



WORLD
RESOURCES
INSTITUTE | ROSS
CENTER



Digital Transport
for Africa

DIGITAL TRANSPORT FOR AFRICA

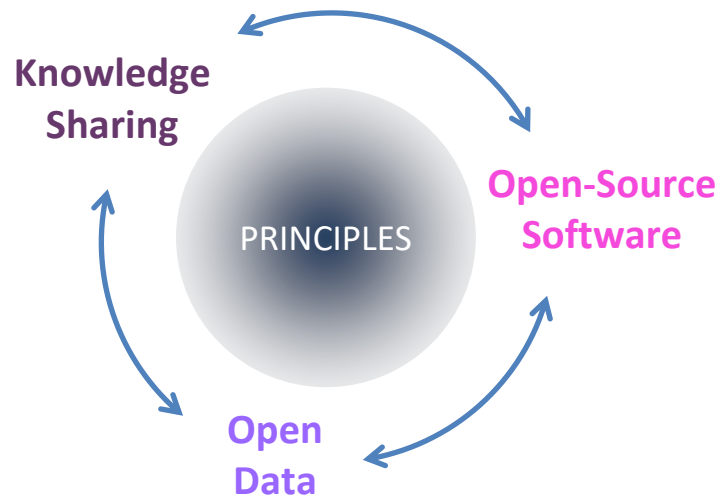
A COLLABORATIVE CONTINENTAL TRANSIT MAPPING EFFORT

AGENDA

- Digital Transport for Africa (DT4A)
- Transit Data Collection: Challenges and Opportunities
- The Way Forward

DIGITAL TRANSPORT FOR AFRICA (DT4A)

A collaborative **digital commons** and **global network** to scale up and support urban mobility projects



Partners



Consortium Partners



DIGITAL TRANSPORT FOR AFRICA (DT4A)

The DT4A Website

<https://digitaltransport4africa.org/>



A Resource Center for All

Africa is a vibrant, diverse, and rapidly growing continent. To meet the needs of its growing urban populations, transport systems must be safe, affordable, accessible, and sustainable for all. Fundamentally, for urban and healthy African cities. Most African cities rely on some form of semi-formal transport system, often informal, dominated by fragmented private operators. These transport systems provide a main means of access for many, yet are not for the city. But there are now growing local challenges to cities, contributing to traffic congestion, pollution, and poor road safety. Digital technologies are a transformative opportunity to address these challenges. Public transport data is currently missing for planning intelligent public transport, designing passenger information systems, and working with operators to upgrade formal services. With this, DigitalTransport4Africa was born. We are a collaborative digital commons and global community that scales up and supports urban mobility projects through open data and peer-to-peer knowledge sharing.

