The power of data in planning for more accessible cities.

The importance of integrating formal and informally run public transport in emerging cities.

Yohnny Raich, Business Development at WhereIsMyTransport
Johannesburg, SA
73% OF JOBURG'S PUBLIC TRANSPORT
Network Operators

27 FORMAL OPERATORS
314 INFORMAL OPERATORS

51% CARS
35% MINIBUS
8% RAIL
5% BUS
Challenges of Public Transport

- Little integration between services, modes, technology and systems
- Inefficient operations across complex, interconnected networks
- Lack of understanding of areas of under and over supply in the city
“A city’s mobility is as much about information as it is about infrastructure.”
A little about us
Formal modes
Formal & informal modes
+98,000km of routes mapped in 10 countries
17 cities
+10m daily commuters impacted
Data collection

**Methodology**

- **Routes**: shapes, names
- **Stopping points**: location, names
- **Boarding and alighting numbers**
- **Fares and variations**
- **Frequencies**
- **Travel times**

*Output: GTFS, Shapefiles, etc.*
Data Collection
Fastest, most accurate service in emerging cities

Open Data Access
Integrated Transport Data Platform (API)

Products
Trip Planner API, collection and validation tools

Education
Advocacy, training & Capacity building
Data collection + Third-party data → Mobility Data Platform → Tools, studies, apps, research
How to start

**A few tips**

1. **Adjust your policy**
   Make sure you have a policy framework in place favourable for innovation procurement.

2. **Technology**
   We are working in the context of technology platforms & Open Data portals; governments can use these budgets for services like ours.

3. **Innovation**
   You might not have to go through a standard procurement to kick-off a project; talk to us.
Case Studies
DIGITAL GAURDJIES

The chaos of South Africa’s taxi system is being tackled with open data

By Lynsey Chutel  |  February 11, 2017  |  Quartz Africa

Mapping Cape Town's Informal Minibus Taxi Network

LINDA POON  FEB 13, 2017

How a startup mapped 657 routes, nearly 1,500m and 5,500 miles in three weeks.

On any given day in South Africa’s cities the taxi system can be chaotic and unpredictable. A new open platform hopes to bring some order to that—on paper, anyway. But it’s not so easy to see in the flesh. 

It’s easy to miss Nyanga, one of Cape Town’s oldest black neighborhoods, on a map of the South African city. Nyanga doesn’t show up on the city’s official MyCiTi Bus Rapid Transit routes; it’s easily overlooked on tourism maps, too. Unless you zoom way in on Google Maps, the town is unlabeled.
- **Open Reblock** is a digital platform for informal neighbourhood development.

- The team uses our data platform to illustrate **the existing connections within and between the community and the city**.

ACCESS: FORMAL

ACCESS: FORMAL
ACCESS: FORMAL & INFORMAL
Expanding to emerging cities globally
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