

Promoting Sustainable Urban Mobility

An integrated approach

Africa Clean Mobility Week 2018

by Urda Eichhorst, 16.03.2018
Transport and Climate Change Advisor

On behalf of



Federal Ministry for the
Environment, Nature Conservation,
Building and Nuclear Safety

On behalf of



Federal Ministry
for Economic Cooperation
and Development

GIZ worldwide

- GIZ's purpose is to promote international cooperation for sustainable development.
- GIZ is a 100% federally owned, public-benefit enterprise.
- GIZ operates in more than 130 countries worldwide with an annual turnover of more than 3 billion EUR
- GIZ employs approximately 20,000 staff members worldwide
- GIZ is active in a variety of sectors, including e.g. education; health care; agriculture; infrastructure (water, energy, transport)
- In transport we promote sustainable mobility worldwide to harness societal benefits, such as access to jobs, clean air and economic development, to improve quality of life and to limit global warming.



Urban population of 4 billion
+68million/a - developing countries contribute 91% of this growth



Urban transport is responsible for more than half of global land transport CO₂ emissions (ITF, 2017)



10-25% of urban areas are taken by road transportation infrastructure -
A lot of space for cars but...





© Lloyd Wright 2004-2006

...where is the space for people?



Carlos F. Barbo © 2007



People love to move, travel, discover...
in different ways and by various modes...



