



a UNEP convened initiative

MINISTRY OF ENVIRONMENT AND SUSTAIANABLE DEVELOPMENT

EXAMPLES OF PROJECTS WITH SLCP
REDUCTION IN SENEGAL

ENHANCEMENT ON NDC3.0/ AIR QUALITY-TICAD9

NFATOU NDIAYE/ SN CCAC EXPERT

JAPAN 21/08/2025

Urban Mobility program promoting air quality: New roads and infrastructure



Building of new roads with wide sidewalks bus terminals, railway infrastructure, road safety enforcement

Reduce congestion and increase traffic speed

TRANSPORT ELECTRIC VEHICLES /AIR POLLUTION



Les taxis ont 25 ans en moyenne et beaucoup, jusqu'à 40 ans. Ils utilisent tous du carburant, sont très polluants et très inefficaces.

Les taxis sont partagés par deux chauffeurs et sont sur la route pendant 18 heures, souvent 7 jours par semaine.

les taxis sont souvent vides car ils circulent pour trouver des clients, et la demande est limitée dû à la faible qualité des vieux taxis.

> 40%

de la
pollution
totale à
Dakar.

> 46%

de la circulation dans des villes africaines comparables

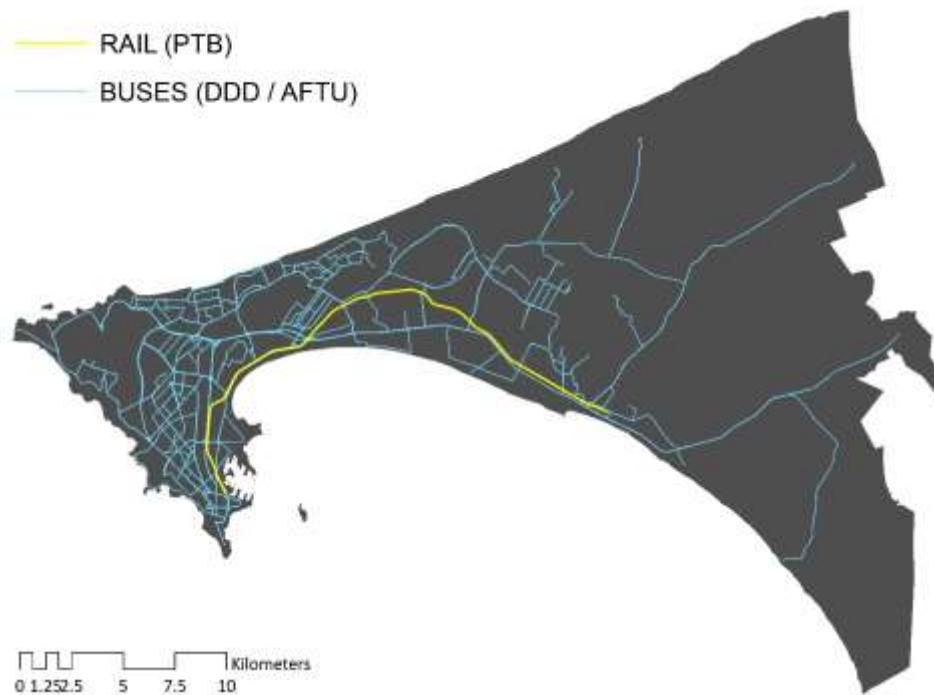
> 50%

des kilomètres parcourus sont sans passager et donc gaspillent de l'énergie.