Our Global Mapping Community



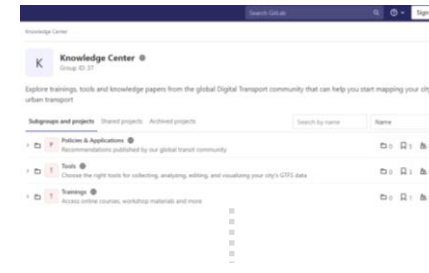
News



The DT4A Blog



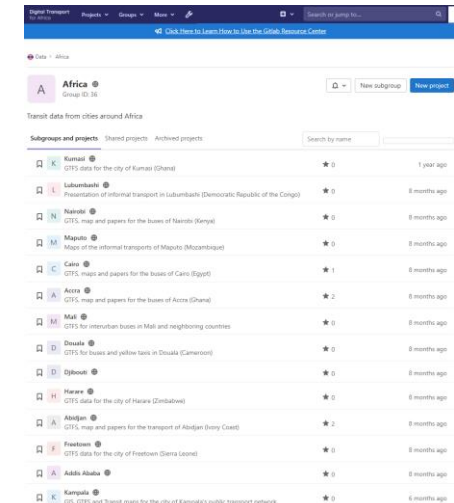
The DT4A Knowledge Center



- Policies & Applications
- Tools
- Trainings

Gitlab Repository

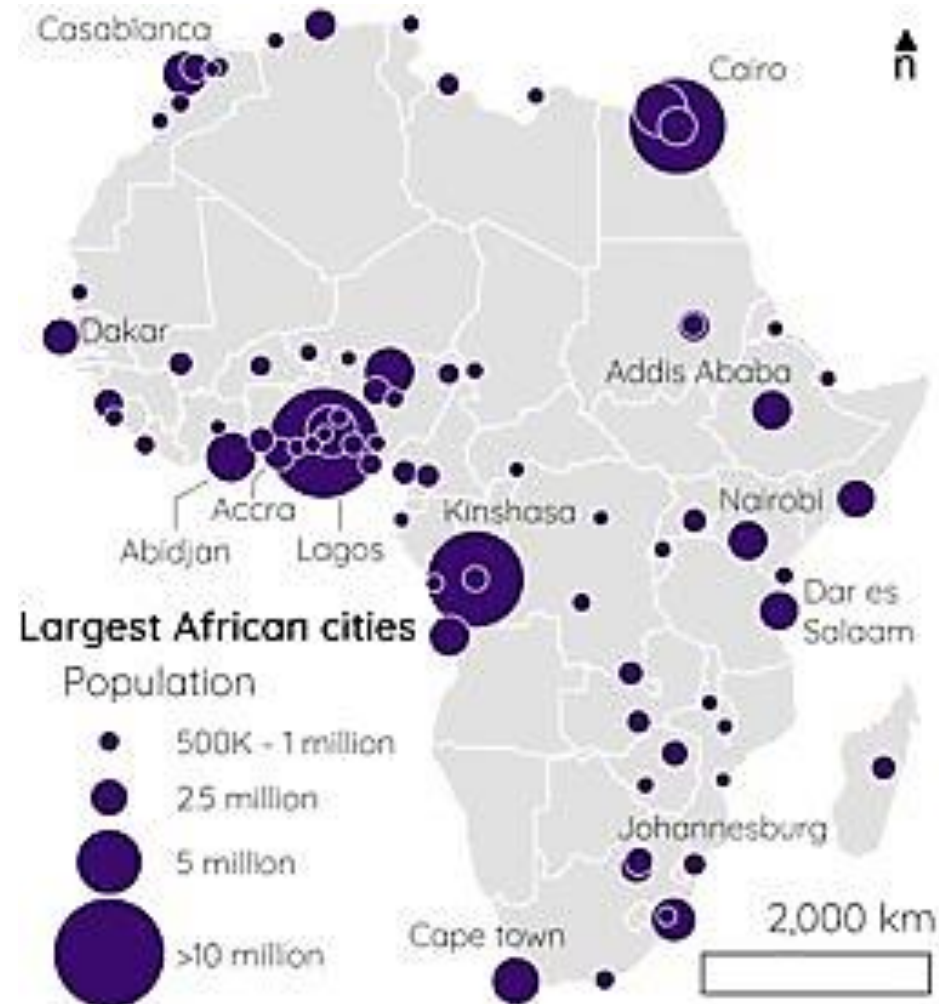
<https://git.digitaltransport4africa.org/data>