AVOID



1. Planning dense and human scale cities



2. Developing transit-oriented cities



3. Optimizing the road network and its use



4. Implementing transit improvements

SHIFT



7. Managing parking

6. Controlling vehicle-use



8. Promoting clean vehicles



5. Encouraging walking and cycling

IMPROVE



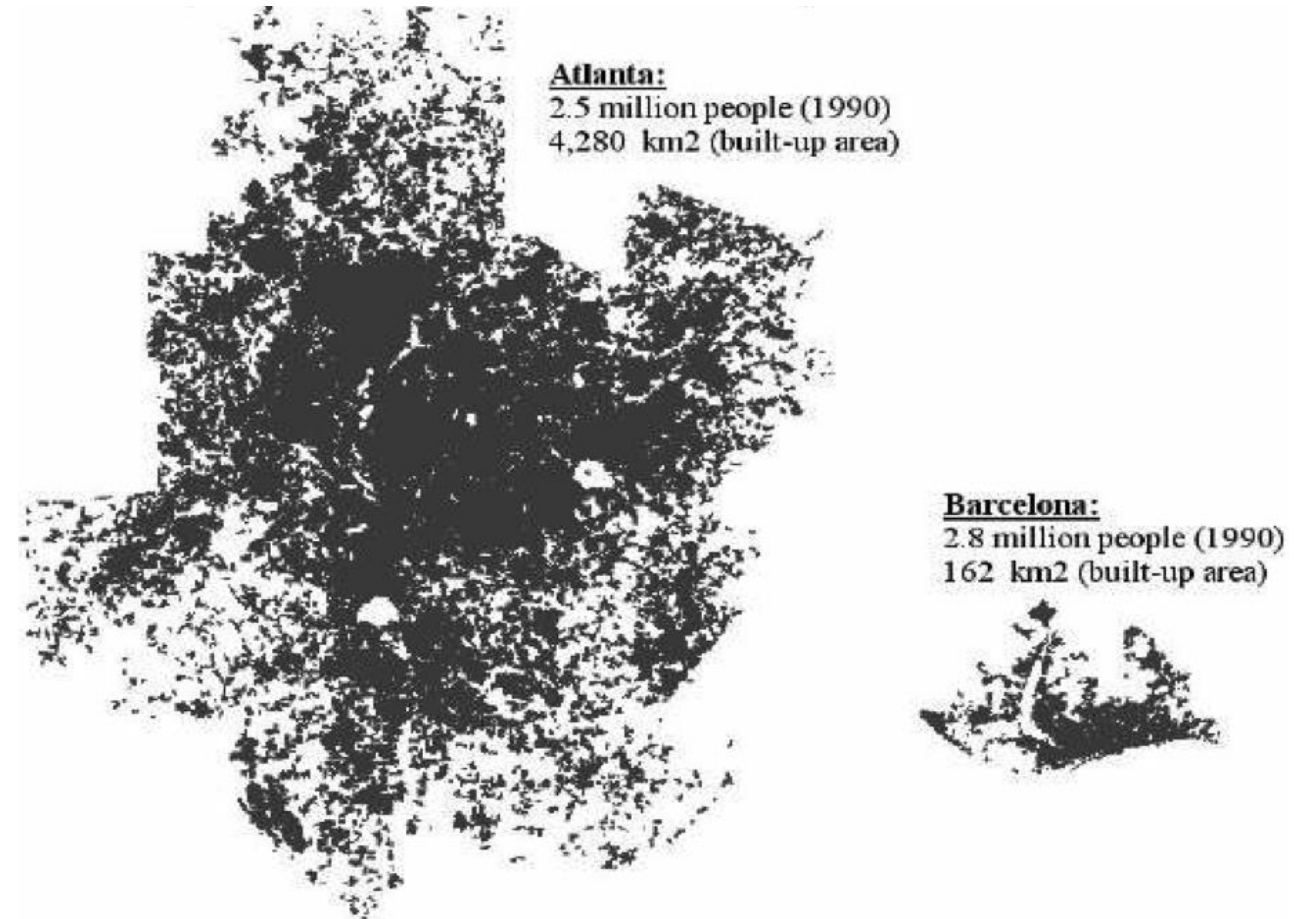
9. Communicating solutions



10. Approaching the challenges comprehensively

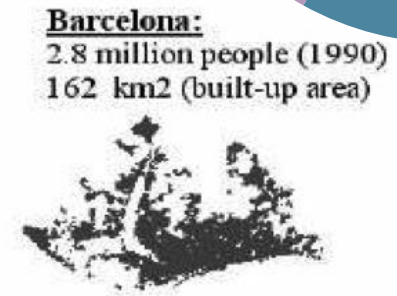
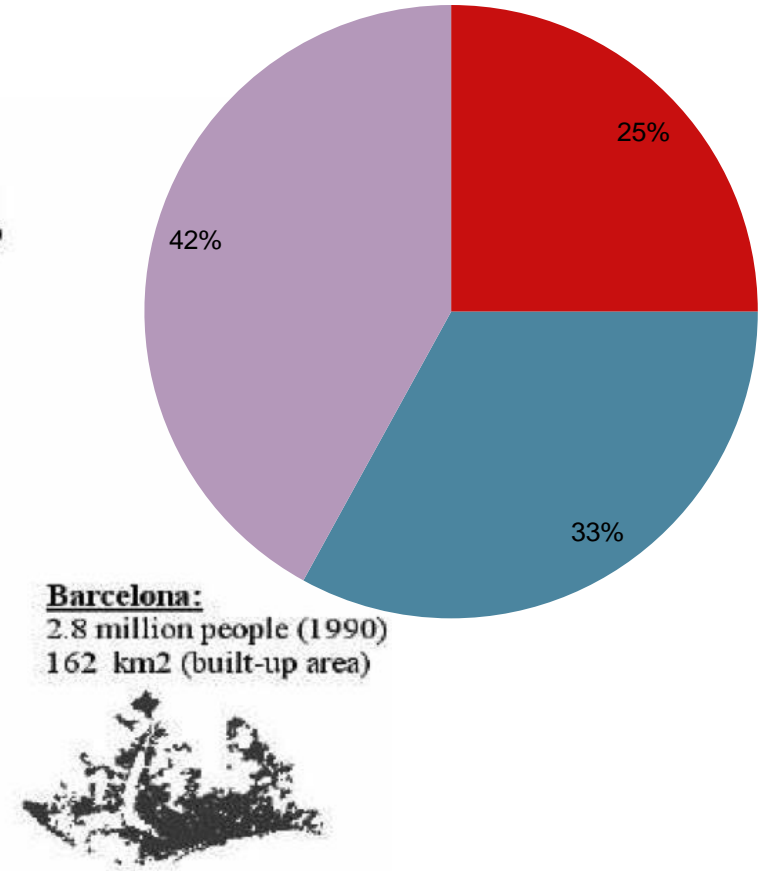
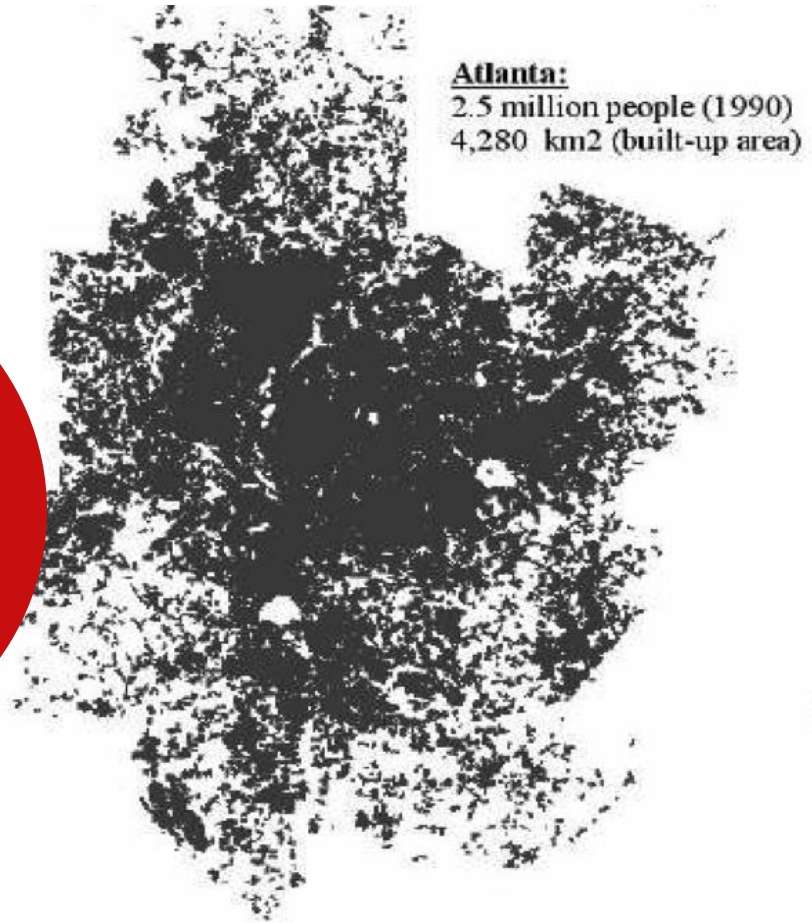
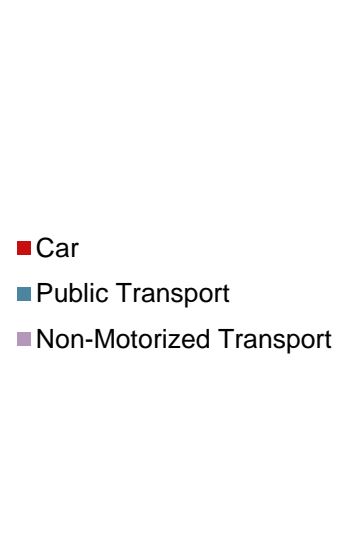
Avoid: Built-up area of Atlanta and Barcelona

At same scale:



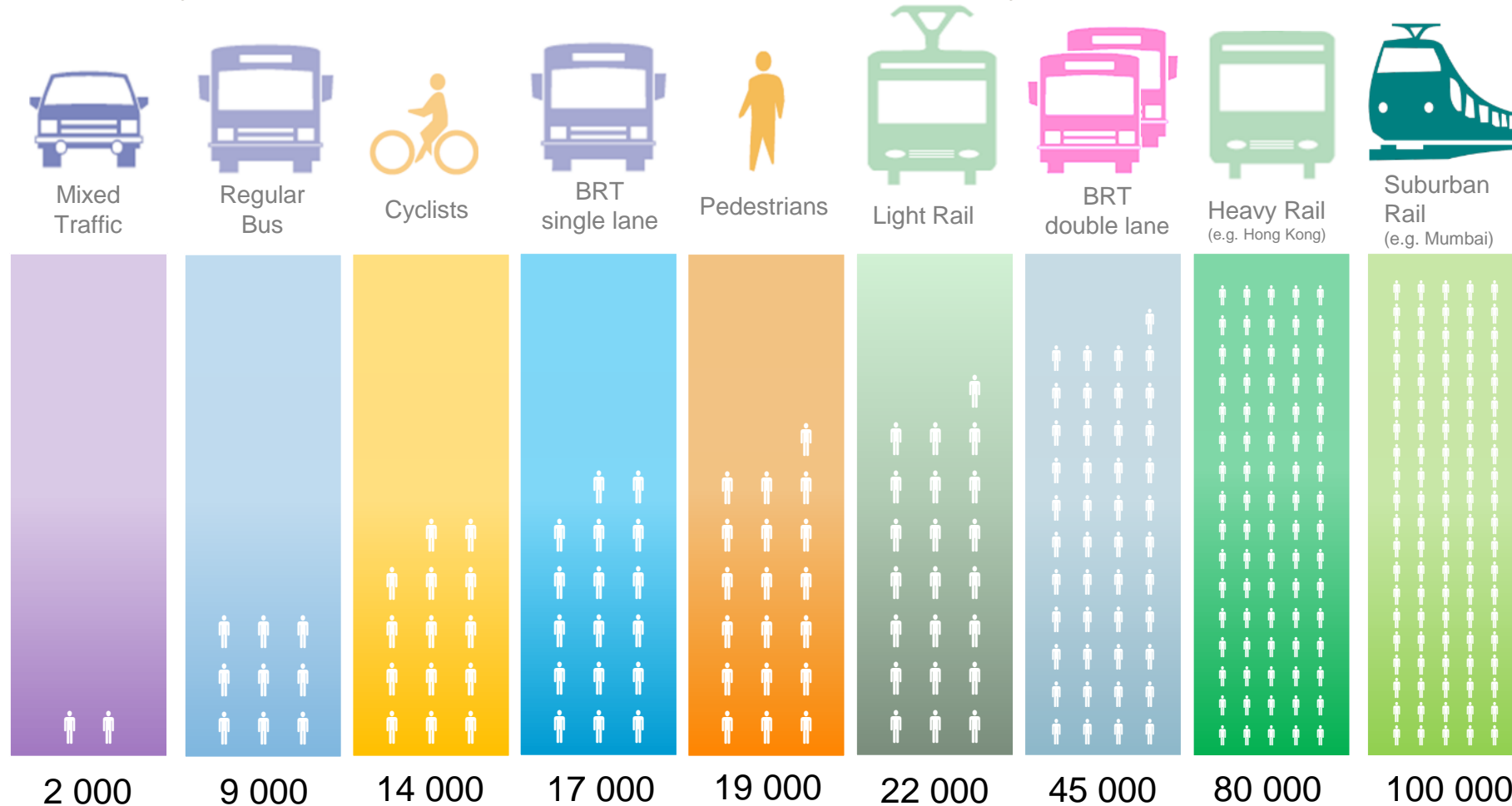
Avoid: Built-up area of Atlanta and Barcelona

At same scale:



Shift: Make best use of valuable space...

