





Session 3:

A New Era in Land Transport:

Pushing Boundaries with Data and Technology.

Nov. 2024

By Tinkasimile Felix



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A New Era in Land Transport

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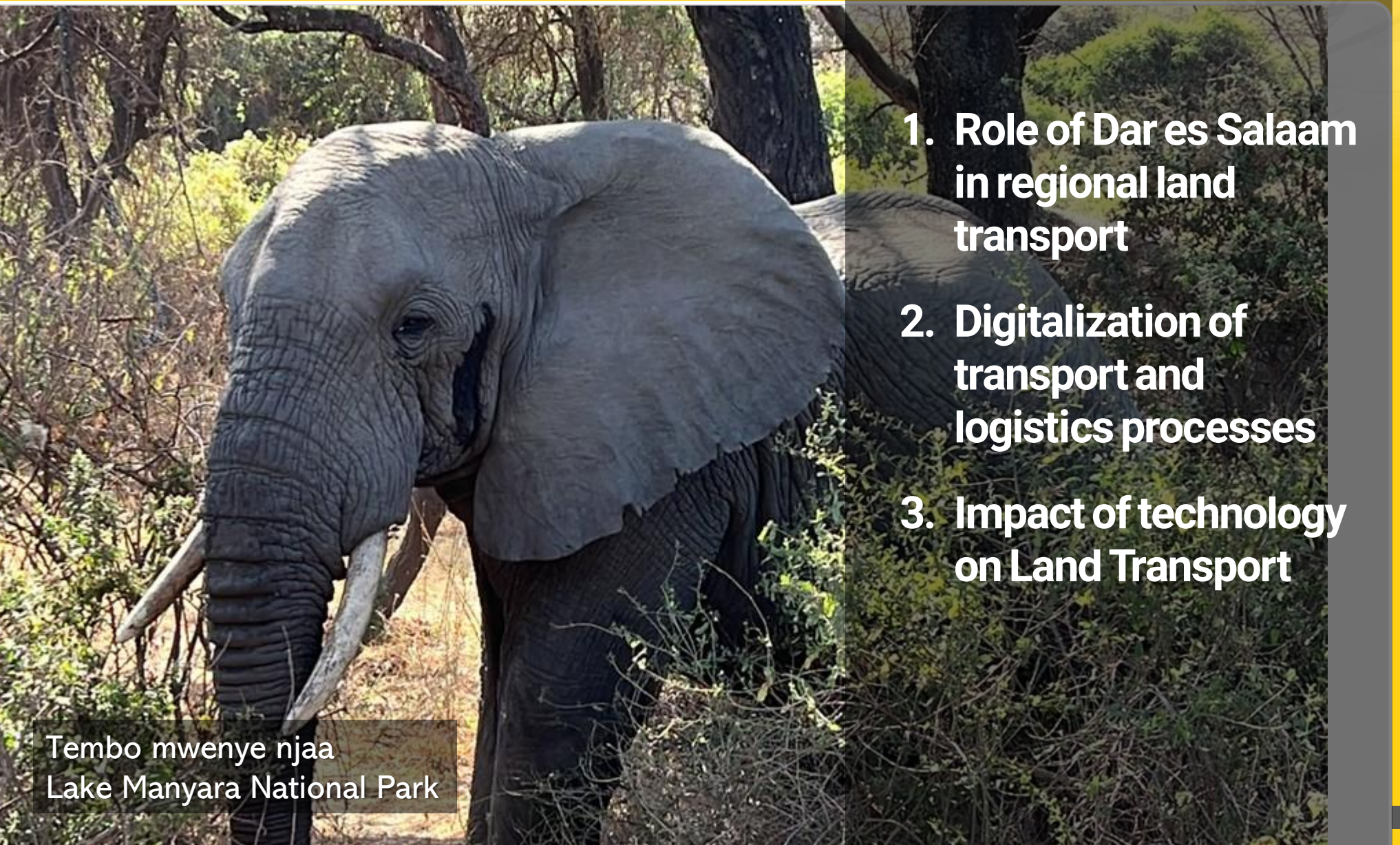
IV

