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ANNUAL IMPACT REPORT

FY26

Ingwe Research Program

LEOPARD RESEARCH & CONSERVATION · HOEDSPRUIT · LIMPOPO

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A WORD FROM OUR CHAIRMAN

Reflections on a Year of Growth

As we close the 2025/26 financial year, I want to reflect on the progress, challenges, and collective effort that have defined this period for the Ingwe Research Program.

This year has marked an important phase of growth. Our research footprint has expanded meaningfully — camera-trap programmes are generating high-quality data already improving our understanding of leopard presence, movement, and landscape use across the Greater Kruger.

None of our progress would have been possible without our partners. Our sincere thanks to Africa Geographic, On Track Safaris, and AirNav Systems for their continued belief in our mission.

A special thank you to Simon Hartley for guiding our organisational structure, to Jarryd Evans for strengthening our financial systems, and to Dr Tara Pirie and Elwenn Le Magoarou for establishing the rigorous ethical standards and research protocols that underpin the credibility of everything we do.

My deepest thanks to Marine Servonnat — our Executive Director. Her leadership, commitment, and tireless work throughout the year have been instrumental in driving Ingwe's growth. Everything achieved in 2025/26 is a direct reflection of her dedication to this mission.

Tom Lautenbach

CHAIRMAN · INGWE RESEARCH PROGRAM

Tom Lautenbach · Chairman

Our Year at a Glance

Numbers marked * represent cumulative data since January 2023

153 LEOPARDS IDENTIFIED THIS YEAR	200+ UNIQUE LEOPARDS SINCE 2023 *	57km FURTHEST LEOPARD DISPERSAL RECORDED	
31 RESERVES ENROLLED	45+ PARTNERS & LODGES	56 LOCATIONS MONITORED	400+ CITIZEN SCIENTISTS
5,705 LEOPARD IMAGES THIS YEAR	4,836 UNIQUE SIGHTINGS THIS YEAR	17,224 TOTAL LEOPARD IMAGES *	12,840 TOTAL SIGHTINGS 2022-26 *
7,896km ROADKILL PATROL DISTANCE	198 ROADKILL IN 84 SURVEY DAYS	56 SPECIES ON CAMERA	5 ACTIVE RESEARCH PROJECTS



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24 Years in the Making

2002

Ingwe Leopard Research founded by the Mpumalanga Tourism & Parks Agency. Anton van Loggerenberg joins as field research assistant in 2004.

2007

Ingwe becomes part of On Track Safaris Ltd, managed by Will & Carol Fox – with Anton van Loggerenberg continuing as field researcher. The On Track Foundation funds research spanning South Africa, Kenya, Malawi, and Tanzania.

2012–2016

Dr Tara Pirie becomes Head of Research within Ingwe Leopard Research, based at Thaba Tholo Wilderness Reserve, Limpopo, completing her PhD in leopard conservation.

November 2022

Marine Servonnat joins as Project Manager of Ingwe Leopard Research. Data collection begins – the foundation of what becomes the most comprehensive leopard database in the Greater Hoedspruit.

July 2024

Ingwe registers as a South African NPC and becomes **Ingwe Research Program**, with Marine Servonnat as Executive Director and a new Board of Directors.

2025/26

Five active research projects. 31 reserves enrolled. 45+ partners and lodges. 153 leopards identified this year.

"The On Track Foundation has funded leopard research across four countries over nearly two decades – generating data that shaped wildlife legislation and contributed to restrictions on leopard hunting in South Africa. Along the way, we had some extraordinary moments: NASA once genuinely explored collaborating with us to spot leopards from space. To see what Ingwe has become today – the science, the team, the reach – fills us with enormous pride. This is exactly the legacy we hoped to help build."

WILL FOX · FOUNDER, ON TRACK FOUNDATION (CLOSED) & ON TRACK SAFARIS LTD



Will Fox



Carol Fox



Three generations of Ingwe – Anton van Loggerenberg, Dr Tara Pirie & Marine Servonnat

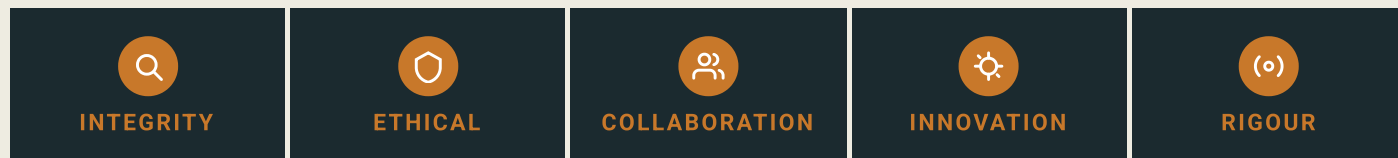
ANTON VAN LOGGERENBERG · FIELD RESEARCHER & CARNIVORE TRAPPER

"My journey with Ingwe began in 2004, tracking a collared female through the Lydenburg mountains on my very first day. Eight years on foot, learning what no office could ever teach. Though my career took me to the skies as a conservation pilot and to Indonesia to collar the first Javan leopards, the roots of my work always remained in South Africa. To see how Ingwe has grown from those rugged early tracks into the scientific force it is today is one of the great privileges of my life."

Our Mission

To effectively conserve leopards in South Africa by empowering stakeholders through practical scientific recommendations – enabled by formal research, citizen science, novel technologies, and proactive collaboration.

OUR CORE VALUES



OUR FIVE OBJECTIVES

- BUILD THE DEFINITIVE BASELINE**
Generate a robust, long-term population database for leopards in the Greater Hoedspruit area – enabling reliable estimates of population size, distribution, and movement across reserve boundaries and peri-urban landscapes.
- TRANSLATE SCIENCE INTO ACTION**
Deliver evidence-based recommendations, reports, and tools directly to reserve managers, estate developers, road authorities, and policymakers – giving stakeholders the data and tools they need to implement real solutions.
- PIONEER ETHICAL RESEARCH**
Develop and validate monitoring methodologies – citizen science, AI identification, conservation detection dogs, and emerging technologies – that deliver high-quality data whilst minimising impact on individual animals and their habitats.
- REDUCE LEOPARD POPULATION LOSS ON SHARED LANDSCAPES**
Identify and mitigate the causes of human-induced leopard mortality across the landscape – from road collisions to human-wildlife conflict – with measurable targets for reducing population loss through infrastructure intervention, behaviour change, and evidence-based management.
- BUILD A SUSTAINABLE, PROFESSIONAL ORGANISATION**
Develop the team, governance, funding diversity, and operational infrastructure needed to deliver impactful science at scale – proving that professional conservation investment produces exponentially greater returns.

© Simon Hartley



RESEARCH PROJECT 01

Population Estimate & Distribution

Since January 2023, this project has united reserves, lodges, residents, field guides, and technology partners to build a growing regional picture of leopard presence and movement across the Greater Kruger. Every image is processed through **ArgusWild.AI** — enabling individual identification through coat patterns and mapping of home ranges, family relationships, and cross-boundary movement.