Corridor capacity: people per hour on 3.5 m wide lane in the city - pphpd



...and save emissions (and travel time)



Average
annual CO_{2eq}
savings
35,497t

Johannesburg Rea Vaya



Average
annual CO_{2eq}
savings
86,000t

Guangzhou BRT, China



Average
annual CO_{2eq}
savings 60-
80k t

Bogotá Transmilenio



Average
annual CO_{2eq}
savings
38,000t

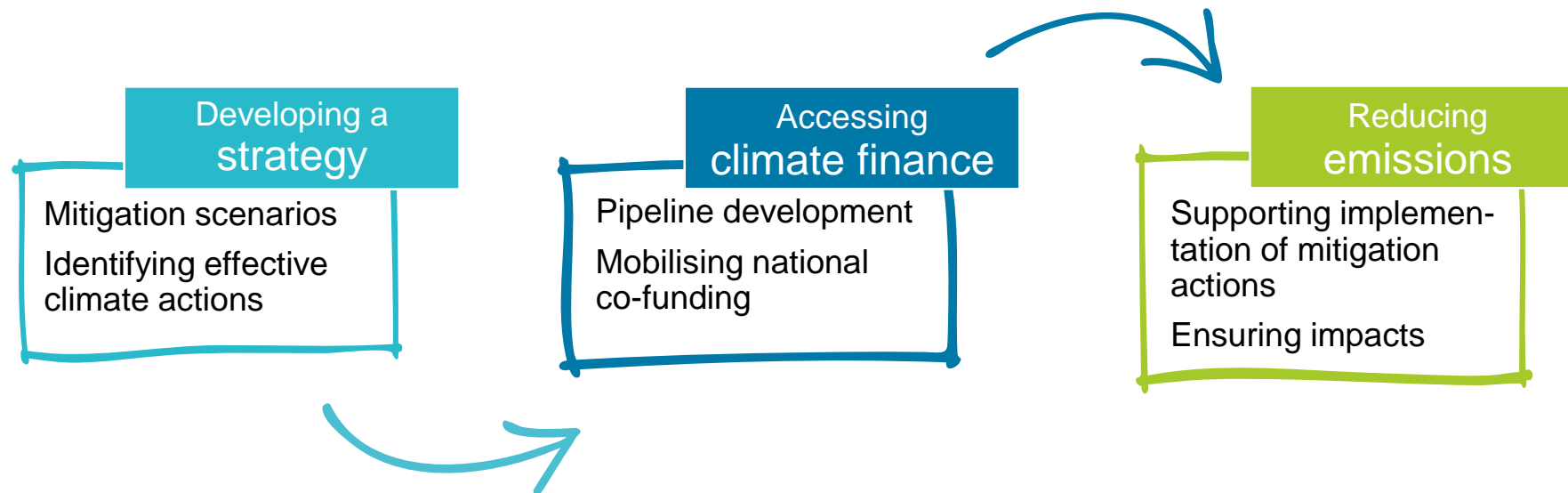
