

Trucking monitoring by GPS for Corridor Transport Observatories

SSATP Annual Meeting

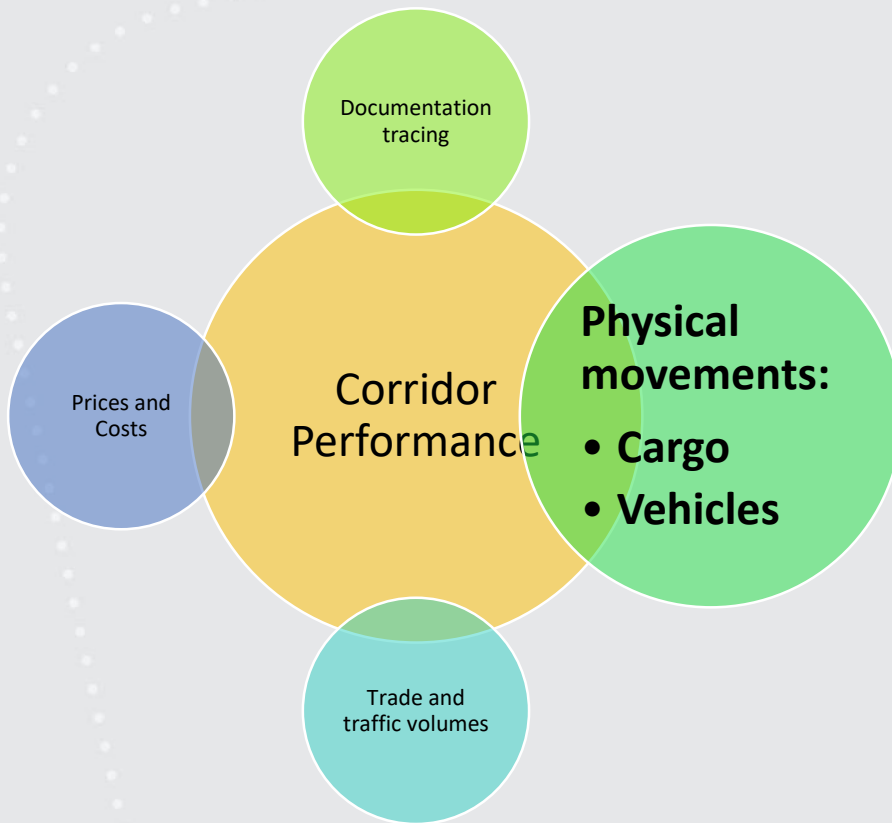
July 2nd-6th 2018

Abuja, Nigeria



SSATP
Africa Transport
Policy Program

Corridor Transport Observatories



- CTO are a toolbox of instruments measuring the multiple dimensions of corridor performance tapping into multiple data sources:
 - Port authorities
 - Customs
 - Terminals and ICDs
 - Weighbridge operations
 - Railways
 - Logistics industry associations
- Truck monitoring through GPS fills a critical information gap in that toolbox in describing route trip patterns and crossing times at choke points

Proof of concept for truck monitoring by GPS in E&S Africa

- Almost all trucking companies in E&S Africa have vehicle fleet management systems using GPS
- Entry point is the GPS service provider, not individual truck fleets:
 - On the plus side: one interface / data collection point for large truck fleet
 - On the negative side: less information on the characteristics of the truck fleet and the companies
- That enables collecting and processing large amount of tracking data throughout the region

