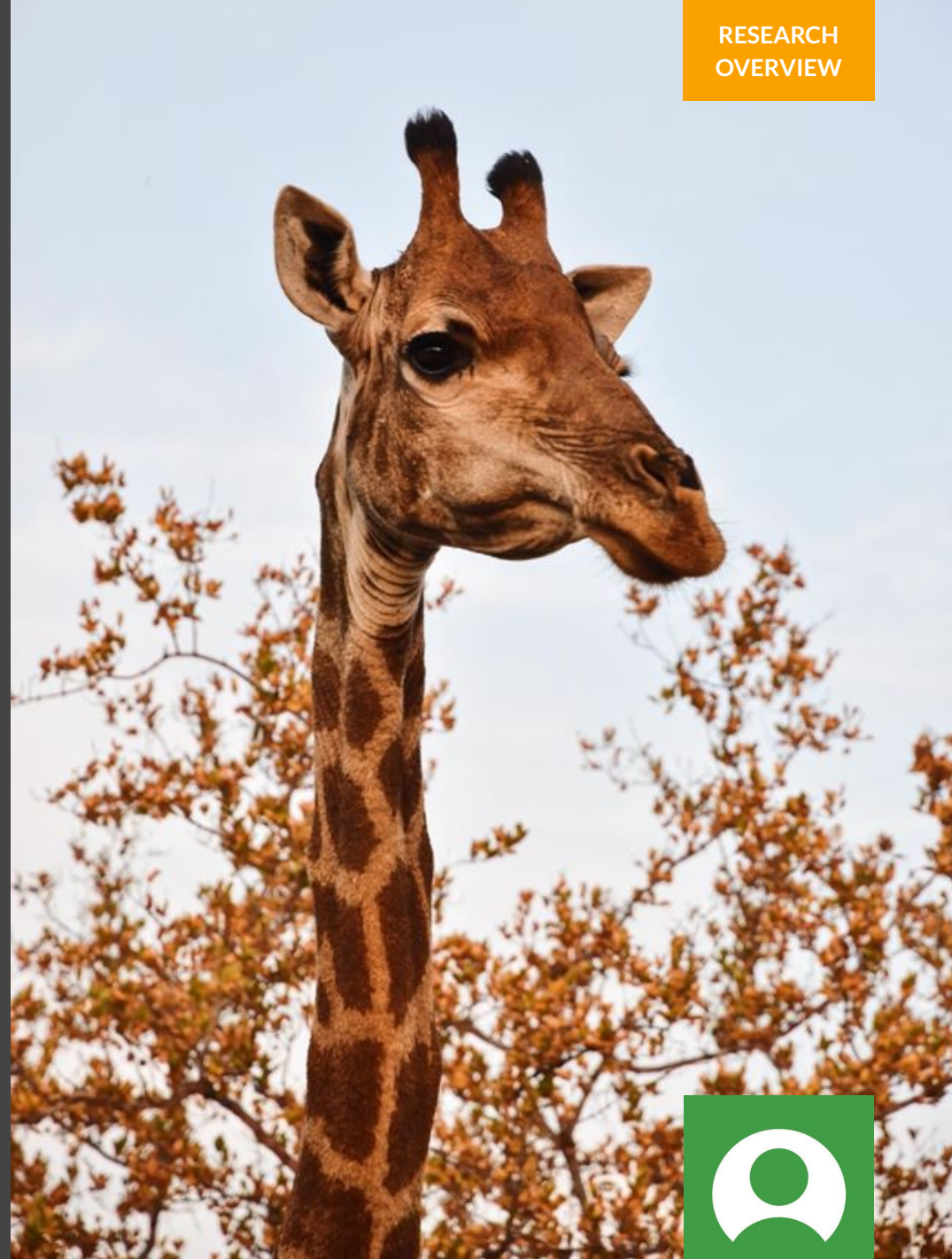


KARONGWE

WILDLIFE CONSERVATION



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KARONGWE WILDLIFE CONSERVATION

Join one of our flagship research projects to develop hands-on practical fieldwork experience or complete an independent research project as part of your undergraduate or postgraduate dissertation.

At our Karongwe base, you'll be able to view and research the Big 5, cheetahs, and wild dogs. In addition, we have identified almost 300 bird species, 40 mammals, and various reptile and insect species.



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RESEARCH OBJECTIVES

HUB OBJECTIVES INCLUDE

- Monitor the movement, kills, deaths, births, population dynamics and interactions (inter and intra) of focus species to inform reserve management decisions.
- Conduct invertebrate biodiversity studies to record data on species abundance and diversity on behalf of iNaturalist, Virtual Museum and Karongwe reserve.
- Vulture studies to collect data on abundance and diversity (for Karongwe reserve and Vulpro, Endangered Wildlife Trust).
- Monitor buffalo population dynamics for the Karongwe land owners.



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RESEARCH OBJECTIVES

- Collect data on rhino population dynamics and monitor rhino horn growth for their effective management.
- Understand predator density, spatial utilisation and kill preferences with a specific focus on cheetah kill utilisation for EWT.
- Analyse the impact of environmental education programs on changes in attitudes from learners at Diputhi Primary School.