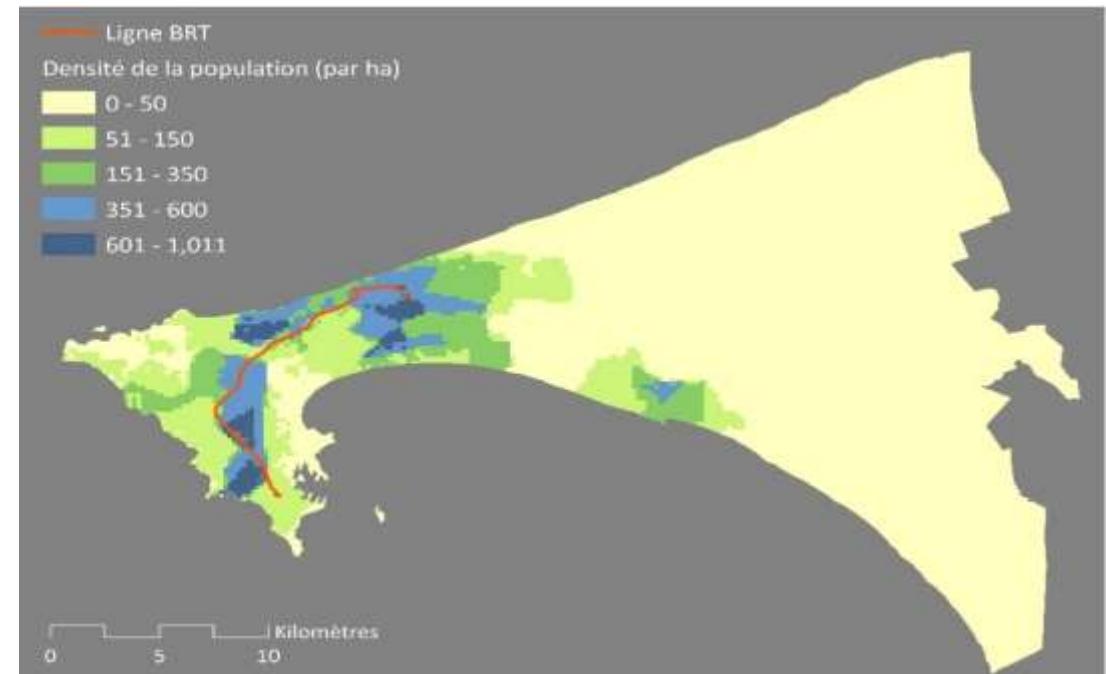


Urban Mobility program promoting air quality : The BRT project

CURRENT PUBLIC TRANSPORT NETWORK : Speeds were reduced by 10% -PHASE-DOWN OF ACCIDENTS

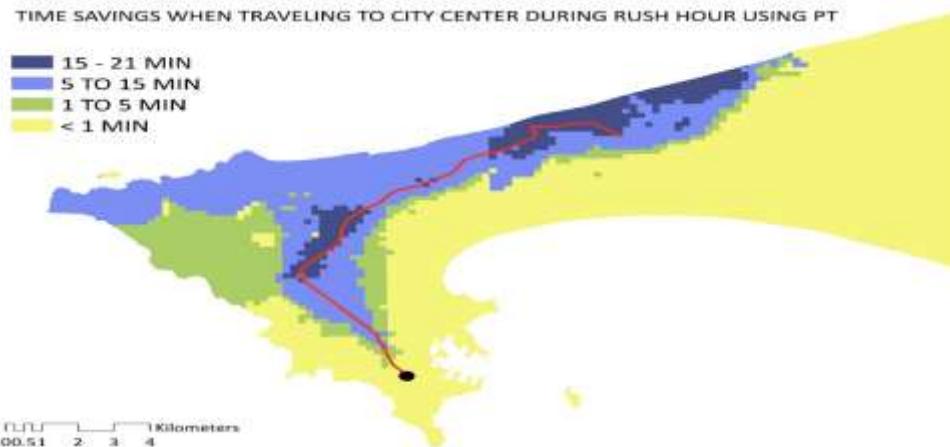


BRT suggests : Goes through most densely populated and congested areas



Perspective - main challenges

► *Promoting mass transit to improve air quality - Bus Rapid Transit (BRT) and Regional Express Train (TER)*



BRT and TER routes (source: CETUD)

Low cost-sensors will be deployed on BRT and TER corridors for impact assessment

Perspective – main challenges

Improve the air quality assessment

- Establish an Emission inventory
- Improve the modelling tools to fit local context
- Design a national Air quality action plan
- Integrate air quality and climate change /PM2,5 in NDC3.0
- Integrate the air quality data acquired by the air quality monitoring network, including both reference and low-cost sensor stations, with other global air quality data to produce assessments and forecasts of air quality in the city of Dakar.



Thank you for your attention
N Fatou NDIAYE

SENEGAL CCAC EXPERT

nadegendiaye@gmail.com

SHOW CASE SOUTH AFRICA RESPONSE TO AIR QUALITY CHALLENGES-Focusing on Priority areas

TICAD 9 THEMATIC EVENT ON AIR POLLUTION : TOKYO INTERNATIONAL CONFERENCE ON AFRICAN DEVELOPMENT - YOKOHAMA JAPAN

21 AUGUST 2025

Ms Ricca Marowe

Director: Air Quality Management services

Department of Forestry, Fisheries and the Environment-South Africa



Introduction: Air Pollution challenges in South Africa

- Economic hub of SA
- Urbanisation and informal settlements
- Increased population
- Historical challenges of mine dumps
- Increasing traffic count
- Increased illegal waste burning
- Landfill management challenges
- Veldfires



Thank You

Name: Ms Ricca Marowe

Department of Forestry, Fisheries and the Environment

Designation: Director: Air quality management services

Tel: +27 (0) 12 399 9207 | Mobile: +27 (0) 066 283 0235

Email: RMarowe@dff.e.gov.za

Website: <http://www.dffe.gov.za>

Address: The Environment House, 473 Steve Biko Road, Arcadia, Pretoria, 008

Website: <http://www.dffe.gov.za>

SAAQIS: <https://saaqis.environment.gov.za>