



CLIMATE &
CLEAN AIR
COALITION
TO REDUCE SHORT-LIVED
CLIMATE POLLUTANTS

a UNEP convened initiative

MINISTRY OF ENVIRONMENT AND SUSTAINABLE 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

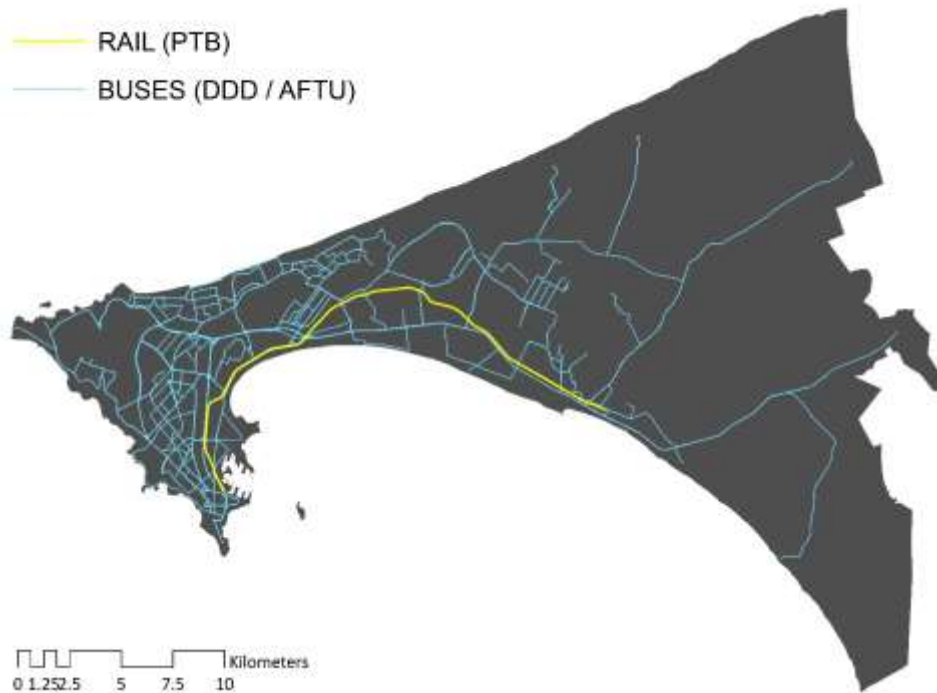


1	Les taxis ont 25 ans en moyenne et beaucoup jusqu'à 40 ans. Ils utilisent tous du carburant, sont très polluants et très inefficaces.	>	40%	de la pollution totale à Dakar
2	Les taxis sont partagés par deux chauffeurs et sont sur la route pendant 18 heures, souvent 7 jours par semaine.	>	46%	de la circulation dans des villes officielles comparables
3	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.	>	50%	des kms parcourus sont sans passager et donc gaspillent de l'énergie

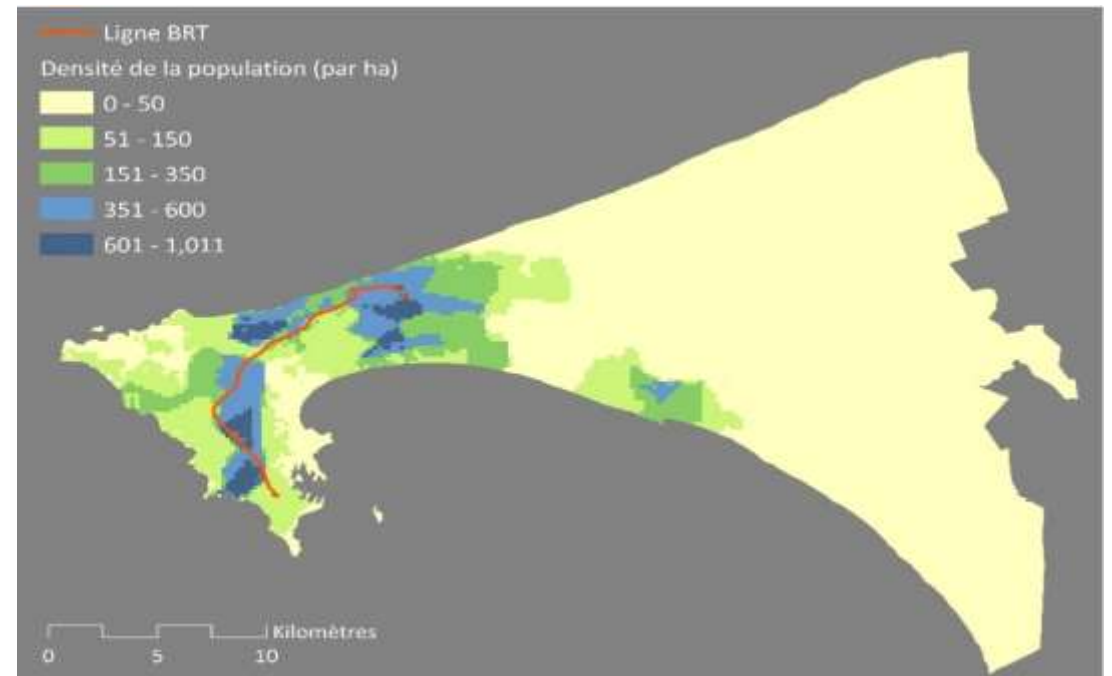


Urban Mobility program promoting air quality : The BRT project

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



BRT suggests : Goes through most densely populated and congested areas



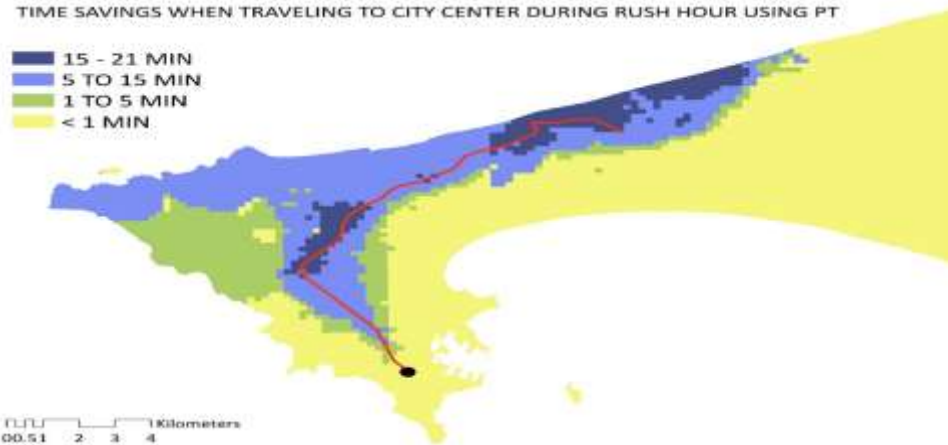
Perspective - main challenges

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



TIME SAVINGS WHEN TRAVELING TO CITY CENTER DURING RUSH HOUR USING PT

15 - 21 MIN
5 TO 15 MIN
1 TO 5 MIN
< 1 MIN



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

BRT and TER routes (source: CETUD)

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

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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

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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

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