What began as a local initiative has grown into a powerful model of community-powered conservation — laying the foundation for a robust leopard population baseline, and demonstrating that citizen science and AI can support conservation at scale.

153 Leopards identified (64 males · 69 females · 20 cubs)

45% Of sightings resulted in individual ID

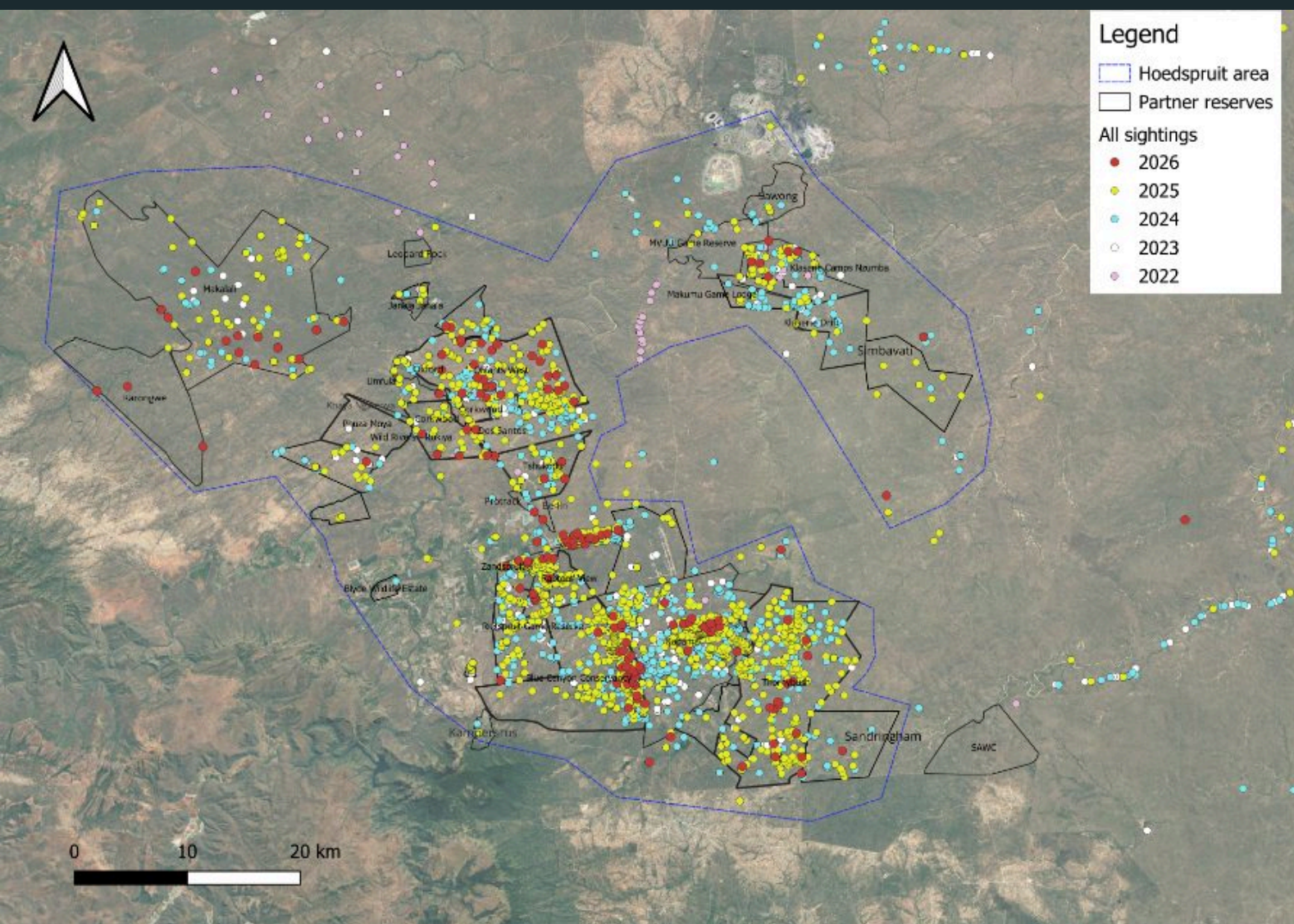
4,836 Unique sightings recorded this year

5,705 Leopard images received and processed

72 Individuals under temporary ID — awaiting confirmation

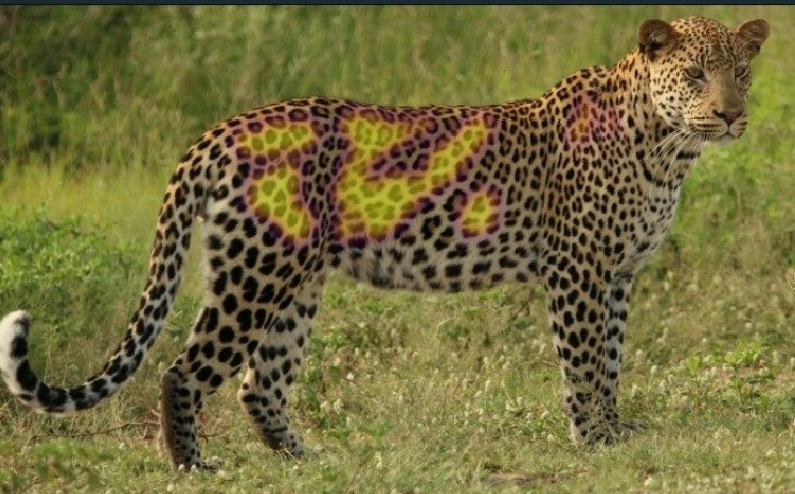


ArgusWild.AI coat-pattern identification — each leopard mapped by unique rosette signature





© Donovan Hulett



LEOPARD SPOTLIGHT

Lion Pan Male: A 57km Journey

WHY OUR NETWORK OF RESERVES MATTERS

In January 2023, a young male leopard — approximately three years old — appeared for the first time in Ingwe's database. He was named the Lion Pan Male, after the territory around Kapama where he was first recorded.

Over sixteen months, Ingwe recorded 24 separate sightings. Then, in April 2024, he simply disappeared from our records.