Close to 100,000 trucks

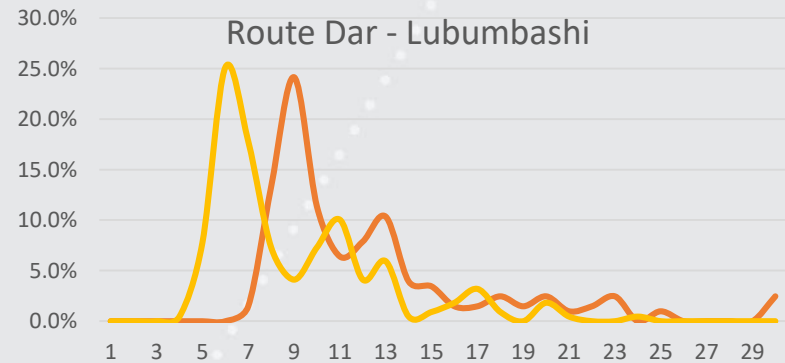
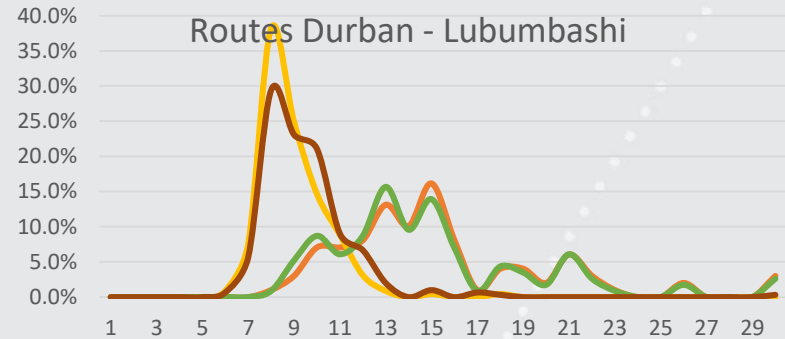
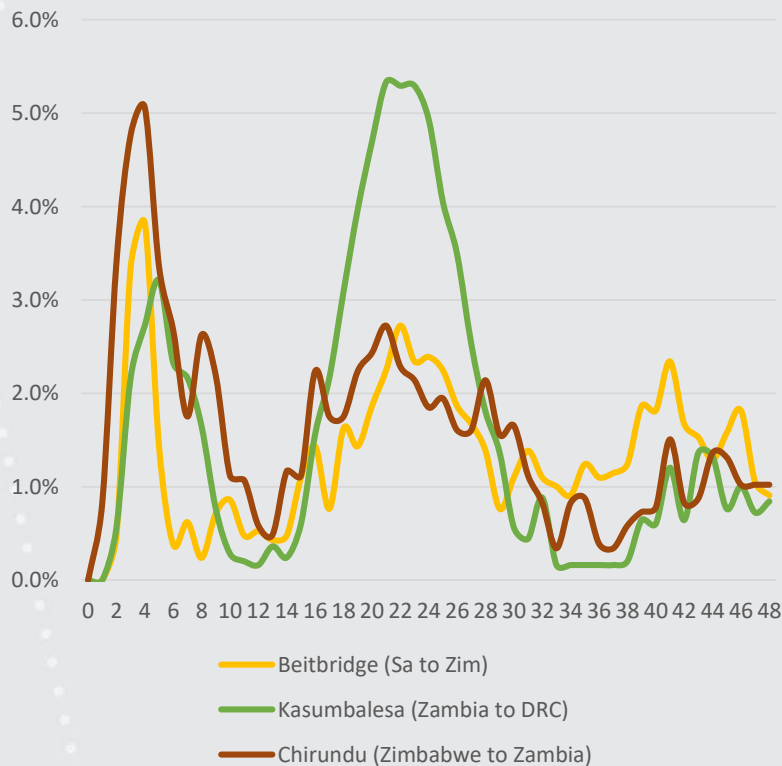
Over 2 billions records per month