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FLAGSHIP RESEARCH PROJECTS

RHINO POPULATION AND DYNAMICS FOR EFFECTIVE MANAGEMENT

Site: Karongwe Private Game Reserve

Research focus: Population dynamics and growth rates

Methodology: Surveys (spatial distribution and dynamics)

Partner: Private Game Reserve



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INDEPENDENT RESEARCH PROJECTS

HUB TOPICS INCLUDE

- Cheetah (only inter-species and kill utilisation studies possible)
- Lion (only inter-species and kill preference studies possible)
- Leopard (only historic data available, mainly movement data)
- Buffalo
- Rhino
- Elephant
- Megaherbivores
- Bird of prey
- Vultures
- Land rehabilitation
- Environmental awareness



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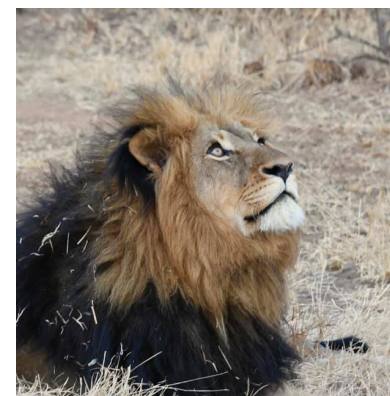
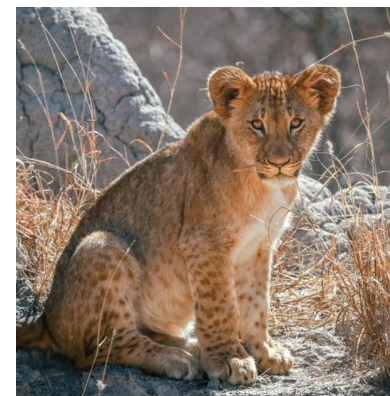


INDEPENDENT RESEARCH PROJECTS

Suggested new research projects: Land rehabilitation research and the impact of off-roading on land rehabilitation.

Recommended research projects based on existing datasets: Elephant population dynamics, spatial utilisation of megaherbivores, megaherbivore impact on waterholes, birds of prey (specifically Wahlbergs' eagles).

Note: Karongwe is a closed reserve and does not have a viable population of big cats, elephants, hyenas so only comparative (inter-species) studies are possible.



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EXISTING DATASETS

AVAILABLE DATASETS INCLUDE

- Focus species data: big 5, cheetah, hyena, rare game, wild dogs for some years (15 years)
 - Location (date & time)
 - Events/behaviour
 - Population dynamics (age, sex, relationship for some)
 - Kill data (lion, leopard, cheetah, hyena, wild dog)
- Bird of Prey (3 years).
- Vegetation maps / water source maps.
- Weather (data on temperature and rainfall) (15 years).
- Elephant impact on trees data (2-3 years of data).
- Cheetah kill utilisation data (1-2 years of data).



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TARGET SPECIES

MAMMALS

- Buffalo
- Bushbuck
- Bushpig
- Caracal
- Chacma baboon
- Cheetah
- Civet
- Duiker, common
- Elephant
- Galago, lesser
- Galago, greater
- Genet, small-spotted
- Giraffe, southern
- Grys bok, sharps
- Hippopotamus
- Honey badger
- Hyena, brown
- Hyena, spotted
- Impala
- Jackal, black-backed
- Jackal, side-striped
- Kudu, greater
- Leopard
- Lion
- Mongoose, banded
- Mongoose, dwarf
- Mongoose, slender
- Mongoose, white-tailed
- Mongoose, yellow



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TARGET SPECIES

- Monkey, vervet
- Nyala
- Sand snake, stripe bellied
- Snake, common wolf
- Snake, eastern bark
- Snake, eastern tiger
- Snake, marbled tree
- Snake, olive grass
- Snake, Schegel's beaked blind
- Snake, spotted bush
- Snake, vine
- Egg-eater, rhombic



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TARGET SPECIES

LIZARDS

- Giant plated lizard
- Monitor, rock
- Monitor, water

INVERTEBRATES

- Scorpions
 - Rough burrower
 - Scorpion, stripped bark
 - Scorpion, Transvaal thicktail
- Porcupine
- Rhino, white
- Serval
- Steenbok
- Wild dog
- Wildebeeste, blue
- Zebra, plains

BIRDS

- Apalis
- Babbler
- Barbet
- Bee-eater
- Batis
- Bittern
- Brubru
- Bulbul
- Bustard
- Buzzard
- Canary



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TARGET SPECIES

REPTILES

- Snakes
 - Adder, puff
 - Boomslang
 - Centipede-eater, reticulated
 - Cobra, Mozambique spitting
 - Cobra, snouted
 - Mamba, black

- Python, Southern African rock
- Scorpion, yellow-green lesser-thicktail
- Tree creeper

SPIDERS

- Baboon-spider, horned
- Orb spider, garden
- Orb spider, golden
- Spider, kite
- Spider, rain
- Spider, social
- Spider, wall
- Spider, daddy long-legs
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