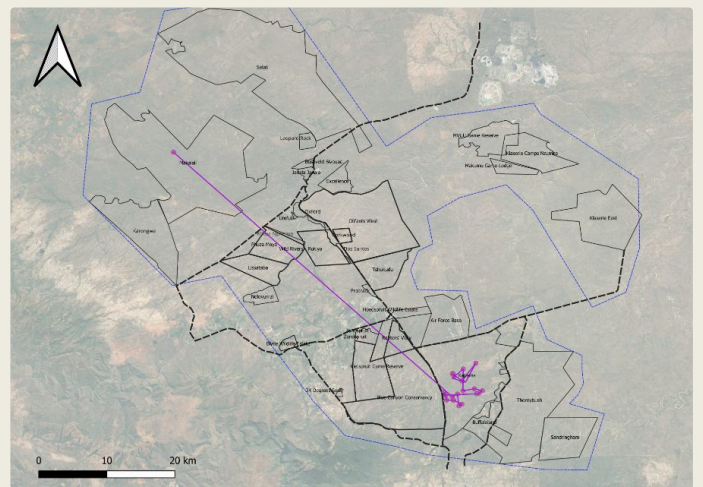
In July 2025, Siyafunda Wildlife & Conservation — a research and reserve management organisation operating in Makalali Game Reserve — shared their monthly camera trap data with Ingwe. Among their submissions was an image of a leopard recorded 57km from the Lion Pan Male's last known sighting in Kapama.

Our database on ArgusWild.AI compared thousands of photographs in seconds and found a match: the unique rosette patterns of the leopard in Makalali aligned precisely with those of the Lion Pan Male. It was him — alive, 57km away, navigating an unfamiliar landscape.

This identification was only possible because multiple reserves share their data, and because AI can cross-reference thousands of individual records instantaneously.

*"This is exactly why we built Ingwe. Not for the data.
For the leopard."*

MARINE SERVONNAT · EXECUTIVE DIRECTOR



MANY MORE STORIES LIKE THIS

The Lion Pan Male is one of many leopards whose stories are told through Ingwe's data. Across our network of reserves, every camera trap submission, every shared sighting, and every identified individual adds another chapter — revealing how leopards live, move, and survive across a shared landscape. Every reserve that joins makes that picture richer for all.

Living with Leopards

Human-Leopard Coexistence in Wildlife Estates

Eleanor Salisbury · MRes, Endangered Species Recovery and Conservation · Nottingham Trent University
Supervised by: Charlotte James (NTU) · Dr Andrea Marais-Potgieter (University of the Witwatersrand) · Paul Allin (Transfrontier Africa) · Marine Servonnat (Ingwe Research Program)

Eleanor Salisbury's MRes research explored how residents of wildlife estates in the Greater Kruger area perceive leopards – and what that means for long-term coexistence. Between March and May 2025, 167 residents across three estates completed a 73-item questionnaire.

66% of residents perceived peaceful coexistence with leopards. Where concerns existed, they centred on previous conflict experiences, safety for children and pets, or low bush awareness. Critically, most respondents opposed removal or destruction of leopards.

This work delivers a practical roadmap: orientation sessions for new residents, safe encounter education, mandatory bush safety briefings, and better pet management. Coexistence is not only possible – it can be actively strengthened.



"Interning with Ingwe for my Master's research has been an amazing experience. I was proud to receive a distinction for my MRes report and I can't wait to see what else comes from the great work that Ingwe does."

ELEANOR SALISBURY · MRES RESEARCHER,
NOTTINGHAM TRENT UNIVERSITY

PROJECT IMPACT 2025/26

167

Residents surveyed across 3 wildlife estates

66%

Perceived peaceful coexistence with leopards

1st

Systematic study of its kind in Greater Hoedspruit – publication in preparation



Exploring Human-Leopard Coexistence in Wildlife Estates in the Greater Kruger Area

TRANSFRONTIER

Introduction

- Leopard (*Panthera pardus*) presence on wildlife estates have raised safety concerns for humans and pets



Fig 1. Camera trap footage of a leopard going under a fence of a wildlife estate in the Greater Kruger area.

- Conservation psychology studies help explore how individuals perceive and respond to human-wildlife interactions
- This study fills a knowledge gap for wildlife estates and allows resident perceptions to help influence wildlife estate guidelines and policy change

Research Aim: To understand residents' attitudes, perceptions and behaviours towards the human-leopard nexus within their wildlife estate and potential coexistence measures

Method

Procedure

- Online questionnaire – 73 questions
- Sent to three wildlife estates in the Greater Kruger area

Questionnaire included:

- Demographics
- Emotions
- Wildlife Tolerance Model – Perceived Costs (Risks) and Benefits
- Levels of Conflict
- Ranking Risk Perception
- New Ecological Paradigm Scale
- Wildlife Value Orientations

Out of 157 total responses, 61 responses submitted

Results

Defining Conflict and Coexistence

- Conflict defined as leopards attacking and stalking humans and pets
- Coexistence defined as appreciating leopards, leopard habitat connectivity and taking proactive steps to avoid conflict, but no leopard complaints and no leopard attacks

Perceived Level of Conflict

- 59% of residents perceive coexistence (Fig 2)
- Pet-leopard conflict (PLC) perceived as happening more than reality (Fig 5)
- High % of leopard sightings but low % of human-leopard conflict (HLC) (Fig 4 and 5)
- Coexistence behaviours observed more than conflict behaviours, but conflict behaviours witnessed and could be addressed (Fig 6)
- Concerns surround children, pets and inappropriate behaviour (Table 1)

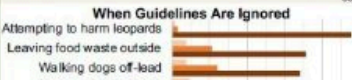
Drivers Influencing Perception

- Majority feel positive emotions to leopards
- Free-text mentions "moving to wildlife estate incurs risks people must take precautions for"
- Across all estates, definition of pet conflict influences conflict perception and connection to nature is associated with coexistence

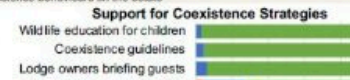
Perceptions on Coexistence Strategies

- Majority willing to follow guidelines and support a report and fining system (Fig 7)
- Majority disagree with removing leopards from the estate if a conflict occurs (Fig 3)
- Education and awareness are preferred coexistence strategies (Fig 8)
- Concerns about impact of sharing sightings

When Guidelines Are Ignored



Support for Coexistence Strategies



Leopard Sightings in the Estate

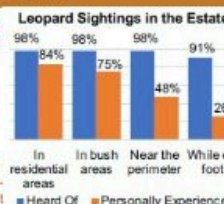


Fig 2. Perceived level of human-leopard conflict on the estate

Fig 4. Those who have heard of or personally experienced leopard sightings in the estate

HLC and PLC in the Estate



Fig 3. Remove or destroy leopards on the estate if a conflict occurs

Fig 5. Those who have heard of or personally experienced HLC and PLC in the estate

Behaviours Witnessed on the Estate

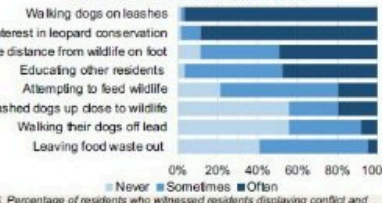


Fig 6. Percentage of residents who witnessed residents displaying conflict and coexistence behaviours on the estate

Table 1. Thematic analysis of residents explaining their selection for perceived level of conflict on the estate

Conflict	No Conflict	Coexistence
Seeking out encounters	No conflict for those educated	Residents respect leopards
Children and pet safety	Pet concerns up to owner	Pet attack risk part of estate
More sightings increase fear	No human attacks	Encounters are rare and positive
Sympathetic but aware of risks	Choose to live with leopards	Residents in leopard territory

