



PROGRAMME









Day 1, Mo	onday 18 Septemb	er 💮 🦱
09:00 – 09:30	ACLIE 2023 Opening Ceremony	
09:30 – 10:00	ACLIE Mkutano: Imagining the Future Keynote speakers: Dr. Patrick Omondi (CEO, Wildlife Research and Training	
	Hussein Yusuf Iman (Regional Infrastructure Manager, Dr. Njeri Mwagiru (Senior Futurist, Institute for Futures	
10:00 – 10:45	ACLIE Mkutano: The Systems Lens Keynote speakers:	iii.
	Dr. Nick King (Environmental futurist) Winnie Nunda (Research Officer, Centre for Agriculture Dr. Nick Simpson (Senior Advisor, Africa Lead for Know	
10:45 – 11:10 T o	ea Break	
11:15 – 12:15	On the Line:	On the Line:
	1: Powerline effects on grey crowned cranes in south-central and south-western Uganda; Sarah Kugonza	1: Comparison of cost-effectiveness of different types of wildlife crossing structure; Manisha Bhardwaj
	2: Northern Kenya Road Watch: Citizen science for informing retrofitting of a highway; Matthew Wachira and Redempta Njeri	2:The role of environmental, structural and anthropogenic variables on underpass use by African savanna elephants (Loxodonta africana) in the Tsavo Conservation Area; Michael Koskei
	3: Effects of linear infrastructure on vertebrates in Hluhluwe-iMfolozi Park and ISimangaliso Wetland Park, KwaZulu-Natal, South Africa; Cameron Cormac	3:Linear infrastructure and primates: impact and mitigation examples from South Africa, Africa and beyond; Bibi Linden
12:20 – 13:20	In the Lions' Den:	Design Desk:
	1: Animal vehicle conflict -a road safety blind spot in Botswana; Maatla Otsogile	Using Remote Sensing and Least-Cost Paths to optimise route planning
	2: Exploring wildlife crossing effectiveness on the N4 Toll Route (TRAC N4), Gauteng Province, South Africa; Thabo Hlatshwayo	Presenter: Douglas Tilbury
	3. Overcoming Data Limitations: Estimating the economic feasibility of primate canopy bridges for stakeholder meetings; Pamela Cunneyworth	
13:20 – 14:10 L	unch Break	
14:15 – 15:30	Integrated Issues: Strengthening road ecology research and exchange between Asia and Africa	Integrated Issues: Towards more sustainable and inclusive development corridors in Africa
	Presenter: Qilin Li	Presenter: Hamza Rafray Butt
15:30– 16:00 B	reak	
16:00 – 18:000	Curriculum Corner Communicating your transport ecology story	Curriculum Corner Gathering data for roads 101
	to the community, engineers and your Mum: Enthralling your audience with a captivating blog or stunning audio-visuals	Trainer: Wendy Collinson
	Trainers: Rodney van der Ree, Peter Ndung'u, Kieren Topp	

Welcome cocktail event

18:30 – 21:00

Day 2, Tuesday 19 September

07:00 – 07:30 09:00 – 10:00 Morning forest walk in the Brackenhurst Indigenous Forest ACLIE Mkutano: The economics Lens

Keynote speakers:

Mark Gerrard (Africa Director, Conservation Strategy Fund) Conrad Savy (Regional Biodiversity Lead, IFC) Lucy Waruingi (Executive Director, African Conservation Centre)

10:00 - 10:30

Tea Break and Networking

10:30 - 11:30

On the Line:

1: Apes and Forests at Risk: impacts of linear infrastructure (LI) on three species and landscapes - Hoolock gibbon in NE India, orangutans in Sabah, Borneo and gorillas in the trans-Virunga landscape; Megan Parker

2: Spatiotemporal patterns of wildlife along the Phalaborwa – Hoedspruit railway line in Balule Nature Reserve, South Africa; Siboniso Thela

3: Transport infrastructure and protection of fauna in the Czech Republic; Václav Hlaváč

Design Desk:

A tool to predict the indirect and induced land-cover change caused by new road project

Presenter: Jayden Engert

On the Line:

1: Unravelling the Complex Relationship: Canopy Bridges, Road Barriers, and Vehicle Collisions in Monkeys; Pamela Cunneyworth

2: Birds and the anthropogenic environment: a case study of Nigeria; Nanchin Winifred Kazeh

3: Why did the Albany Adder Cross the Road? Or did it?; Shona MacAffer

Design Desk:

The role of railways in sustainable mobility and habitat protection in Africa - outlining the International Union of Railways' recommendations for railway agencies and a new project launching in 2024