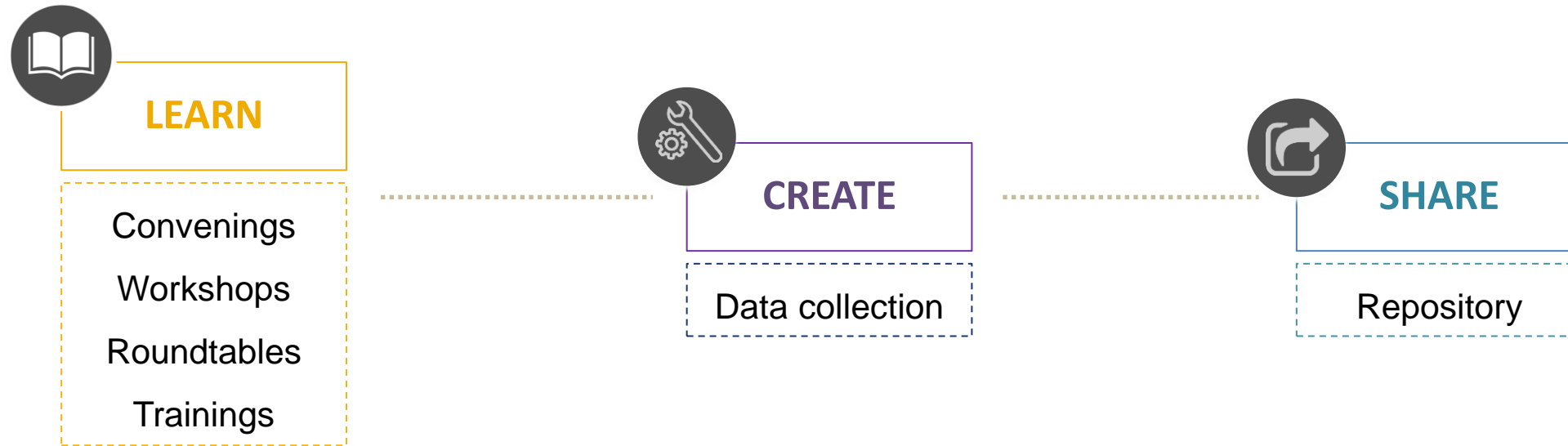
Gitlab Sites

DIGITAL TRANSPORT FOR AFRICA (DT4A)

Our Gitlab Repository



DIGITAL TRANSPORT FOR AFRICA (DT4A)



WE ARE **NOT** DOING THIS ALONE !