Fuzhou China BRT

Changing Transport

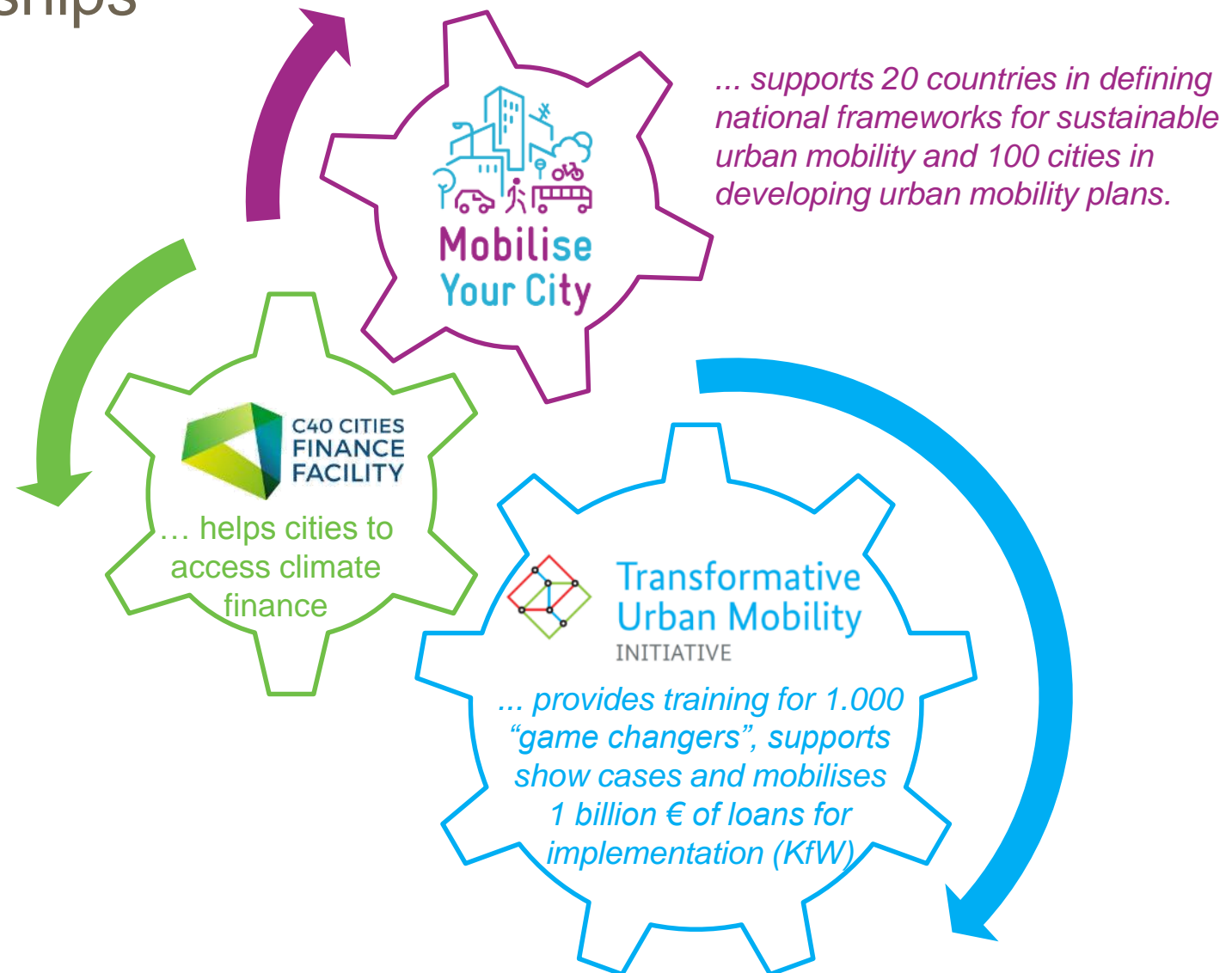
Facilitating climate actions in mobility

As GIZ transport we train, consult and connect our partners regarding issues of:

- **Implementing climate actions**, including policy design and technical assistance
- **Monitoring and reporting** transport data & emissions
- **Financing** sustainable transport developments