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I

A New Era in Land Transport

Overview

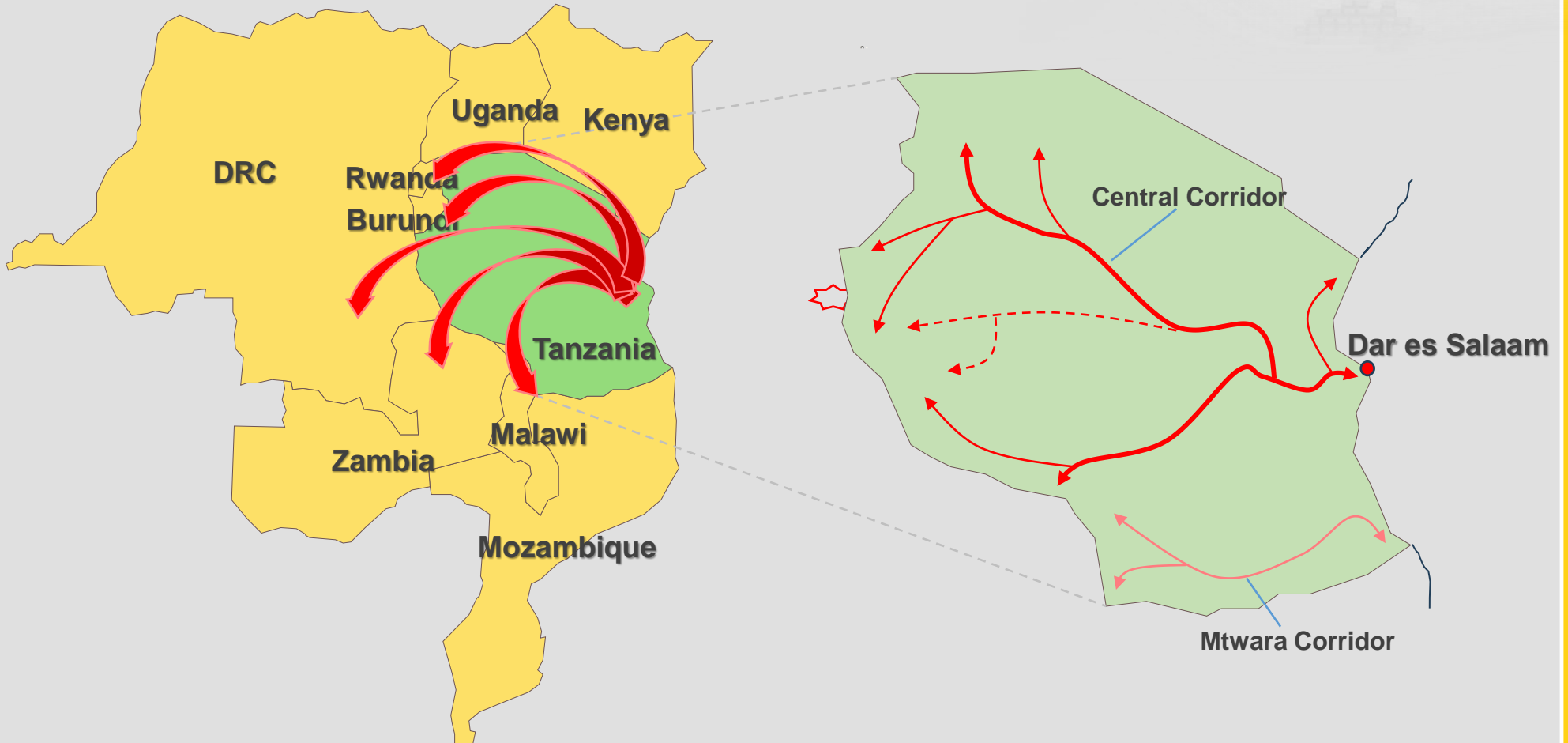


Tembo mwenye njaa
Lake Manyara National Park

1. Role of Dar es Salaam in regional land transport
2. Digitalization of transport and logistics processes
3. Impact of technology on Land Transport