Cities



Private
Enterprises



Universities

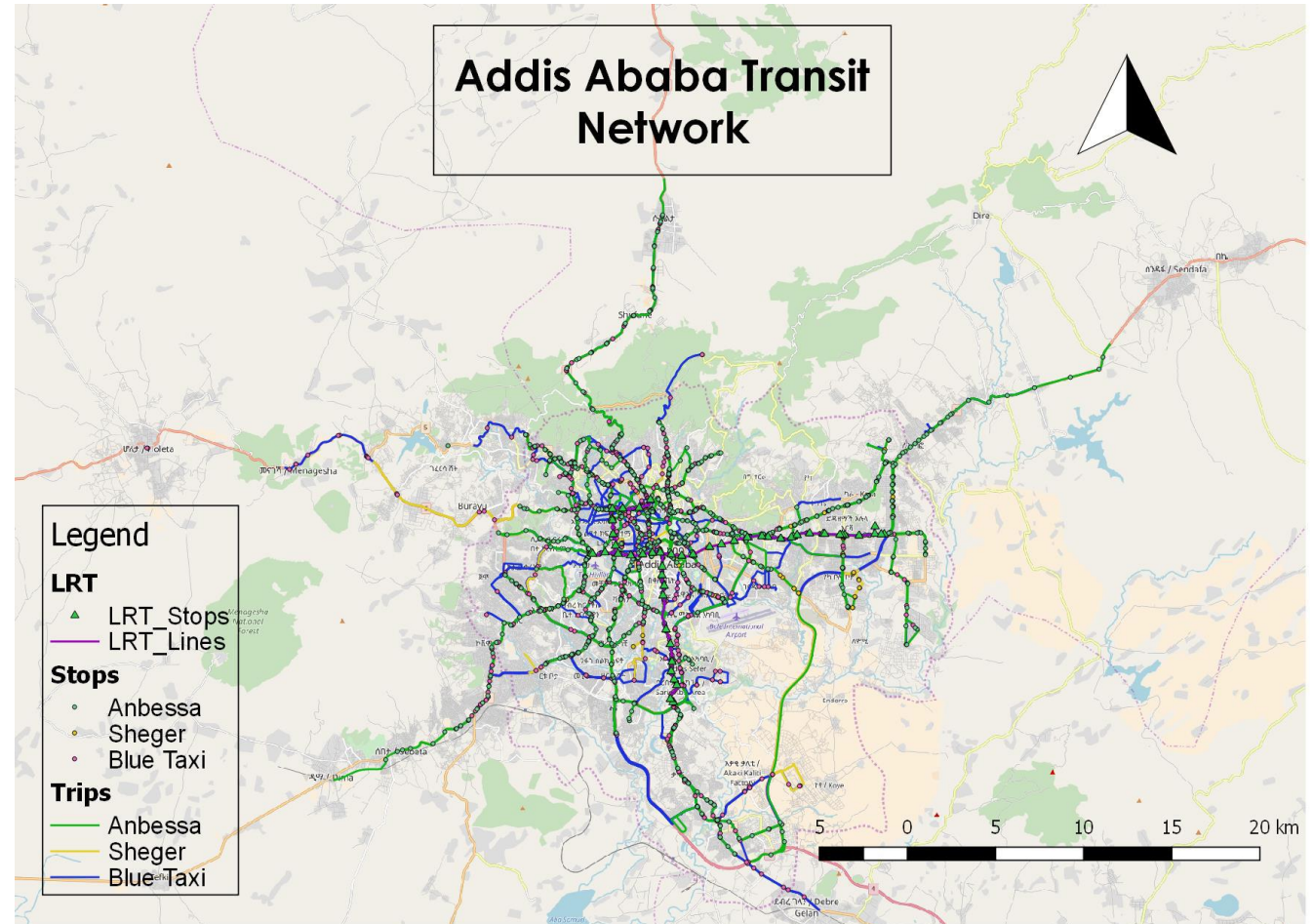
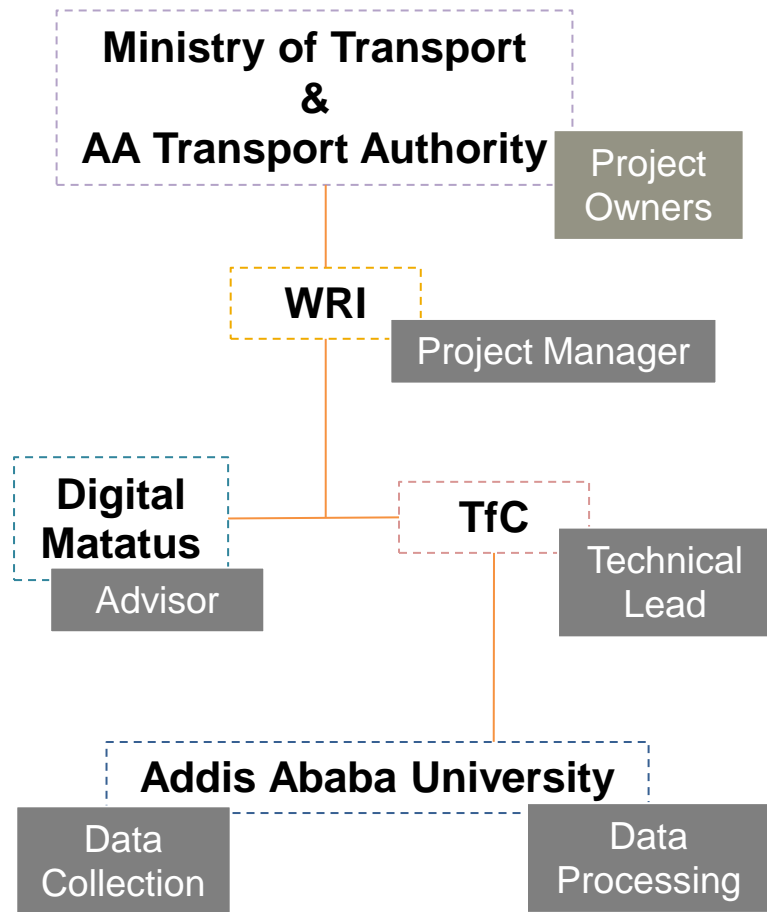