50,000 monthly crossings over 42 borders

25,000 monthly trips over 50 routes

The complex realities of border crossing and driving patterns

Frequency distribution for border crossing

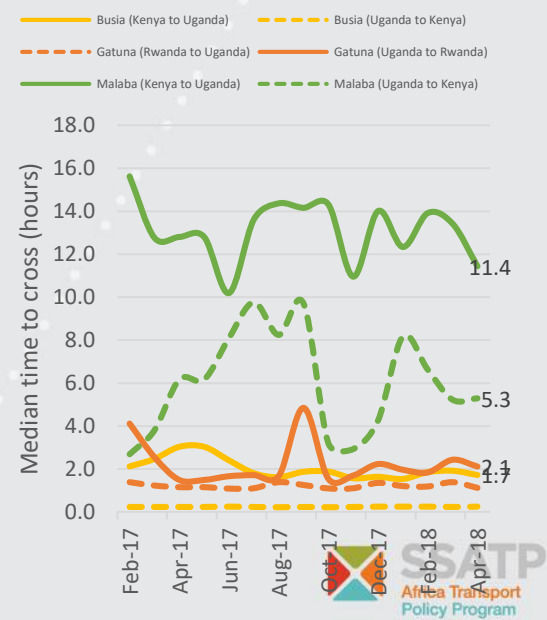
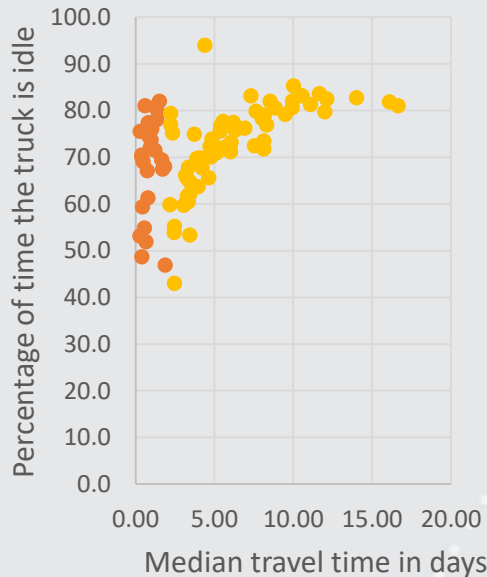
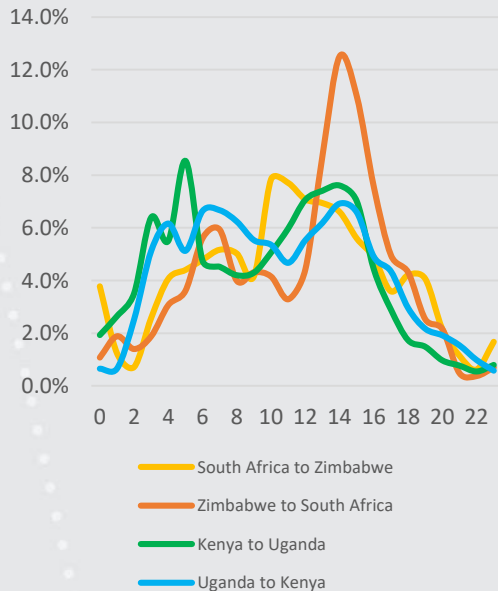


But data connects to the wider corridor and logistics agenda

- Opening borders 24/7?

- Two drivers per truck to maximize driving time?

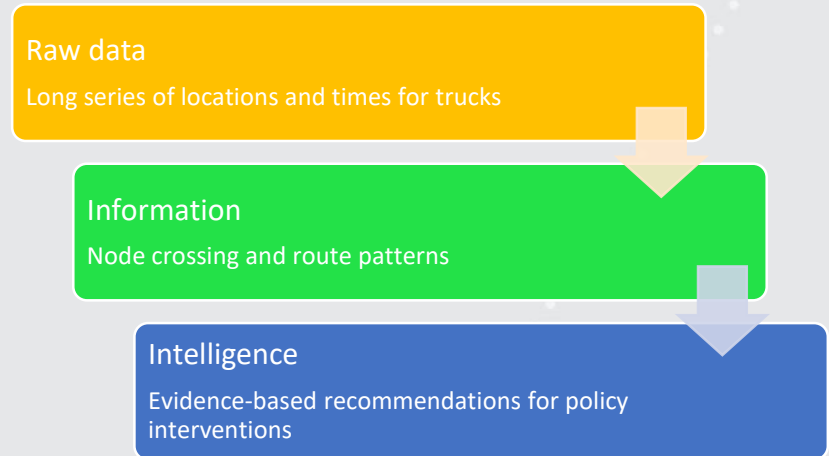
- Impact of border procedures changes?



Data is good, but it needs to be interpreted to support advocacy

- Several regional institutions have the knowledge to add value to the data:

- The trucking industry, through their regional industry federation FESARTA
- The Tripartite RECs
- The Corridors, through their African federation ACMA
- Universities
- ...



- The SSATP supported the development of the TMS until March 2018, and since, USAID Southern Africa has taken over the funding of the system
- A more sustainable solution needs to be defined jointly

Thank you
Merci



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