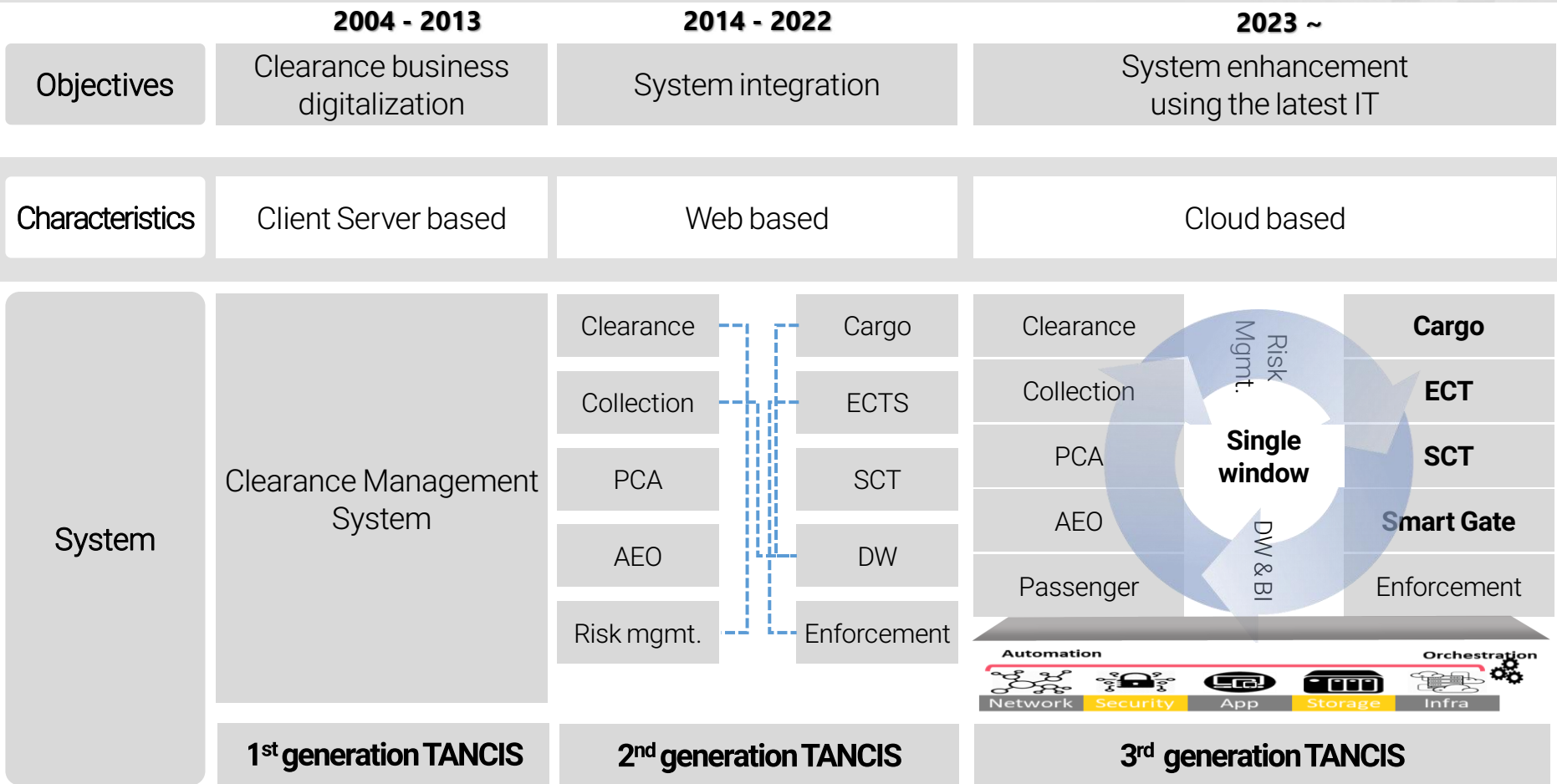
01 Role of Dar es Salaam in regional land transport

- Dar es Salaam serves as a major gateway for Landlocked Developing Countries (LLDCs), acting as a key hub for trade and transport in the East African region. This enhances LLDCs' connectivity to international markets.
- The Port of Dar es Salaam plays a vital role in the trade and logistics of LLDCs. It serves as an important gateway connecting LLDCs to international markets



02 Digitalization of transport and logistics processes

- TRA has been continuously upgrading TANCIS and is now working to integrate smart gates, ECT and SCT modules into TANCIS to manage freight forwarding and logistics procedures quickly and safely.