Local Mapping
Communities

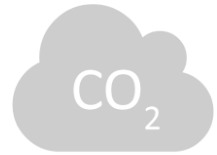


DIGITAL TRANSPORT FOR AFRICA (DT4A)

Addis Ababa Transit Mapping Project - 2017



WHY...?



Emission From Oil [2]

↑ 30%

545.4 MtCO₂e/yr - 2012

704.5 MtCO₂e/yr - 2020



Africa has the highest rate of road fatalities in any region in the world

Share of Pedestrian Fatalities

Addis Ababa > 80%

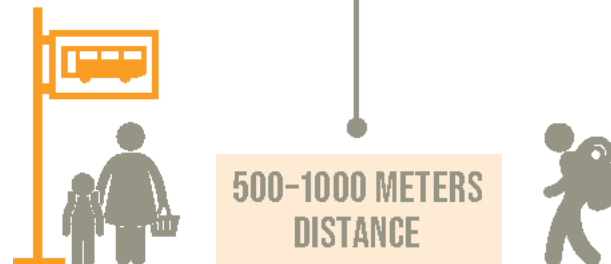
Accra & Nairobi > 60%

How far are from SDG targets?



MAKE CITIES AND HUMAN SETTLEMENTS INCLUSIVE,
SAFE, RESILIENT AND SUSTAINABLE

ONLY HALF
THE WORLD'S URBAN
POPULATION HAS
CONVENIENT ACCESS
TO PUBLIC TRANSPORT
[2019]



Target 11.2

“By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all”

Indicator 11.2.1

Proportion of population that has **convenient access to public transport**, by sex, age and persons with disabilities

[1] Jamal Saghir, “Urbanization in Sub-Saharan Africa,” CSIS (April 2018), <https://www.csis.org/analysis/urbanization-sub-saharan-africa>#targetText=Sub%2DSaharan%20Africa%20(SSA),to%2020.2%20percent%20by%202050.

[2] <https://www.wri.org/insights/everything-you-need-know-about-fastest-growing-source-global-emissions-transport>