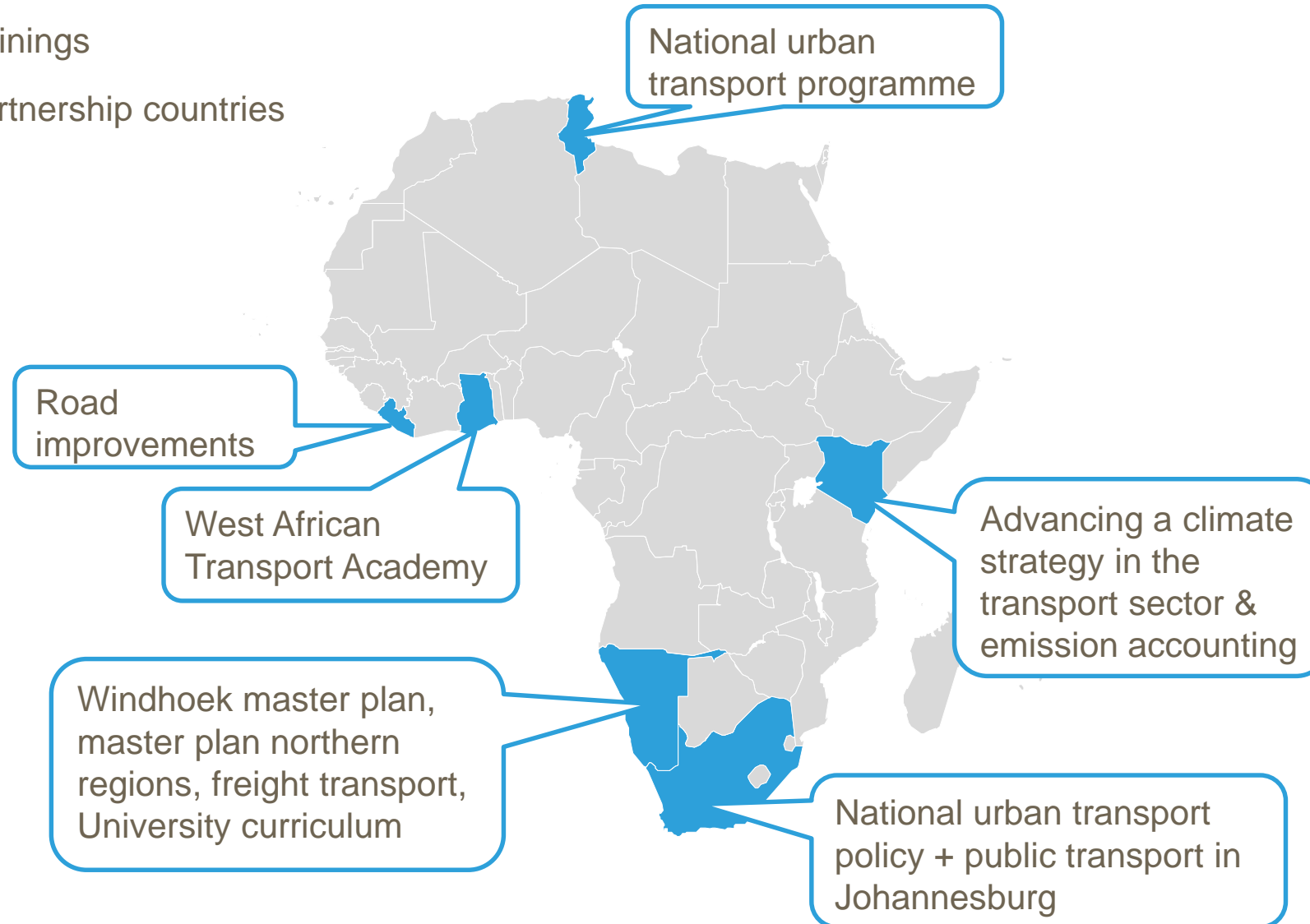
Upscaling sustainable urban mobility through international partnerships