03 Impact of technology on Land Transport

Before digitalization



After digitalization





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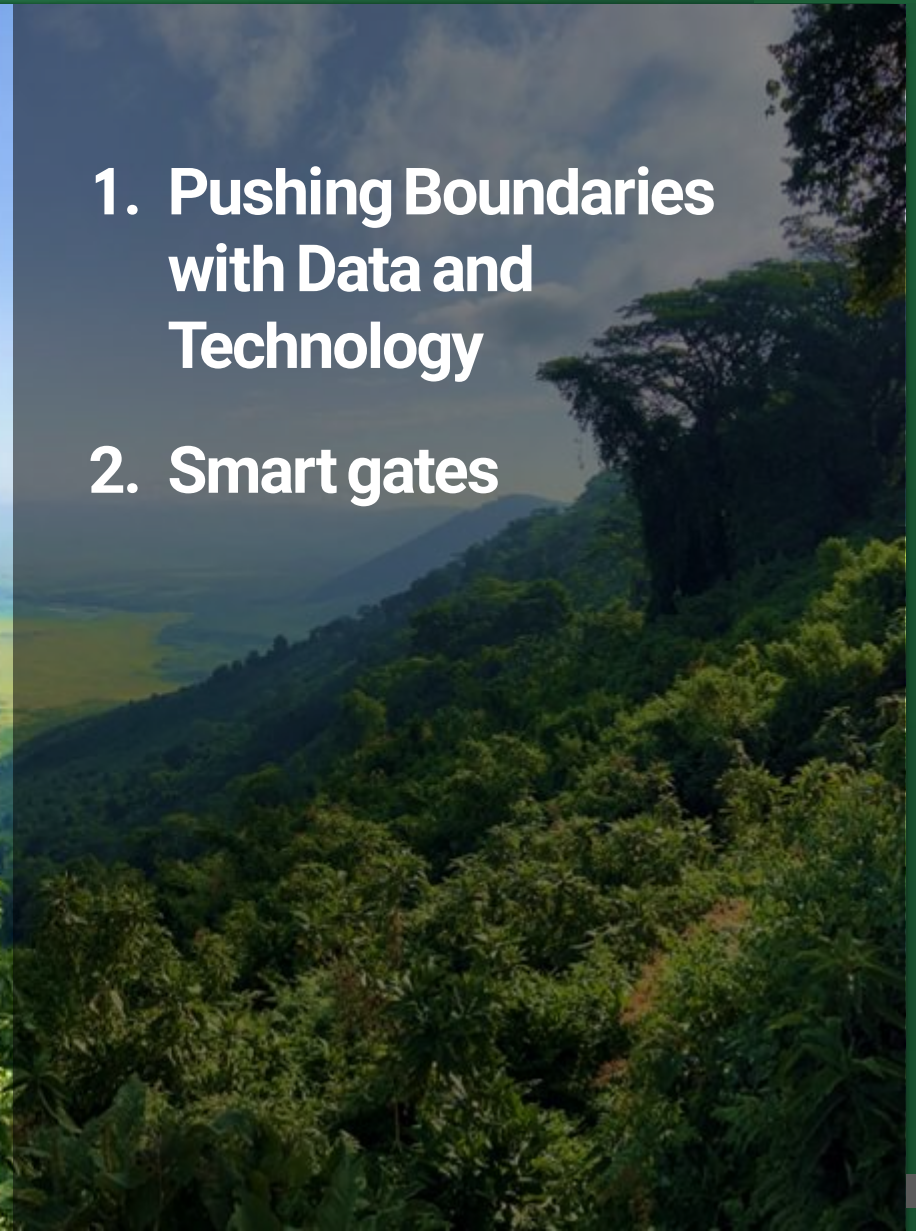
II