Practical Applications

- Connection to nature and ecological role associated with coexistence suggests potential orientation sessions for newcomers with low bush awareness or appreciation
- Education is needed for encounter behaviours, bush education for children, commercial lodges briefing guests and requiring them to sign guidelines/indemnity forms (HWE has an indemnity form with guidelines)
- Support a report and fining system for ignored guidelines and holding commercial lodges responsible for inappropriate guest behaviour
- Majority disagrees with removing leopards from the estate, however, community opinions are desired in the decision if human harm occurs
- Leopard sightings management should be further investigated

Acknowledgments

Research by: Eleanor Salisbury
Supervised by: Andrea Marais-Potgieter, Charlotte James, Marine Servonnat

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Road Ecology: Roadkill Assessment

Selina Betts · School of Animal, Rural and Environmental Sciences · Nottingham Trent University
Supervised by: Dawn Scott (NTU) · Marine Servonnat (Ingwe Research Program)



Selina Betts

To establish a rigorous baseline of wildlife mortality along the R40, Ingwe conducts standardised roadkill patrols three times per season – dry and wet – across a 47km stretch. Surveys begin 90 minutes after sunrise, proceed at a constant 45km/h, and record 10 variables per incident, including habitat type, distance to the nearest barrier, and road curvature.

The preliminary results are stark. In 84 survey days, 198 mortalities were recorded across 38 species – a figure that extrapolates to roughly 860 animals per year on this single road. Among those lost: Civet (19), Porcupine (15), Scrub Hare (17), Black-backed Jackal (6), Spotted Hyena (5), Vervet Monkey (10). The most common bird casualty is the Hornbill; the most common reptile, the Rock Monitor.

Working with SANRAL, Ingwe has already installed four 'Predators Crossing' signs at the highest-mortality leopard hotspots – the first road mitigation measure on this stretch.

"Starting your morning with a coffee is the best. Starting it with a coffee and the sight of blood and guts on the road is very tough. Yet every morning, I found the motivation to keep going – because I knew how vital this work was."

MARINE SERVONNAT · EXECUTIVE DIRECTOR



Selati LM0025 – killed on the R40, October 2025 · Photo: Dolph Sk (via social media)



ArgusWild.AI matched Selati LM0025 from the roadkill scene to our database

The methodology and fieldwork design were developed with the expert support of Dr. Wendy Collinson, Dr. Thabo Hlatshwayo and Dr Clara Grilo.

PROJECT IMPACT 2025/26

- 7,896km Patrolled along the R40
- 198 Roadkill recorded in 84 survey days
- ~860 Estimated annual animal losses on this road
- 38 Species identified among casualties
- 4 "Predators Crossing" signs installed with SANRAL



A fraction of the 198 mortalities recorded – 38 species identified



Marine Servonnat during roadkill patrol

Installing signs with SANRAL on the R40



Road Ecology: Wildlife Use of Culverts

Tanis Short · MSc Conservation Biology · University of Alberta
Supervised by: Andreas Hamann (University of Alberta) · Christoffel de Lange (Transfrontier Africa) · Marine Servonnat (Ingwe Research Program)



Tanis Short

Can existing road culverts serve as cost-effective wildlife underpasses? To find out, Ingwe deployed with Transfrontier Africa motion-activated camera traps (Bushnell Core S-4K No-Glow) at 56 of the 119 culverts along a 47km stretch of the R40. Cameras were placed at culvert entrances to provide 24/7 coverage, with each section monitored for 45-day periods across both the dry and wet seasons. For each culvert, 13 physical attributes were recorded – including size, openness index, elevation, and entrance shape – to understand what drives animal choice.

The camera traps yielded remarkable footage of the local leopard population. Bokamoso, a resident female, was captured teaching her cub to use a culvert – a vital behaviour for the next generation's survival. Through individual coat pattern identification, several other leopards were also recorded: females Black Dot, Rhulani, and the Lion Pan female; males Corkwood, Nigel, Medupi, Mafu, and Kusile. The leopard is currently the only large predator recorded using these culverts, highlighting their unique adaptability.

One individual stood out – an unknown leopard that consistently avoided the culverts, preferring instead to climb the embankment and cross the R40 surface directly. After receiving the first data from the wet season survey, Ingwe was able to match this individual with Corkwood male – a leopard we know uses culverts elsewhere in the study area. Something at that specific location is influencing his decision to cross above the road rather than through it. Understanding what that is may be as important as the crossings themselves.

A wide variety of species were documented using the underpasses. **Primary users** include Porcupine, Genet, Slender Mongoose, Banded Mongoose, Honey Badger, Civet, Leopard, and Warthog. **Occasional users** include Dwarf Mongoose, African Wild Cat, Water Monitor, Squirrel, and Mouse. Only one Hyena crossing was recorded across the entire dry season survey.

"From countless hours setting up camera traps, to seeing the first leopard using a culvert and presenting at my first conference – it has been an unbelievable experience."

TANIS SHORT · MSC RESEARCHER, UNIVERSITY OF ALBERTA

SAVANNA SCIENCE NETWORK MEETING · KRUGER NATIONAL PARK · MARCH 2026

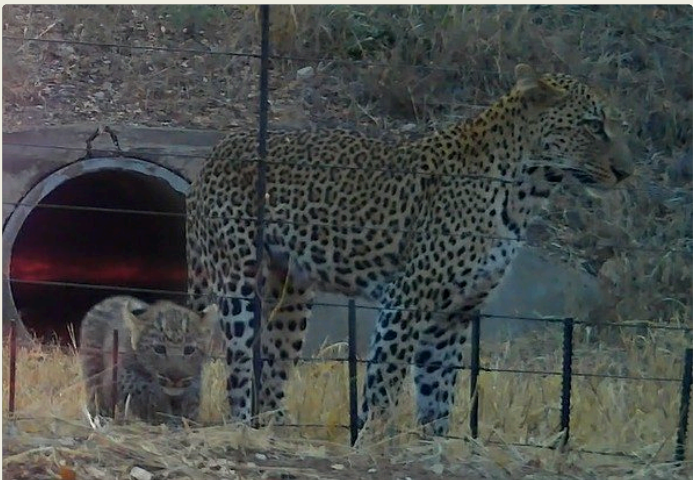
The methodology and fieldwork design for our road ecology project were developed with the expert support of Dr. Wendy Collinson, Dr. Thabo Hlatshwayo and Dr Clara Grilo. Their guidance was instrumental in establishing the project's scientific foundation and conceptual framework.

