

The Kuehne Climate Center

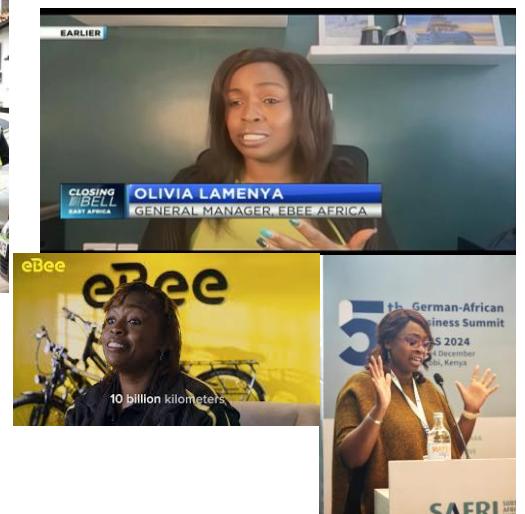
- ❖ Based in Switzerland, working globally
- ❖ Research + Advocacy + Practical Action
- ❖ Key initiative in East Africa: Green Freight Support Program



OLIVIA LAMENYA

SENIOR ADVISOR CLIMATE AND LOGISTICS

- ❖ CO-FOUNDER- EMAK
- ❖ HEAD OF LOGISTICS EABL
- ❖ NON-FINANCIAL CO FOUNDER COUNTRY MANGER EBEE MOBILITY KENYA



*TRANSPORT, Climate
Action, and the Future of
African Mobility*



"Climate action is not a Global North issue or a Global South issue. It is our collective challenge, and it affects all of us. We need to come together to find common, global solutions."

~ H.E President William Samoei Ruto

Reimagining Africa: From Afrotopia to Applied Futures“

“Afrotopia is not a fantasy. It is the radical act of imagining Africa on its own terms.”

— Achille Mbembe



What Does the Horizon of Change Look Like for Africa?

Electric Transport • Systems Innovation • Green Futures

Africa is a launchpad for innovation:



- Youth-driven innovation



- Untapped renewable potential

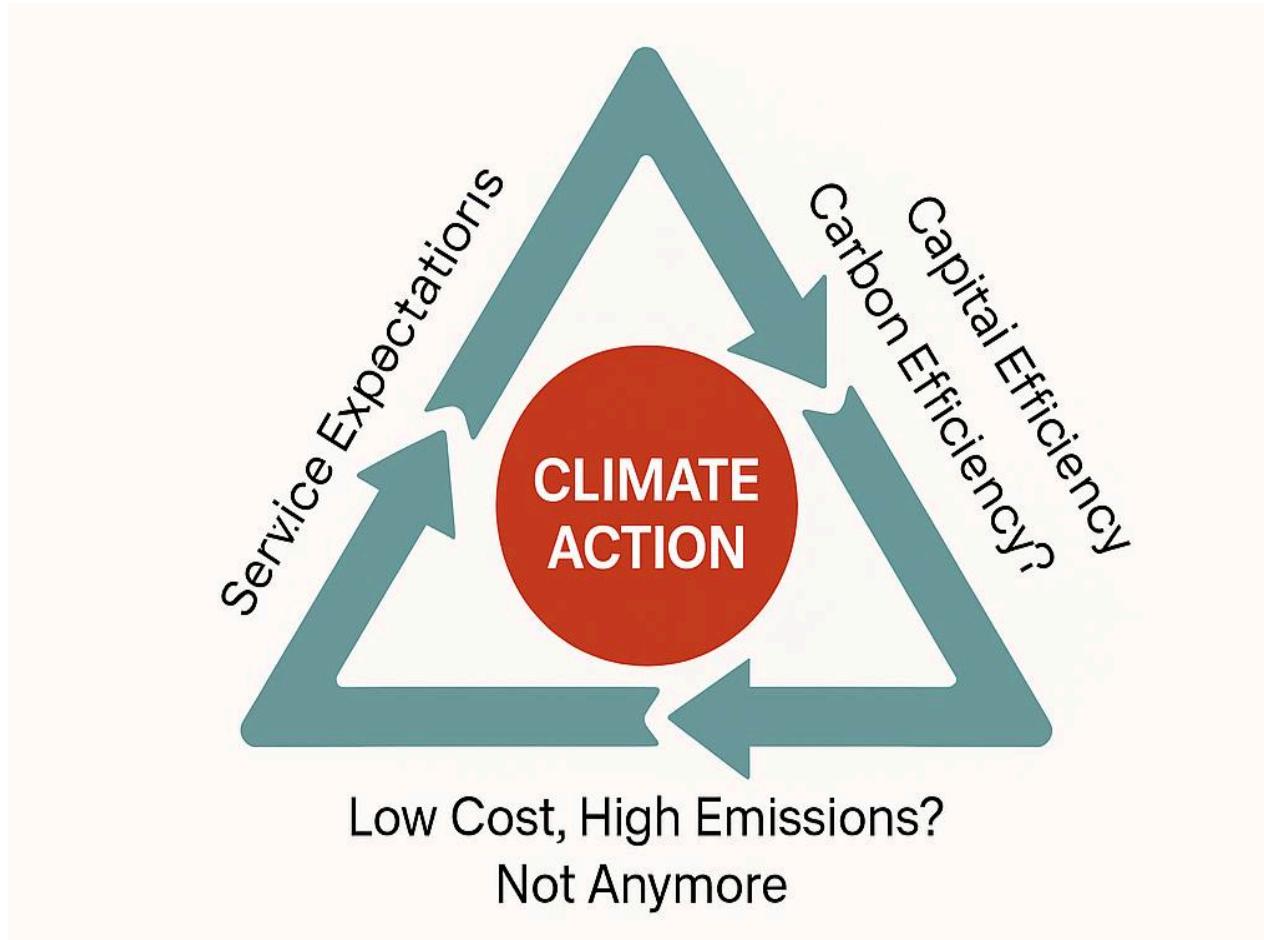


- Low sunk cost in legacy infrastructure



- Urgent urbanisation needs that demand new models





- Climate change directly impacts supply chain design.
- Traditional trade-offs now face new environmental and regulatory pressures.
- Sustainability is becoming a fourth critical dimension.



Green infrastructure
requires upfront capital
investment.

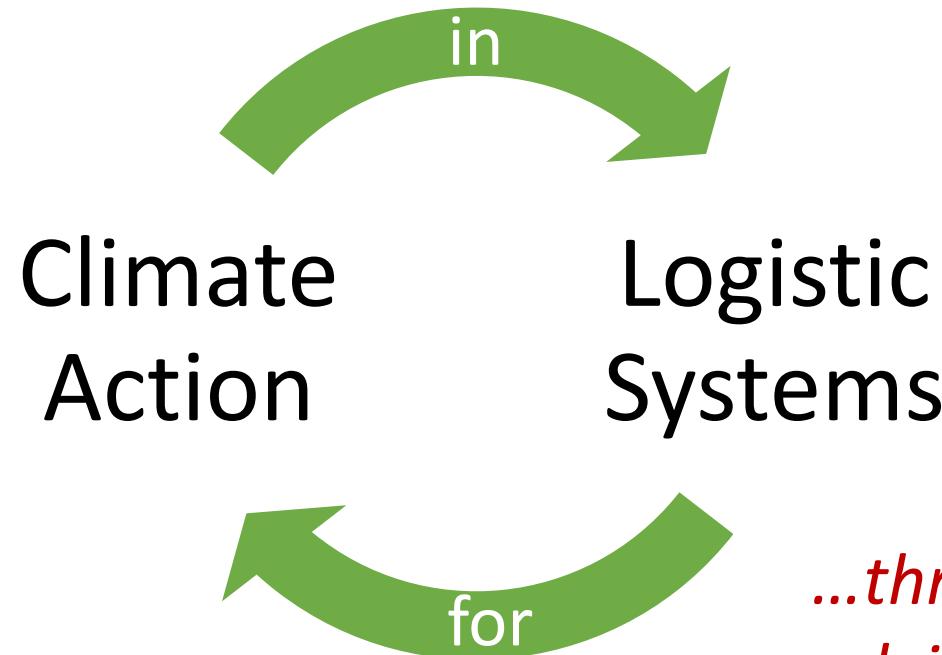


Climate risk = financial
risk (e.g., stranded
assets).



Green financing increasingly
rewards low-emission
models.

Be a catalyst for...