A New Era in Land Transport

Technology



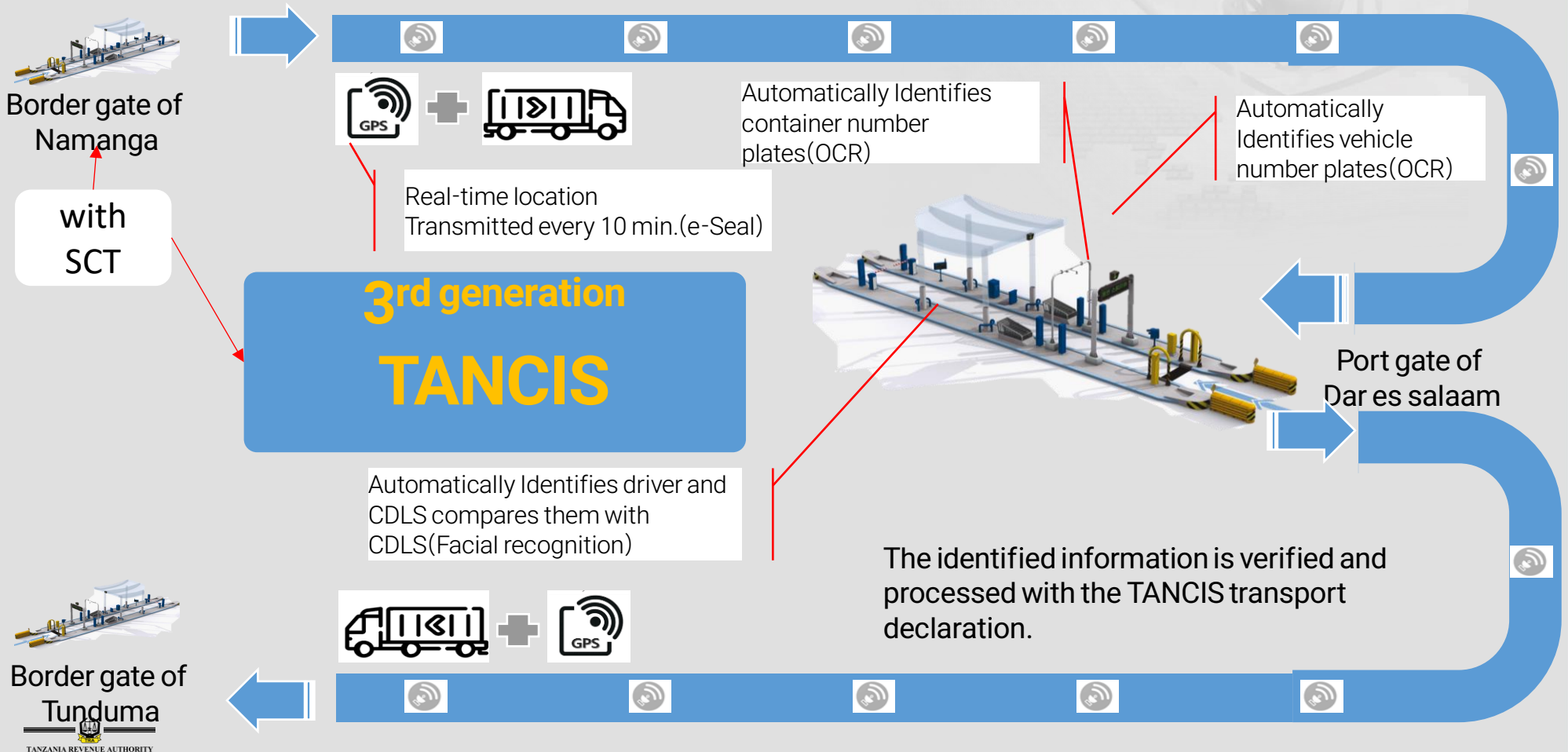
Ngorongoro panoramic view
Ngorongoro National Park