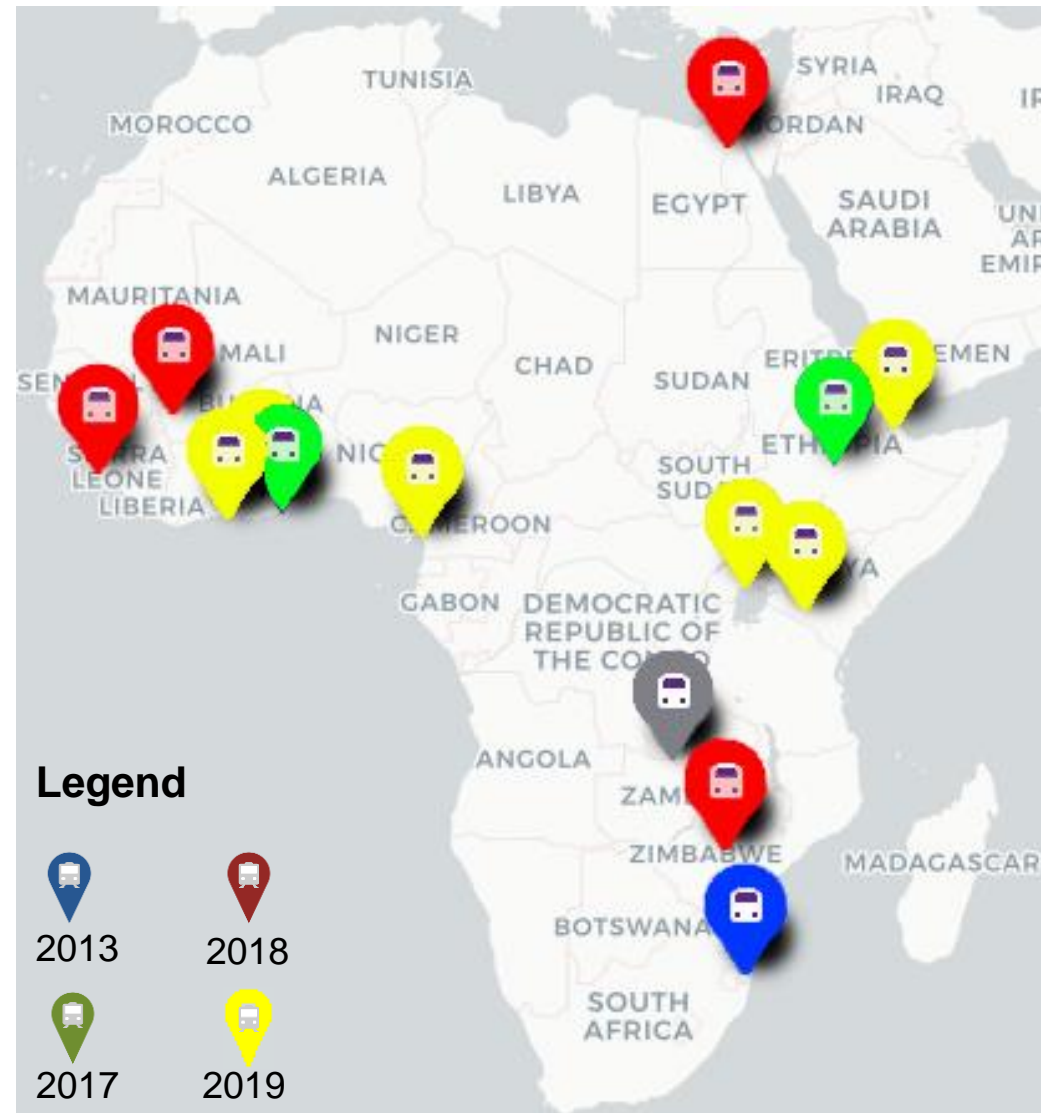


TRANSIT DATA COLLECTION: CHALLENGES AND OPPORTUNITIES

CHALLENGES

Sustainability Of Transit Mapping

Projects & Updating Datasets



