDP Project Consultant)</p> <ul style="list-style-type: none"> • Lead a field team to collect and document key biodiversity indicators in timber concession areas based on field surveys • Contributed in the expansion/repatriation of key wildlife habitat areas in Kerinci Seblat National Park. | <p>2001-2001</p> |
| <p>Research Station Manager, Wildlife Conservation Society (WCS)</p> <ul style="list-style-type: none"> • Successfully lead a team to build, maintained & managed Way Canguk conservation research and training station inside Bukit Barisan Selatan National Park • Successfully managed to initiate long-term ecological monitoring programs, involving local people as well as international and local students | <p>1996-1999</p> |

Memberships & Affiliations

- Kinship Conservation Fellow Since 2019
- Gugus Tugas Multi-pihak (Multi-parties Task Force), Directorate General for Natural Resources and Ecosystem Conservation, Ministry of Environment & Forestry
- IUCN-KFW Integrated Tiger Habitat Conservation Program (member of Program Advisory Committee since 2016)
- IUCN SSC Cat Specialist Group (member since 2008)
- IUCN SSC Asian Rhino Specialist Group (member since 2013)
- IUCN SSC Asian Elephant Specialist Group (member since 2017)
- HarimauKita – The Sumatran Tiger Conservation Forum (co-founder & supervisory board since 2008)
- Forum Gajah – The Indonesian Elephant Conservation Forum (co-chair) since 2013
- Indonesia Ornithological Union (member)
- Society for Conservation Biology (Co-founder and Advisory Board Member of Indonesia Chapter)

**Selected
Publications**

- Sunarto. 2021.** With the increased number of Javan rhinos, what is the next conservation goal for these animals? <https://theconversation.com/with-the-increased-number-of-javan-rhinos-what-is-the-next-conservation-goal-for-these-animals-169049>
- Sunarto. 2021.** World Rhino Day: urgent action must be taken to save the critically endangered Sumatran rhino. <https://theconversation.com/world-rhino-day-urgent-action-must-be-taken-to-save-the-critically-endangered-sumatran-rhino-168395>
- Sunarto. 2021.** Sebiji Brondolan dan Hilangnya Rimba. <https://medium.com/the-malay-archipelago/sebiji-brondolan-dan-hilangnya-rimba-68955b6b31d1>
- Sunarto. 2021.** Harimau Jawa: Masih Ada atau Sudah Punah? <https://www.forestdigest.com/detail/936/eksistensi-harimau-jawa>
- Sunarto. 2020.** Habis Pandemi Terbitlah One Health. Mongabay <https://www.mongabay.co.id/2020/12/23/habis-pandemi-terbitlah-one-health/>
- Sunarto. 2020.** Jalur Jalan-Setapak Nusantara. Forest Digest 18 November 2020 <https://www.forestdigest.com/detail/883/sistem-jalan-setapak-nusantara>
- Sunarto. 2020.** Sistem Jalan Setapak Nusantara. Forest Digest 15 November 2020 <https://www.forestdigest.com/detail/853/sistem-jalan-setapak-di-perkotaan>
- Sunarto. 2020.** Fundamental Shifts for the Recovery of Indonesia's Biodiversity. Tempo English Edition Magazine, November 2020 <https://en.tempo.co/read/1404080/fundamental-shifts-for-the-recovery-of-indonesias-biodiversity>
- Sunarto. 2020.** Saving Sumatran Rhinos: The new challenge. Op-ed in Jakarta Post, 21 September 2020. <https://www.thejakartapost.com/academia/2020/09/21/saving-sumatran-rhinos-the-new-challenge.html>
- Widodo, F.A., **Sunarto**, et al. 2020. Preliminary assessment of abundance and distribution of Dholes *Cuon alpinus* in Rimbang Baling and Tesso Nilo landscapes, Sumatra. Raffles Bull. Zool. 68: 387-395
- Sunarto. 2019.** Apakah Arti Sebuah Nama... In Forum HarimauKita 2019. AUM: Atlas Harimau Nusantara. Direktorat KKH, Kementerian Lingkungan Hidup dan Kehutanan.
- Widodo, F.A., S. Hanny, E. H. S. Utomo, Zulfahmi, Kusdianto, E. Septayuda, E. Tugio, E. Panjaitan, L. Subali, A. Suprianto, K. Parakkasi, N. Fadhli, W. Sukmantoro, I. Budianti, & **S. Sunarto. 2017.** *Tigers and Their Prey in Bukit Rimbang Bukit Baling: Abundance Baseline for Effective Wildlife Reserve Management.* Journal of Forest Science 11: 118-129
- Setiawan, Brian D. Gerber,*, Ujang Mamat Rahmat, Daryan Daryan, Asep Yayus Firdaus, Mohammad Haryono, Kurnia Okhtavia Khairani, Yuyun Kurniawan, Barney Long, Arnaud Lyet, Muhiban Muhiban, Rois Mahmud, Aom Muhtarom, Elisabet Purastuti, Widodo S. Ramono, Dadan Subrata, **Sunarto. 2017.** *Preventing Global Extinction of the Javan Rhino: Tsunami Risk and Future Conservation Direction.* Conservation Letters **11(1)**: e12366.
- Rich, L, and several other authors including **Sunarto. 2017.** Assessing global pattern in mammalian carnivore occupancy and richness by integrating local camera trap surveys. Global Ecol. Biogeography 26(8): 918-929
- Sunarto 2017.** Revitalizing tiger recovery efforts. The Jakarta Post, July 29th, <http://idcheveningalumni.com/2017/08/04/revitalizing-tiger-recovery-efforts/>
- Sunarto 2017.** How do you save Sumatra's biggest animals. BBC Earth. <http://www.bbc.co.uk/programmes/articles/5QW4dF7grgN50JMHry0wF8S/ho-w-do-you-save-sumatras-biggest-animal>
- Chanchani, P., Abishek Harihar, Thomas N.E. Gray, Robert Steinmetz, Jimmy Borah,