1. Pushing Boundaries with Data and Technology
2. Smart gates

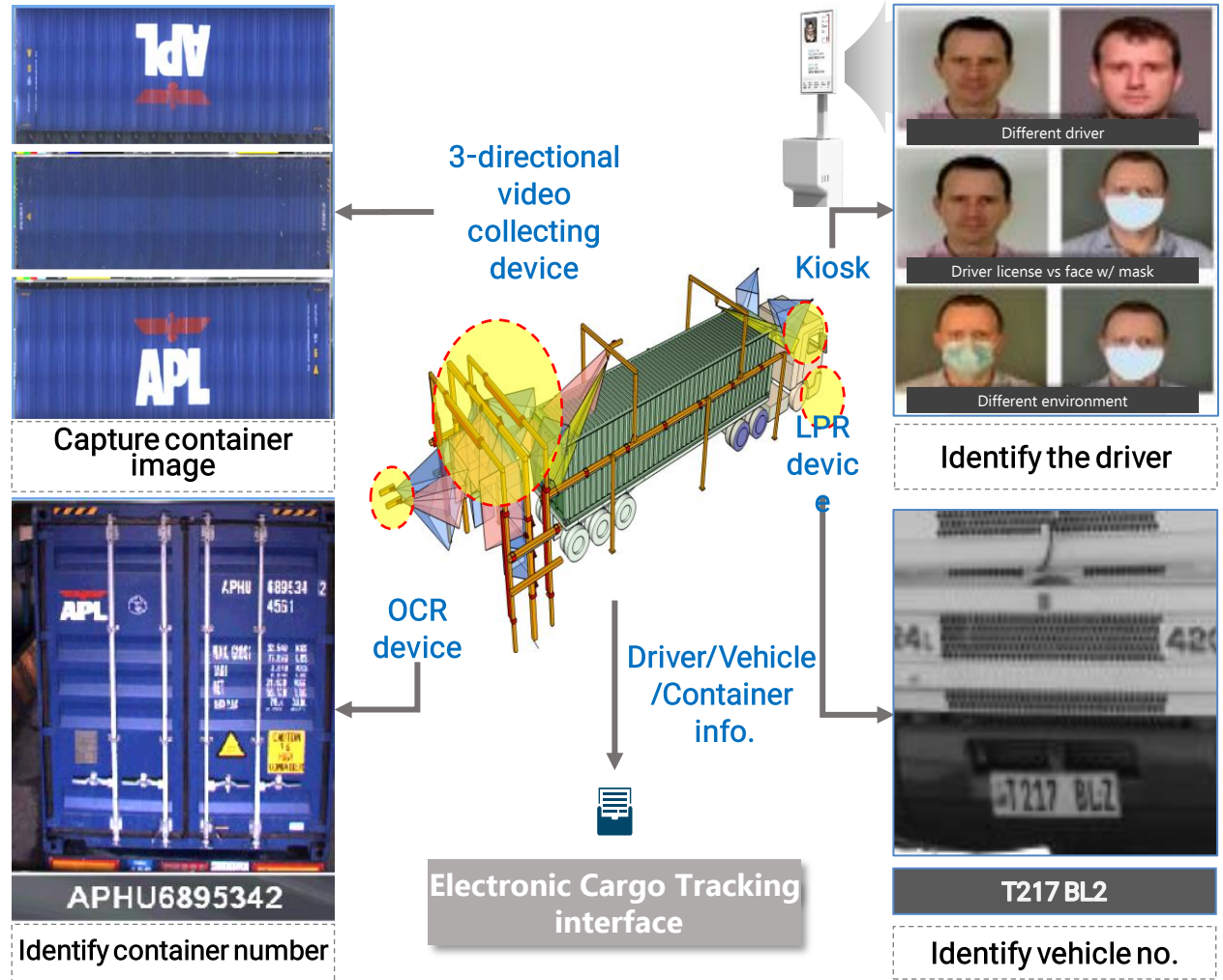
01 Pushing Boundaries with Data and Technology

- Information on driver ID, vehicle, and container identified via Smart gate will be linked to transport declaration data in TANCIS and automatically verified.
- GPS information received through e-seal will be linked to transport declaration data in TANCIS for real-time monitoring. The person in charge shall be notified of any illegal conduct with an Alert.
- TANCIS shall connect with SCT to share region-to-region transport information in real-time when passing the border gate.