*...through global insights and
advice and empowerment in low-
and middle-income countries*

Examples of Logistics for Climate Action



2 **Deliver**
low-carbon products



**Risks for fossil fuels
carrying ships**



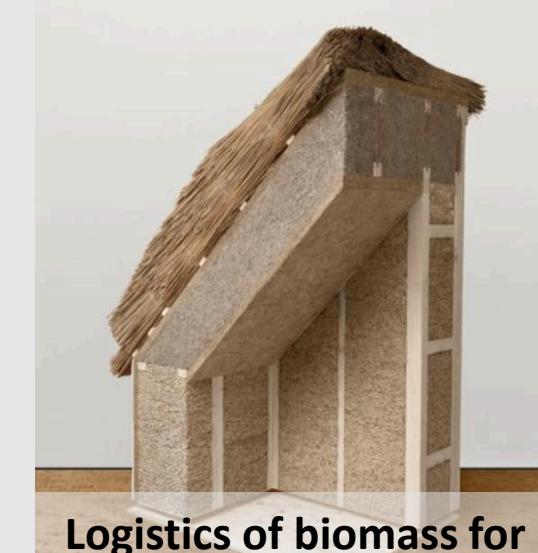
3 **Diffuse**
low-carbon technologies



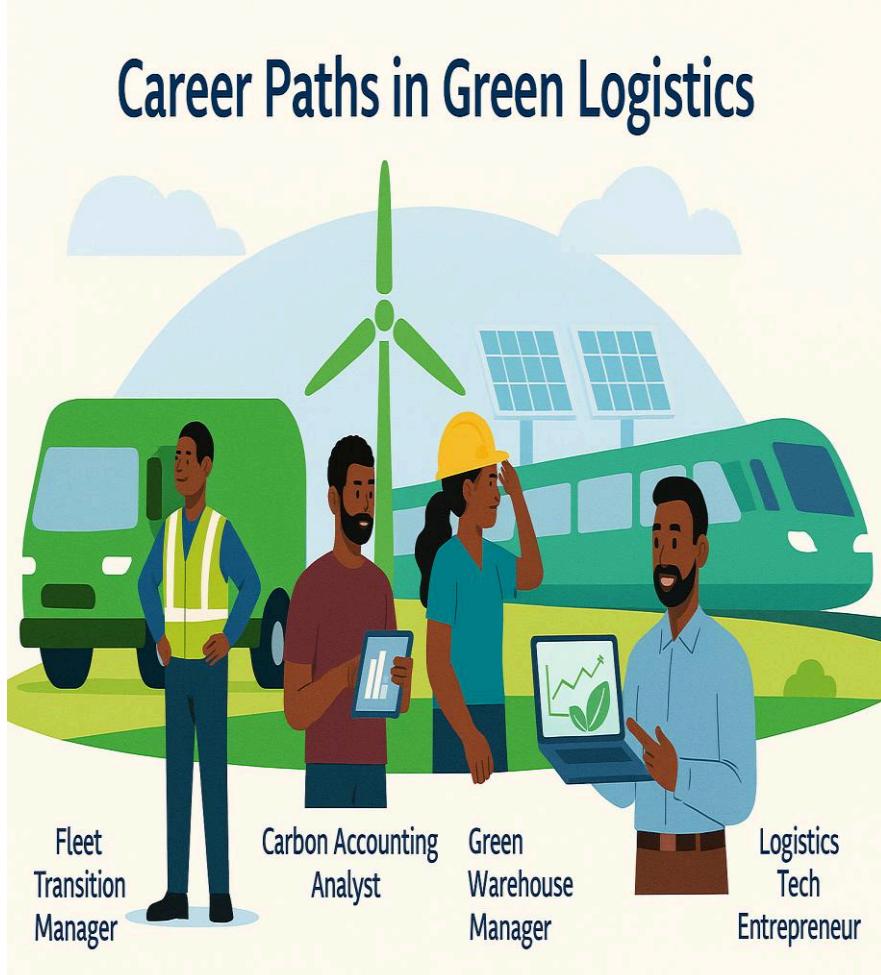
**Logistics to scale wind
energy**



2 **Deliver**
low-carbon products



**Logistics of biomass for
construction**



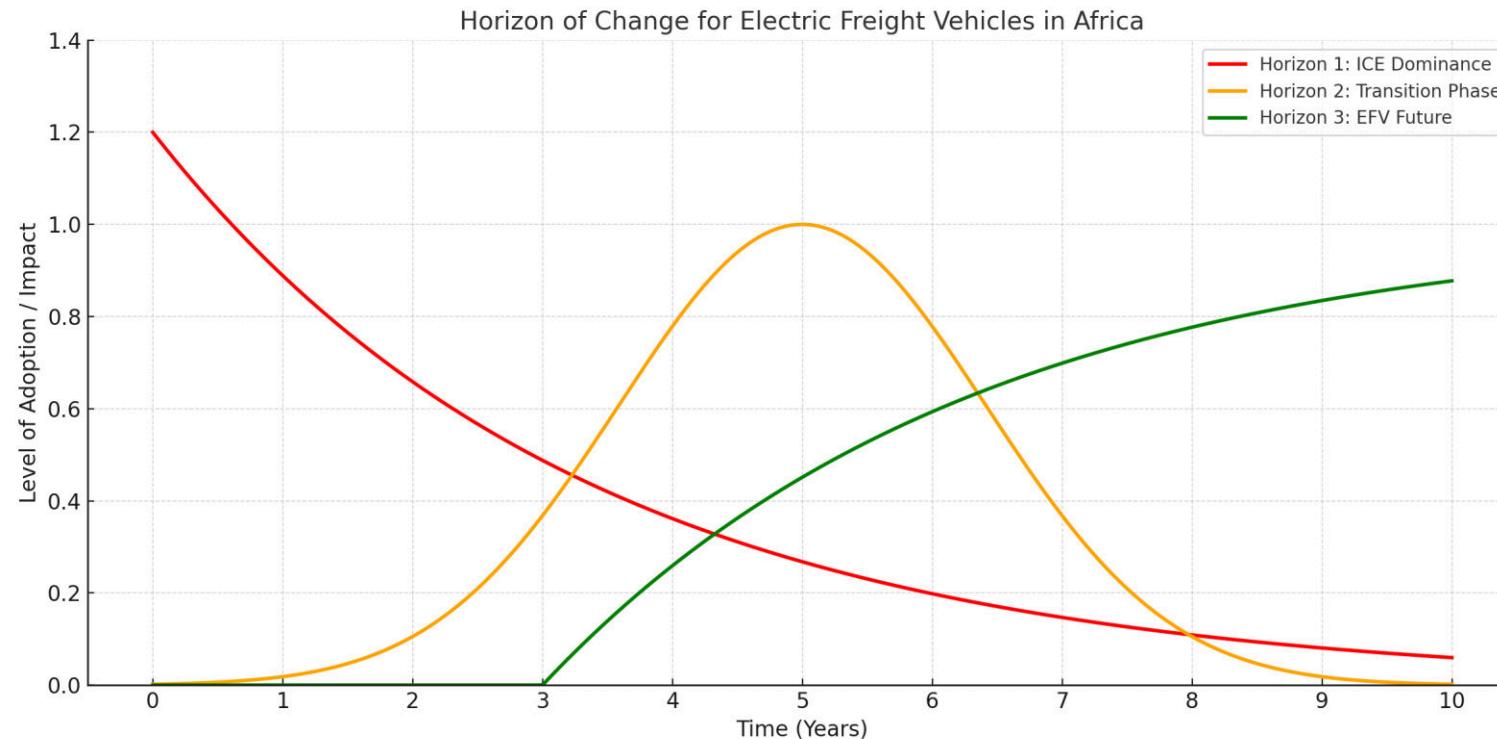
1. Supply Chain Decarbonization Specialist
2. Sustainability Consultant
3. Fleet Transition Manager
4. Logistics Data Analyst
5. Green Procurement Officer
6. Electrification Infrastructure Planner

Horizon 3: African-Led Transformation



- Fully integrated green freight corridors
- African-designed vehicles and data platforms
- Youth-led innovation and localized training
- Carbon trading and regional financing instruments
- Embedded climate-smart logistics policy

What Does the Horizon of Change look like for Africa



•Horizon 1 – Business as Usual

- High reliance on diesel trucks
- Poor air quality, high fuel costs, weak enforcement of emissions standards
- Dominant players resist change
- Existing infrastructure favors ICE logistics

•Horizon 2 – Disruption and Transition

- Pilot EFV programs by private/public sectors
- Introduction of policy incentives and green freight programs
- Development of charging infrastructure along corridors
- Capacity building & awareness campaigns
- Coexistence of ICE and EFV technologies

•Horizon 3 – Transformational Future

- Electric freight becomes mainstream
- Green logistics supply chains dominate
- Regional standardization and cross-border interoperability
- Circular economy practices integrated (battery recycling, etc.)
- Resilient energy systems supporting transport

Students and young professionals across Africa are:

- Launching green startups
- Participating in climate dialogues
- Driving new mobility solutions
- Designing low-carbon cities