PROJECT IMPACT 2025/26

- 960 Wildlife crossings (dry season)
- 17 Species documented using culverts
- 9 Culverts accounting for >50% of all crossings
- 9.7× Average weekly leopard crossings
- 55% Leopard culvert success rate (141 captures)
- 399GB Camera trap data collected



Bushnell CORE_CAM_33 68F 20C 06-11-2025 17:18:20
The Black Dot Female – camera trap, culvert survey



Bokamoso teaching her cub to use a culvert





"As a wildlife ecologist working across Southern Africa, I am driven by a single, persistent challenge: how do we protect animals we rarely see? By working alongside highly trained dogs, we are able to locate signs of cryptic species that remain invisible to the human eye. The nose knows. At its core, my work is about developing reliable, non-invasive methods to truly understand where these species persist. Only then can we make the informed, evidence-based decisions necessary to protect them."

ALI · CONSERVATION DOG HANDLER & WILDLIFE ECOLOGIST · © AFRICA GEOGRAPHIC

RESEARCH PROJECT 03C · ACTIVE PILOT

K9 Monitoring: Leopard Crossing Hotspots

Alienor Brassine & Soldiers for Wildlife · Ali & Scout · Shadow & John

Sponsored by On Track Safaris — whose long-term partnership made this pilot possible.

How do we find exactly where leopards cross the R40 — without GPS collars? By training conservation dogs to follow their noses. This pilot was born from one of Ingwe's core commitments: when a less invasive option exists, we pursue it first.

Scout, handled by Ali, is trained to detect and follow fresh leopard spoor, scat, hair, and urine. Shadow, handled by John from Soldiers for Wildlife, is a vital partner in the pilot. When a dog indicates a scent line, GPS coordinates are recorded and camera traps deployed to visually confirm crossings.

In blind-search testing — where Ali did not know where samples were hidden — Scout and Shadow successfully located scats and odour without handler knowledge. The methodology works.

CURRENT STATUS

- ✓ Phase 1 complete: Canine training using Getxent tubes (Moholoholo-sourced scent)
- ✓ Blind-search validated: scats and odour located without handler knowledge
- Now working with Karongwe Private Game Reserve — the team is taking the dogs to areas where leopards have just been, taking the training to the next level

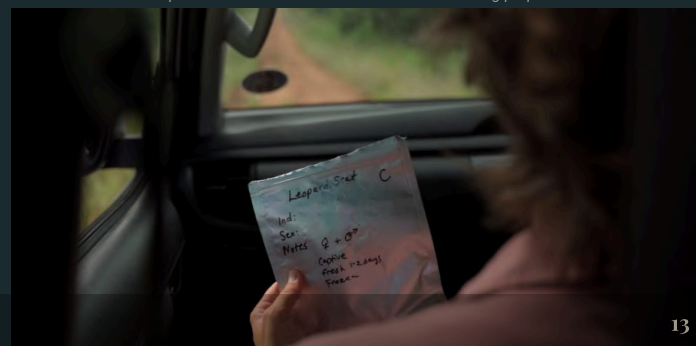
WHY NO GPS COLLARS?

After initially planning to collar leopards, Ingwe chose to explore less invasive alternatives first. That ethical decision led directly to this pilot — and to the TerraSense partnership. Ethical constraint driving innovation.



Leopard scent in Getxent tubes

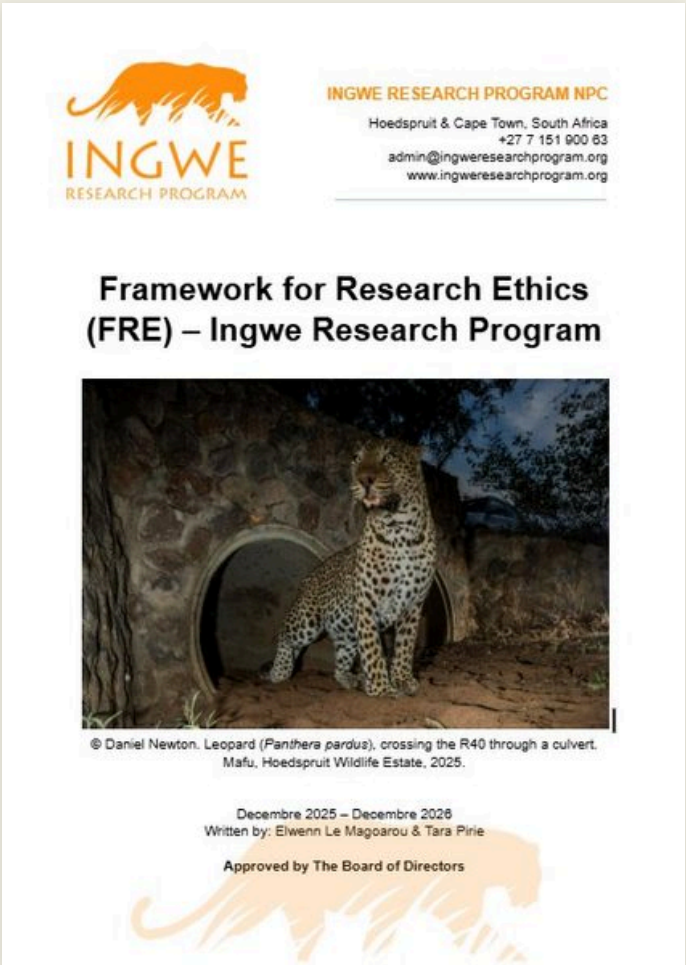
Leopard scent in Getxent tubes and scat for training purposes



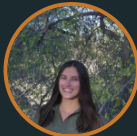
The Foundation of Our Impact

At Ingwe, strong governance is not a compliance obligation — it is a founding commitment. Ethical integrity and rigorous research standards sit at the heart of everything we do.

In 2025/26, Ingwe formalised its **Framework for Research Ethics (FRE)** — setting clear standards for project design, approval, risk management, stakeholder engagement, and responsible data use. Written by Elwenn Le Magoarou and Dr Tara Pirie, approved by the Board of Directors in December 2025.



-  **WILDLIFE ETHICS**
After initially planning to use GPS collars, Ingwe chose to explore less invasive alternatives first — leading directly to the K9 pilot and the TerraSense partnership.
-  **DATA PROTECTION**
All data handled, stored, and shared under clear protocols. Participant consent and confidentiality are non-negotiable.
-  **AI & TECHNOLOGY**
The FRE includes a dedicated section on responsible use of AI — addressing accuracy, attribution, and transparency in AI-assisted work, like this report.



Elwenn Le Magoarou
DIRECTOR, HEAD OF ETHICS



Dr Tara Pirie
DIRECTOR, HEAD OF RESEARCH

The Framework for Research Ethics was approved by the Board of Directors in December 2025 and covers the period December 2025 – December 2026.

FRE FRAMEWORK COVERS

- Overarching Ethical Principles
- Consent & Participant Engagement
- Data Management & Intellectual Property
- Research Involving Wildlife
- Safety, Welfare & Fieldwork Requirements
- Use of Artificial Intelligence
- Compliance, Monitoring & Reporting



© Sharron Hoffmann

Overcoming the NPO Double Standard

To protect the leopard – a species that has faced a 30% global decline – we must address a fundamental truth: professional conservation requires professional infrastructure.