Presenter: Lorenzo Franzoni

12:30 - 13:15

11:35 - 12:25

Policy Props

Capitalising on the biodiversity opportunity to secure ecologically sustainable pan-African linear infrastructure

Presenter: Wendy Elliott (Plenary discussion)

13:15 – 14:00

Lunch Break

14:00 - 15:00

In the Lions' Den:

1: Wild ungulates can use passages at-grade to cross road-barriers to the same extent compared to ecoducts or other types of wildlife-designed passages at different grades; Marcus Elfström

2: Book Launch: Impact assessment for Corridors: from infrastructure to development corridors; Hamza Rafray Butt

3. African primates in the face of transportation network expansion: challenges and opportunities for their conservation; Mattia

Integrated Issues:

Student and youth event: Building a community of practice for the future

Facilitator: Sarah Chiles

In the Lions' Den:

Dogs as a tool for the investigation and the protection of linear structures; Leopold Slotta-Bachmary

2. Erosion control and restoration of red clay highway slopes using the application of an innovative material: A Case Study in South China; Xiaochun Qin

3: Using the PathFindIR device to prevent collisions on our roads worldwide; Gregory Kent Smith

Integrated Issues:

Integrating the concerns for mitigating the impact of linear infrastructure (Roads and Railways Line) on large mammalian species: Lessons from India

Presenter: Bilal Habib

16:30- 17<u>:00</u>

15:00 - 16:30

17:00 - 18:00

Break Curriculum Corner

Mainstreaming Wildlife Incident Management into Utilities in Southern Africa

Trainer: Lourens Leeuwner and Oscar Mohale

Curriculum Corner

Cross-Continental Pachyderm Practices: Sharing Best Solutions for Elephant-friendly Linear Infrastructure

Trainer: Melissa Butynski

Day 3, Wednesday 20 September

08:00 - 09:00

ACLIE Mkutano: The Pamoja Lens

Keynote speakers:

Sheila Ashong (Ag. Director Natural Resources, Ghana Environmental Protection Agency) Andrew Letura (Ecological Monitoring Officer, Grevy's Zebra Trust)

Steve Itela (CEO, Conservation Alliance of Kenya)

09:05 - 10:05

On the Line:

1: Martial eagles on the line: The enigma of tree-nesters in a treeless landscape; Gareth

2: Amphibian Underpass Tunnels: A Boon for Endangered Western Leopard Toads; Kim Gordon

3: Research informing community management for peaceful coexistence along corridors jointly used by livestock, people, and wildlife; Jane Wanjira and Mary Wykstra **Special session:**

Sustainable Infrastructure in Kenya: The Future We Want

(Continuing the legacy of Tobias Nyumba through research)

Speakers: Rob Marchant, Toby Otieno, Stellah Ndiwa, Evans Sitati

10:05 - 10:30

Tea Break

10:30

Leave for day trips

Day Trip 1: Nairobi National Park

Day Trip 2: Kijabe Forest and the Rift Valley

For those who are attending online, tune in for a livestream of the day trips at 14:00.





17:00

Return from day trips

1800 – 21:00

Fireside dinner and awards

	On the Line: 1: Livestock & wildlife corridors to protect cay; connectivity across roads and through developing areas in northern Kenya; Benjamin Loloju lic uilt 2: Research status and challenges of road impacts on wildlife in China: a summary of 144 case studies conducted including on ungulates on the Tibetan Plateau, the giant panda and Asian elephant; Abudusaimaiti Maierdiyali
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underpasses within the Greater Kruger; Hannah Villiers	In the Lions' Den: 1: An innovative approach to maintaining landscape connectivity and mitigating wildlife accidents on Swedish railroads through acoustic signals; Mattias Olsson
3: Combining Citizen Science and animal	2: The growing potential of canopy bridges in de fragmentation mitigation for arboreal mammals; Tremaine Gregory
movement data to Monitor Road kills in Northeastern Kenya; Ali Abdullahi	3. Understanding automated detection systems for wildlife on roads; Steve Bega
15:00 – 16:30 Integrated Issues:	
Sharing experience on transport ecology policy and best practices between Africa and Europe	Integrated Issues:
Presenters: Elke Hahn and Lazaros Georgiadis	Integrated Issues: Contextualising the impacts of linear infrastructure on African drylands and seeking mitigation
16:30– 16:45 Break	Contextualising the impacts of linear infrastructure on African drylands and seeking mitiga-
6:45 – 17:45	Contextualising the impacts of linear infrastructure on African drylands and seeking mitigation

17:45 – 18:30 Closing ceremony Announcement of ACLIE 2025

Trainer: Manisha Bhardwaj

Animal Detection and Driver Warning Systems