TRANSIT DATA COLLECTION: CHALLENGES AND OPPORTUNITIES

CHALLENGES

Sharing / Uploading of Data Onto
The Resource Center

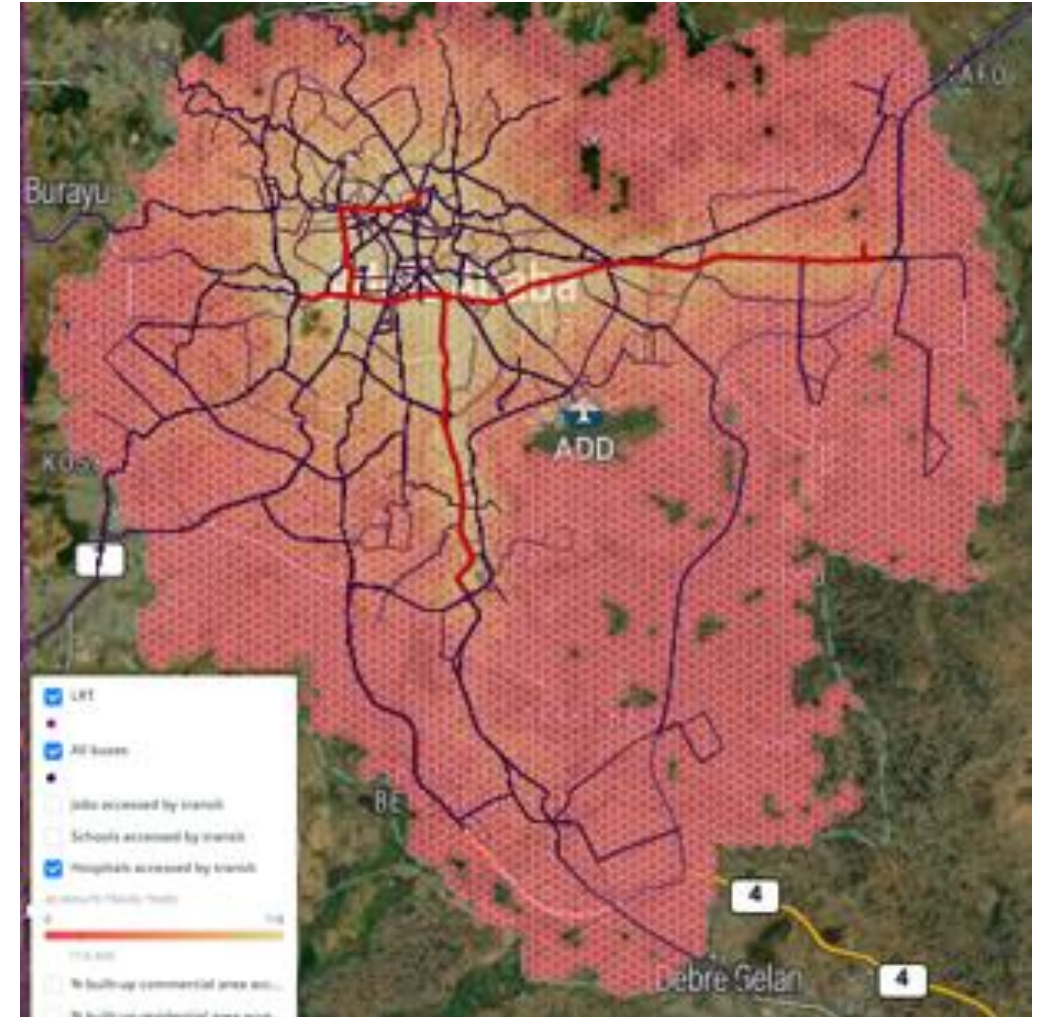
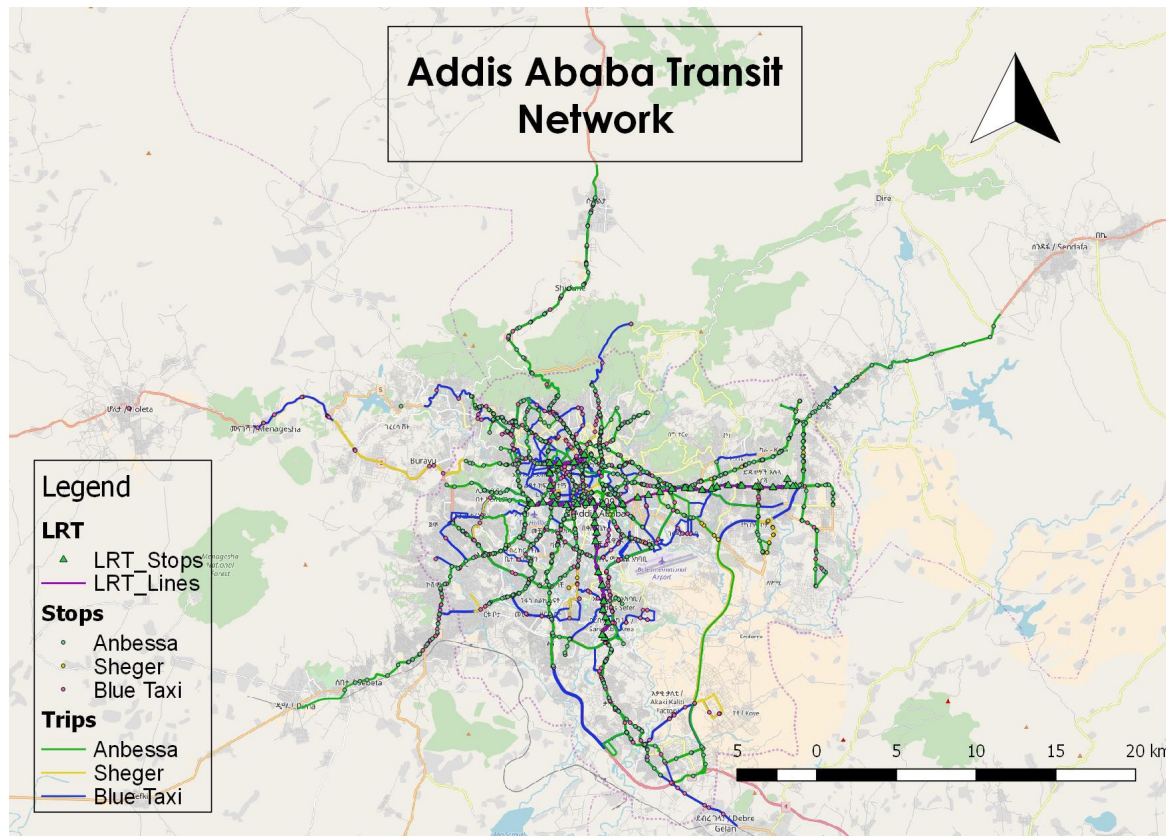