- 1

PROFESSIONAL TALENT & GOVERNANCE

Our Executive Director currently drives 95% of daily operations. To reach the next level, we must transition from a lean operation to a robust team of specialists by end of 2026. Offering competitive compensation ensures expertise stays in conservation, not the corporate sector.
- 2

GROWTH AS A STRATEGIC NECESSITY

100% of current funding goes to vital operations. To achieve long-term sustainability, growth must be treated as a necessity, not a luxury. Investing in communications and storytelling is how we attract the unrestricted, multi-year funding required for expansion – and how we prove that overhead is not waste, but the engine of impact.
- 3

INNOVATION & THE COURAGE TO FAIL

Conservation is a traditionally conservative field. At Ingwe, we believe out-of-the-box ideas are how we reverse population declines. There must be room to test new methods and occasionally to fail. *"I have not failed. I've just found 10,000 ways that won't work."*
- 4

THE SCIENCE-ACTION BALANCE

True science cannot be rushed. Our Road Ecology project requires data collection through 2027 before we can responsibly implement mitigation measures. Conservation is a marathon – and running it as a team of one creates bottlenecks that only a properly funded organisation can resolve.

REDEFINING RETURN ON INVESTMENT

PBO Status: All donations are tax-deductible under PBO No. 930087476

Brand Visibility: Premium exposure and evidence-based ESG reports for corporate partners

Value Multiplication: Every trained citizen scientist, guide, and student carries expertise forward

Living Legacy: Build your legacy whilst witnessing its impact in the field



Sponsored uniforms – Leopard's Bend Bush Lodge



AirNav Systems partnership – Marine Servonnat & Andre Brandao



Sponsored research vehicle – Trophy Travel Rentals

A New Era: The Ingwe App

In the early phases of our project, data collection was fragmented — third-party apps, spreadsheets from ambassadors, thousands of private messages. This built our foundation. But the future required something better: a **unified, custom-built mobile app** that standardises data capture, scales participation, and closes the loop between researcher and contributor.

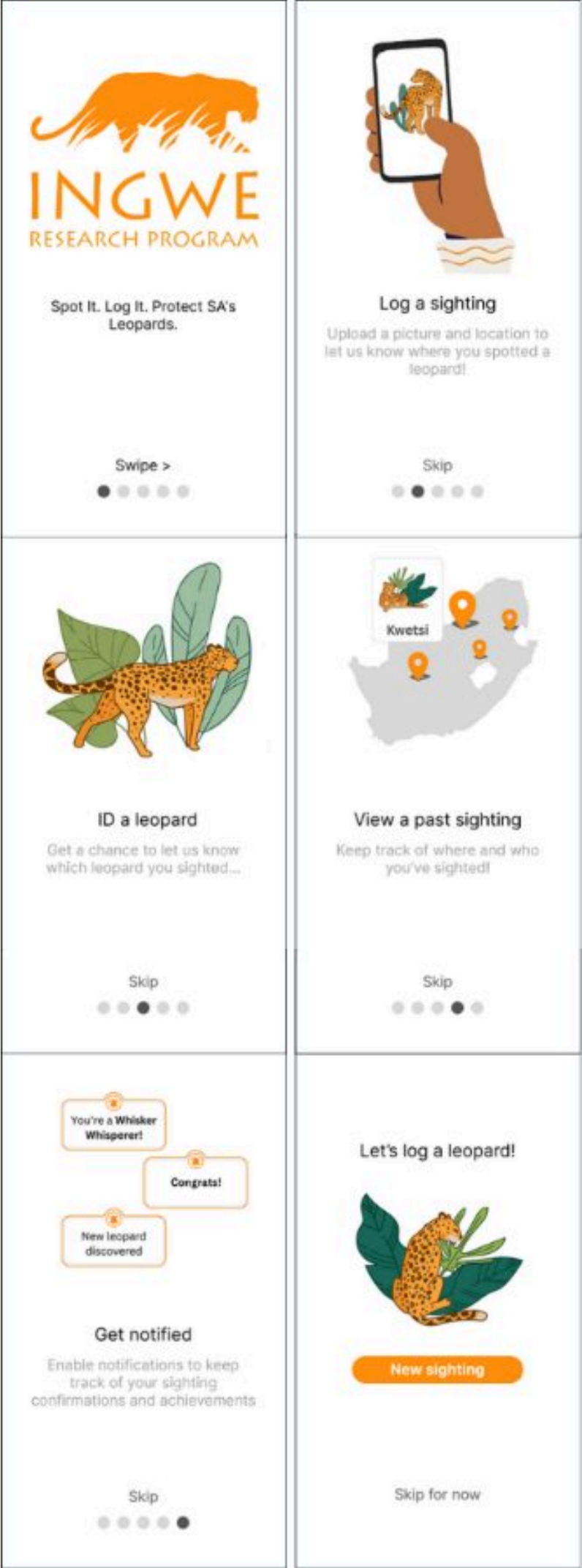
The app allows verified contributors to view sightings of leopards within the reserve they are registered to, as well as home range data for leopards within that reserve. All users are verified before access is granted, ensuring the safety and privacy of the leopards in our network. Contributors can also track every leopard they have ever sighted and access identification guides.

"Over the last year, I've dedicated nearly 500 hours to building the Ingwe mobile app — a digital bridge between technology and leopard conservation. There is no greater reward than watching code become real protection, in real time, for real leopards."

LIAM HOFFMANN · SOFTWARE ENGINEER ·
EXTENDED TEAM VOLUNTEER



Liam Hoffmann · Software Engineer · Volunteer Specialist



Future Projects

These initiatives represent Ingwe's commitment to testing new ideas. They are in development and concept phase — their realisation will depend on team growth and long-term, unrestricted funding.

PROJECT 01 · IN PARTNERSHIP WITH TERRASENSE

Next-Generation Tracking

In partnership with TerraSense, Ingwe will adapt cutting-edge mesh networks and non-GPS trilateration technology for leopard monitoring — providing unprecedented data resolution at lower cost and minimal invasive impact. TerraSense recently tracked pangolins at one GPS point per minute for six weeks. The technology is proven. The leopard application will be next.

PROJECT 02 · EXPANDING THE NETWORK

Community-Led Camera Trapping

Inspired by pioneering models from Lion Landscapes and WildCRU in East Africa, Ingwe wants to explore a South African adaptation. By placing camera-trap ownership and data collection in the hands of community members living on the fringes of reserves, the aim will be to shift leopards from perceived threat to community asset.

PROJECT 03 · IN PARTNERSHIP WITH K2C BIOSPHERE

Research Beyond Fences

In partnership with the Kruger to Canyon Biosphere Region, Ingwe aims to identify key ecological corridors across human-dominated landscapes — ensuring future conservation planning will reflect the true status of leopards across the wider landscape.