02 Technology Smart gates

- | Auto-recognize vehicle no. using LPR optimized
- | Identify via facial recognition without the driver disembarking at the gate
- | Capture top, left, right of the container to verify external condition and auto-recognize container no.
- | Real-time linkage of verified information with ECT for cargo tracking
- | Real-time link between verified information and ECT for cargo tracking





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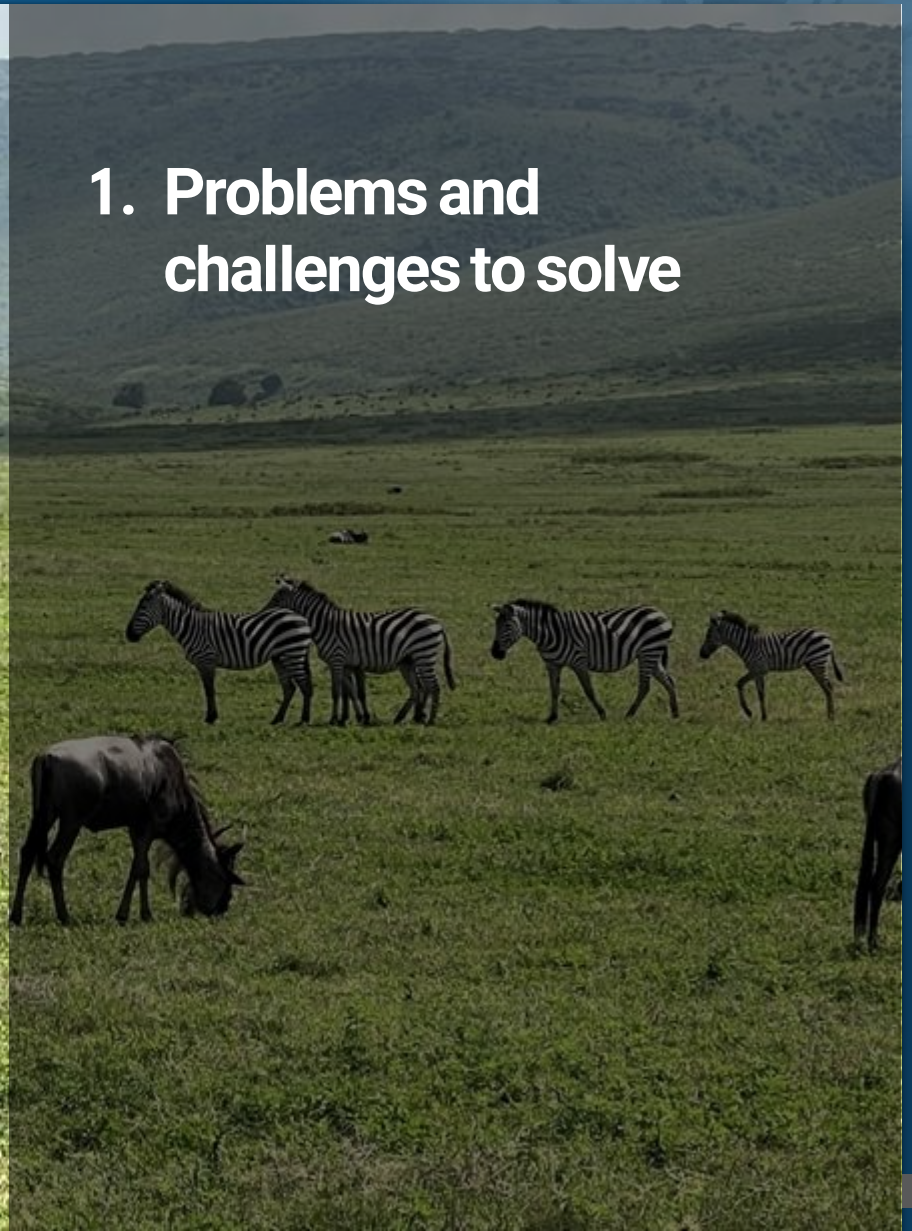


A New Era in Land Transport Challenges



Pundamilia kupumzika
Ngoro Ngoro National Park

1. Problems and challenges to solve



01 Problems and challenges to solve





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A New Era in Land Transport Opportunities



Mikumi National Park

1. Growth and Conclusion
2. Impact of technology on Land Transport

01

Opportunities

Growth and Conclusion

Opportunities
1

Utilizing
Technology

Biometric authentication ,
LPR, OCR, e-seals technology

Introduction e-seal with GPS



Logistics facilitation

Opportunities
2

Simplified
procedures &
documentation

Enhancement Clearance
information system

Introduction of ECT, SCT
Smart Gate



Trade facilitation and
reduction Eco

Opportunities
3

The need to
collaborate

Collaboration between
governments and the private
sector

Collaboration with
international organizations



Improve infrastructure

ASANTENI SANA