TRANSIT DATA COLLECTION: CHALLENGES AND OPPORTUNITIES

CHALLENGES

Uptake & Use of Transit Data;

Need To Go Beyond Mapping



TRANSIT DATA COLLECTION: CHALLENGES AND OPPORTUNITIES

CHALLENGES

Visibility & Utilization of

The DT4A Website, Knowledge Center & Repository



Sessions 896 ↑ 11% vs. Previous 30 Days	Pageviews 1314 ↑ 18% vs. Previous 30 Days	Avg. Session Duration 1m 9s ↑ 65% vs. Previous 30 Days	Bounce Rate 78.91% ↓ -5% vs. Previous 30 Days
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Top 10 Countries

1. France
2. United States
3. United Kingdom
4. Cote d'Ivoire
5. Germany
6. South Africa
7. Belgium
8. Ethiopia
9. Australia
10. India

TRANSIT DATA COLLECTION: CHALLENGES AND OPPORTUNITIES

OPPORTUNITIES

Authorities & Policy Makers

- Interest from local authorities and cities for transit data and its uses
- SDG and Decarbonization

Operators

- Lessons Learned from COVID-19 and its impact on cities and transportation systems; opportunities to build back better

TRANSIT DATA COLLECTION: CHALLENGES AND OPPORTUNITIES

OPPORTUNITIES

Methodologies

- Exciting tools, methodologies and research to build on
- DT4A as an existing platform with a strong consortium of dedicated and passionate partners

Funding

- Funding from AFD to support mapping and beyond
- The DT4A innovation challenge (*Launch → December*)

THE WAY FORWARD

New grant from Agence Française de Développement for three years (2021-2023)

3-4 Cities

Will Go Beyond Mapping

*Trainings, Workshops &
Convenings Targeted At*
15 Cities



At least **10 Cities**

Will Build Local Mapping Capacity

Increase the use of the
Resource Center

Partners & Active Producers of Content

The DT4A **Mini-Grant**

THE DT4A INNOVATION CHALLENGE

- 30,000 USD for 4 initiatives
- For initiatives with aim to transform transit systems in African cities

1. Tech and application development
2. Capacity building
3. Research and analysis

SAVE THE DATES



Application opens
December 7, 2021



Briefing sessions
December 14 & 16, 2021

<https://digitaltransport4africa.org/>

THANK YOU

Email: info@digitaltransport4africa.org

<https://digitaltransport4africa.org/>