PROJECT 04 · BUILDING ON THE K9 PILOT · SPONSORED BY ON TRACK SAFARIS

K9 Monitoring at Scale

Our current K9 pilot is validating the potential of canine-led monitoring. One possible future direction — not yet confirmed — is to scale this methodology across multiple reserves and road stretches. The pilot must first fully demonstrate results on the R40 before any broader ambitions are considered.



Ali & Scout — K9 scent detection training



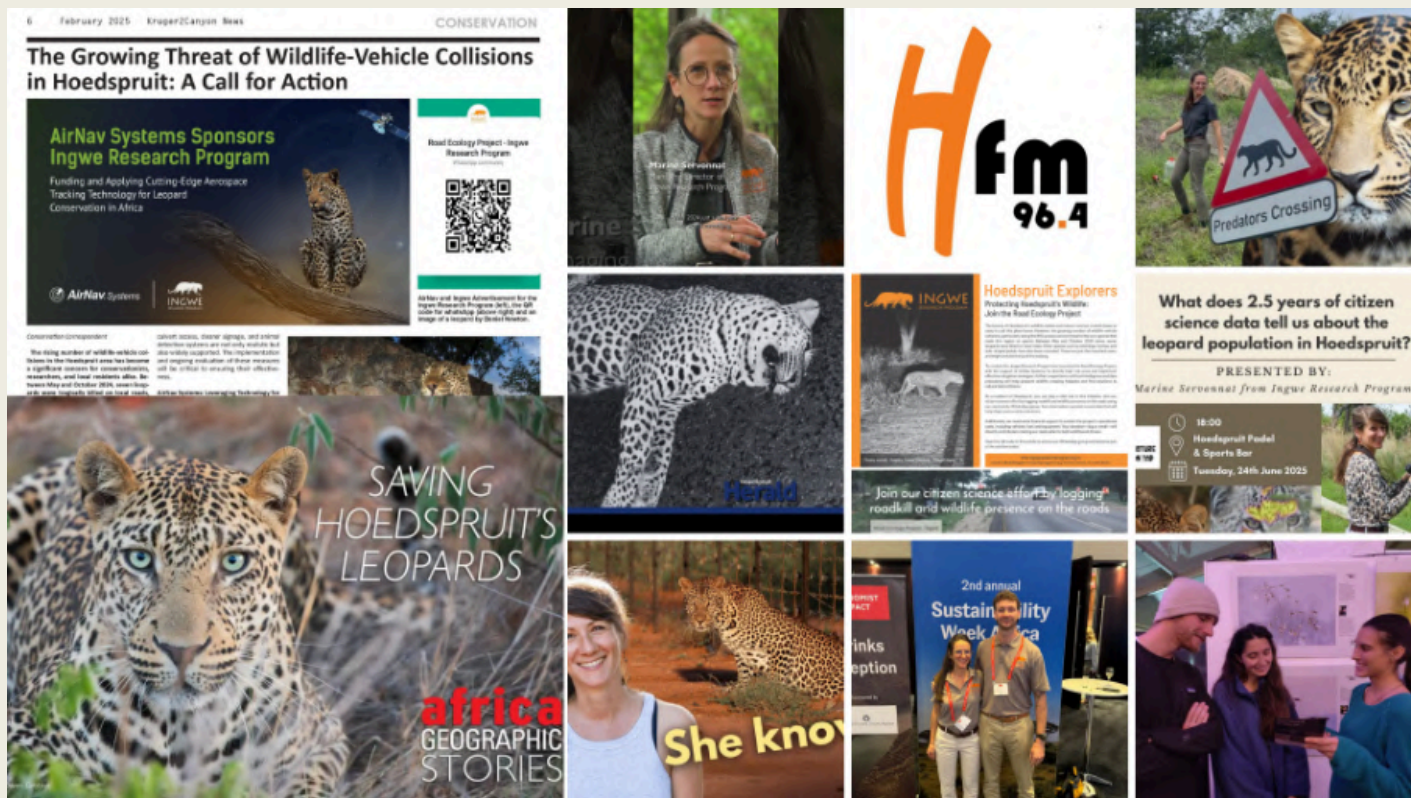
Tanis Short · MSc researcher, culvert study



Field research in action

Media & Outreach

In 2025/26, Ingwe participated in conferences and workshops across 11 days, and was featured in 12 media and communications outreach moments.



CREATIVE FUNDRAISING



Relate Bracelets
Branded conservation bracelets — a wearable symbol of commitment to leopard conservation.



Arid Wines
A partnership raising a glass to leopard conservation and generating income for Ingwe's programmes.



Hadrian's Wall Challenge
Dr Tara Pirie walked Hadrian's Wall in a leopard costume to fundraise for Ingwe.

Annual Auction



Mark Dumbleton · **R5,500**



Tristan Cary · **R5,000**



Vanessa Lomas · **R14,000**

Auction items still available! Contact info@ingweresearchprogram.org

STUDENTS & VOLUNTEERS



"My two-month volunteering stay with the Ingwe Research Program was truly unforgettable. I had the chance to use ArgusWild AI to help identify leopards using their coat patterns. I leave with great memories, valuable knowledge, and friends I will always remember."

FLORIAN FEUVRIER · VOLUNTEER, 2025

JOIN OUR VOLUNTEER PROGRAMME

ingweresearchprogram.org/volunteer · info@ingweresearchprogram.org

Our Team

BOARD OF DIRECTORS



EXECUTIVE DIRECTOR

Marine Servonnat

Conservation biologist (MSc) with international ecological monitoring experience in marine and African ecosystems. Founder of the Ingwe Research Program NPC, Marine leads the organisation's development strategy and single-handedly manages operations, partnerships, funding, and communications, ensuring research, data collection, and conservation action are fully integrated.



DIRECTOR, CHAIRMAN OF THE BOARD

Tom Lautenbach

Senior LiDAR technician and Field Operations Manager (MSc) at Harvard University's Davies Lab, leading large-scale UAV and landscape ecology projects across Africa. Co-founder and CEO of Scify Consulting, Tom brings strong scientific entrepreneurship and governance experience.



DIRECTOR, HEAD OF RESEARCH

Dr Tara Pirie

Zoologist with a PhD in leopard conservation, Lecturer in Ecology and Conservation, and Ecology Programme Director at the University of Surrey (UK). Tara leads Ingwe's scientific strategy, ensuring methodological rigour, data integrity, and academic excellence across all projects.



DIRECTOR, HEAD OF ETHICS & SECRETARY

Elwenn Le Magoarou

Conservation biologist with an MSc in Biodiversity Dynamics and Conservation and biomonitoring experience across Southern and West Africa. Elwenn oversees Ingwe's Research Ethics Strategy and Committee, ensuring all projects meet high standards of scientific integrity, animal welfare, and responsible stakeholder collaboration.



DIRECTOR, HEAD OF STRATEGY

Simon Hartley

Entrepreneur and senior executive with extensive experience upscaling and governing high-growth organisations. Founder of WumDrop, acquired by Walmart in 2021, and Principal of Thorndale Group. Simon advises Ingwe on governance, financial sustainability, partnerships, and strategic storytelling.