- Gopala, A., Hadian, O., **Sunarto**, Sitompul, A., Williams, A., Leimgruber, P., Chambliss, S.E. & Gunaryadi, D. 2011. *Elephas maximus* ssp. *sumatranus*. In: IUCN 2011. IUCN Red List of Threatened Species. Version 2011.2. www.iucnredlist.org
- Eric Wikramanayake, Eric Dinerstein, John Seidensticker, Susan Lumpkin, Bivash Pandav, Mahendra Shrestha, Hemanta Mishra, Jonathan Ballou, A.J.T. Johnsingh, Igor Chestin, **Sunarto Sunarto**, Phuntsho Thinley, Kanchan Thapa, Guangshun Jiang, Sivananthan Elagupillay, Hemanta Kafley, Narendra Man Babu Pradhan, Karma Jigme, Seng Teak, Peter Cutter, Md. Abdul Aziz, Utin Than. 2011. A landscape-based conservation strategy to double the wild tiger population. *Conservation Letters* [online early view]:1-9
- Uryu, Y., Purastuti, E., Laumonier, Y., **Sunarto**, Setiabudi, Budiman, A., et al. (2010). *Sumatra's Forests, Their Wildlife and the Climate: A quantitative assessment of some of Sumatra's natural resources* submitted as technical report by invitation to the National Forestry Council (DKN) of Indonesia. Jakarta: WWF Indonesia.
- Andreas Wilting, Anna Cord, Andrew Hearn, Deike Hesse, Azlan Mohamed, Carl Traeholdt, Susan M. Cheyne, **Sunarto Sunarto**, Mohd-Azlan Jayasilan, Joanna Ross, Aurelie Shapiro, Anthony Sebastian, Stefan Dech, Christine Breitenmoser, Jim Sanderson, Will Duckworth, Heribert Hofer. 2009. *Modeling the distribution of flat-headed cats (Prionailurus planiceps), an endangered South-East Asian small felid*. PLoS One 5(3): 1-18.
- Povey, K., J.G.Howard, **Sunarto**, Priatna, D., Ngoprasert, D., Reed, D., A. Wilting, A. Lynam, I. Haidai, B. Long, A. Johnson, S. Cheyne, C. Breitenmoser, K. Holzer, O. Byers 2009. Clouded Leopard and Small Felid Conservation Summit Final Report. Apple Valley, MN IUCN/SSC Conservation Breeding Specialist Group.
- Indrawan, M., P. C. Rasmussen, and **Sunarto**. 2008. A new White-eye (Zosterops) from the Togian Islands, Sulawesi, Indonesia. *Wilson Journal of Ornithology* 120:1-9.
- Sunarto** 2007. Perangkap kamera: Alat multiguna dalam konservasi satwa (Camera trap: a multipurpose tool in wildlife conservation). In Indrawan, M., R. B. Primack, and J. Supriatna. *Biologi Konservasi*. Yayasan Obor.
- Sunarto**, T. G. O'Brien, A. Basukriadi, J. Supriatna & M.F. Kinnaird. 1999. Resource Partitioning among kingfishers in Tangkoko Duasudara Nature Reserve. *Tropical Biodiversity* Vol 6 No. 1.

Published popular articles in various outlets including The Jakarta Post, Tempo News Magazine, Kompas Newspaper, Sinar Harapan Newspaper, Suara Pembaruan Newspaper, National Geographic Magazine, National Geographic online, Mongabay, and others

Works featured or cited in various media including Elephant Movie as part of a series "1000 Days for the Planet" by Radio Canada and aired in NatGeoWild Channel, article by The Hindu, etc.

Skills

- Computer, familiar either PC or Mac with Ms Office programs, statistical packages (SPSS, SAS, R), GIS application software (ArcView/ArcGIS), wildlife population software (Program DISTANCE, CAPTURE, MARK, RAMAS, VORTEX, PRESENCE, DENSITY), image editing (Adobe PhotoShop), learning & collaboration environment (e.g., Scholar/Sakai, Blackboard, Wikis), Initiated and part of team in developing Android Apps for Wildlife Monitoring and Protection.
 - Fieldwork-related skills: Riding Motorbike & Driving 4-wheel drive Vehicle (Licensed for Indonesia and International, in the USA certified with NSC Defensive Driving II), operating boat/canoe, Certified Diver (PADI), Censusing Birds & Mammals, Care and Use of Animals in Research and Education (IACUC certified), Expedition Management & Rainforest Navigation, Camera Trapping & Photography.
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