NON-EXECUTIVE DIRECTOR, FINANCE

Jarryd Evans

CA(SA) and CFA (III) candidate. Director of Finacta Chartered Accountants, specialising in Accounting, Tax and Board Advisory services. Advises on all financial areas for Ingwe, including accounting, tax, and financial risk management.

TRUSTEES



Paul folkes Davis

British financier with a career spanning NM Rothschild & Sons, NatWest Markets, and Rabobank International. Bursar of Trinity Hall, Cambridge, and Founder of Cambridge & Counties Bank.



Mark Dumbleton

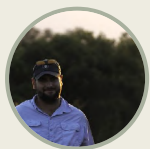
Wildlife and landscape photographer based in Hoedspruit. His photograph of a leopard made the front cover of the *Remembering Leopards* book. His imagery gives Ingwe's science its visual voice.



Sophie Gandet

Conservation, philanthropy, and governance consultant. FGASA qualified guide and International Member of the Explorers Club. Sophie serves on boards across Sweden, Cape Town, and Maun.

EXTENDED TEAM – VOLUNTEER SPECIALISTS



SOFTWARE ENGINEER · VOLUNTEER SPECIALIST

Liam Hoffmann

Donated nearly 500 hours to build the Ingwe mobile app – a digital bridge between technology and leopard conservation. Volunteer Service Agreement.



IMPACT EXECUTIVE · VOLUNTEER SPECIALIST

Rachael Leeman

Impact Executive at the King's Trust, UK. Supporting Ingwe's communications and impact reporting. Volunteer Service Agreement.

Where Your Investment Goes

Our overhead costs reflect the true cost of building a professional conservation organisation. As a registered PBO (No. 930087476), all donations to Ingwe are tax-deductible.



2025/26 FINANCIAL SUMMARY

Total Income

R1,124,194

Total Expenses

R653,424

Reserves Position

7 months

of operating costs · within policy

A RESPONSIBLE POSITION — AND A CALL TO ACTION

Seven months of reserves demonstrates financial discipline and ensures Ingwe can weather short-term uncertainty. However, it is not a platform for growth — we cannot self-fund the team expansion needed to scale our research, launch the future projects on page 17, or implement road ecology mitigation measures that could save leopard lives. We have built a stable, credible organisation. The next chapter requires your support.

Donations tax-deductible · Section 18A · PBO No. 930087476

OUR DONORS — THANK YOU

CUSTODIAN R50,000+

D. Kieser · P.F. Davis

CHAMPION R20,000–R49,999

R. Reeve

PARTNER R10,000–R19,999

J. Smith · Bailey's Family

ADVOCATE R5,000–R9,999

R. George · W. Pauchli

SUPPORTER R1,000–R4,999

J. Morrow · P.R. Bright · B. Sutter · Depo Gardens · N. Royce · M. Rauch · E. Hillary · C. Geddes · G. Kallifatidis · R. Dumbleton · P. Goodall

FRIEND R10–R999

S.Z. Wu · Z. Wu · A. Pretorius · Y. Zeng · M. Jacobson · C. McClintock · M. Waller · Arda · M. Rehwinkel · L. McDermid · C. Barry · K. Morris · M. Dumbleton · R.M. Pike · J. Noble · F. Lautenbach · T. Smart & B. Wright

How You Can Help

EXISTING DONORS & SPONSORS

Renew Your Partnership

Your support makes this work possible. Renew your partnership and consider upgrading to fund a camera trap station, a field research day, or a student placement.

info@ingweresearchprogram.org

NEW DONORS & SUPPORTERS

Join the Mission

Every contribution goes directly into field research and conservation. Visit our website to become a Friend of Ingwe today.

www.ingweresearchprogram.org

RESERVES & LODGES

Is Your Reserve on the Map?

31 reserves are already part of the Ingwe network. Contact us to find out how your reserve can become part of something bigger.

info@ingweresearchprogram.org

GENERAL PUBLIC

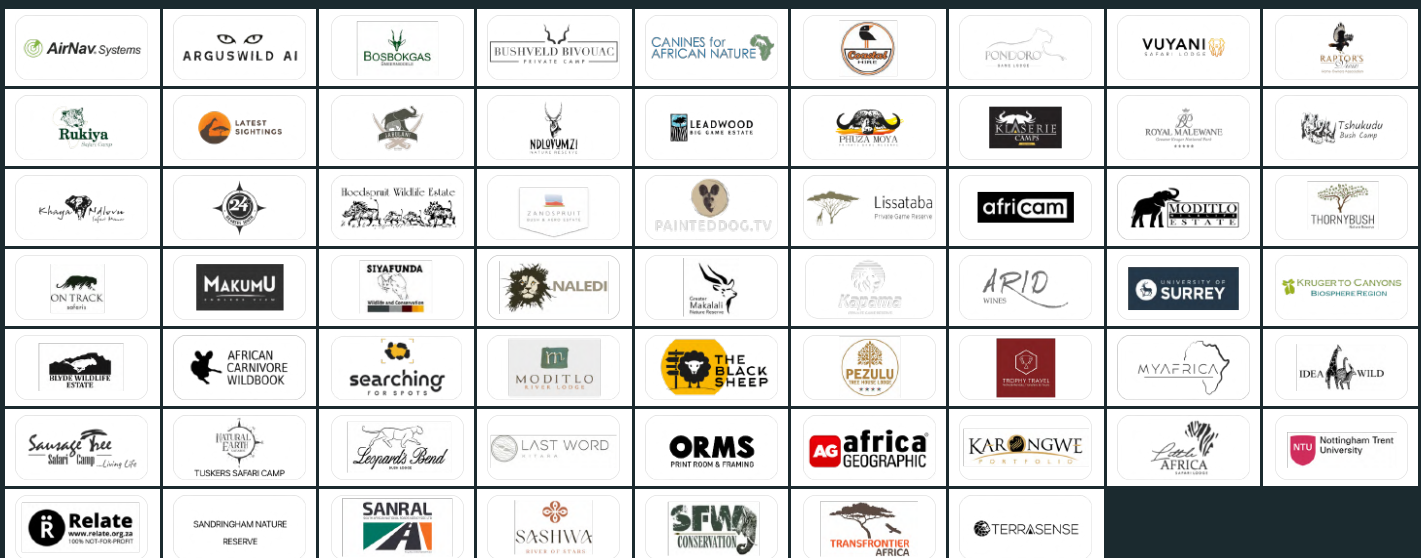
Follow Our Leopards

Every share, every story you tell helps protect one of Africa's most secretive and spectacular predators.

[instagram.com/ingwe_research_program](https://www.instagram.com/ingwe_research_program)

[facebook.com/ingweresearchprogram](https://www.facebook.com/ingweresearchprogram)

OUR PARTNERS & SUPPORTERS — 61 PARTNERS



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