GIZ transport portfolio in Africa

+ additional trainings

+ additional partnership countries



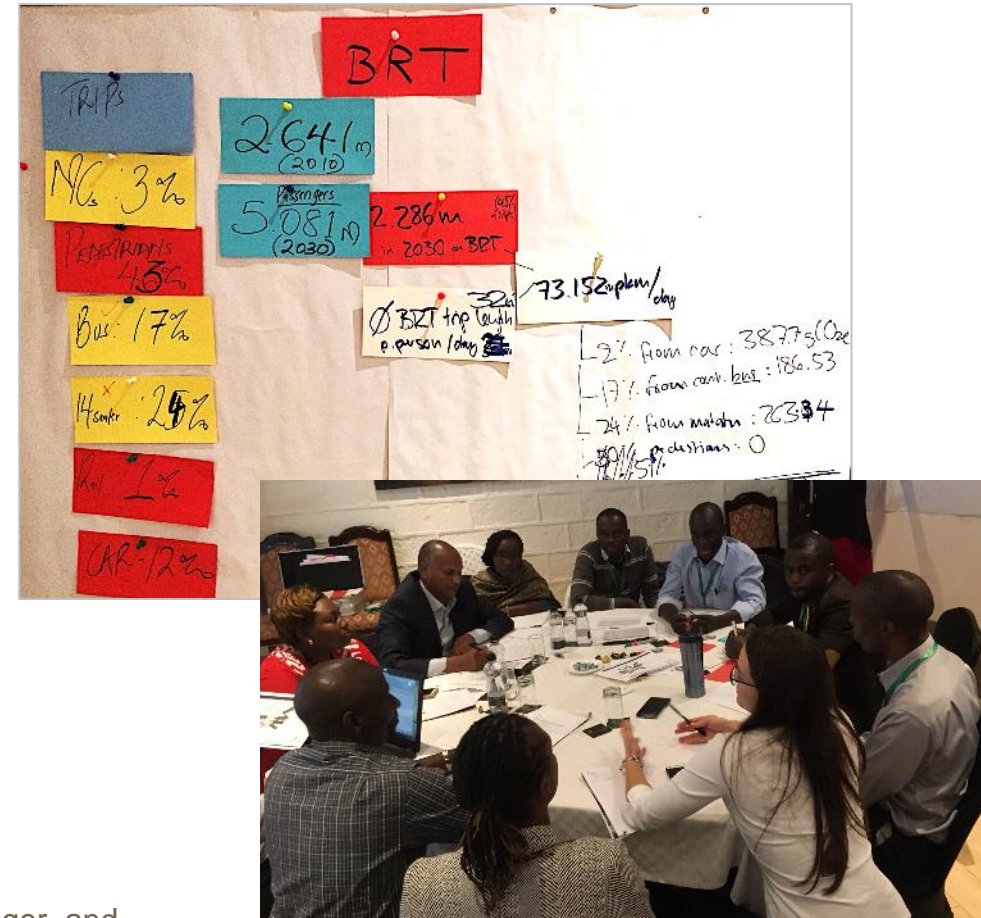
Capacity development on emission quantification



http://mobiliseyourcity.net/wp-content/uploads/sites/2/2017/09/MobiliseYourCity_MRV_Approach.pdf



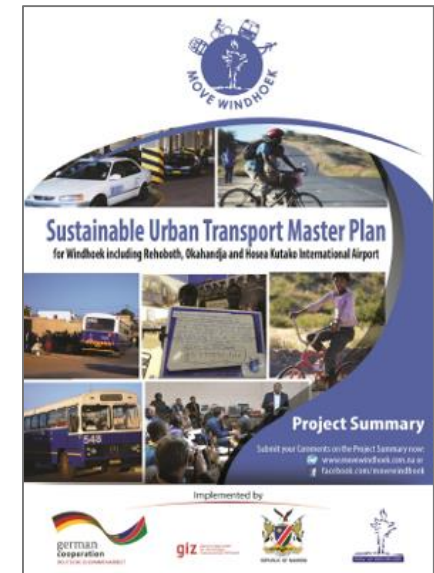
https://www.changing-transport.org/wp-content/uploads/2018_Compndium_Passenger_and_Freight_Transport_Volume.pdf



Example: Sustainable Transport in Namibia

Results so far:

- Development of a sustainable urban transport masterplan with City of Windhoek – active stakeholder engagement
- Purchase of 24 new busses
- Process of Master Plan Development for Northern Regions has been initiated
- Development of an NMT strategy
- More than 500 civil engineering students
- More than 25% of enrolled students are women



Training: Integrated Urban Transport Systems, Cairo

- This workshop brought together transport experts from Jordan, Lebanon, Morocco, Oman, Palestine, Tunisia and of course Egypt to support them in their efforts in making their transport systems more sustainable and to emphasize, that roads for cars are not a sign of development.
- Participants : 65
- Implemented by: GIZ, Islamic Development Bank

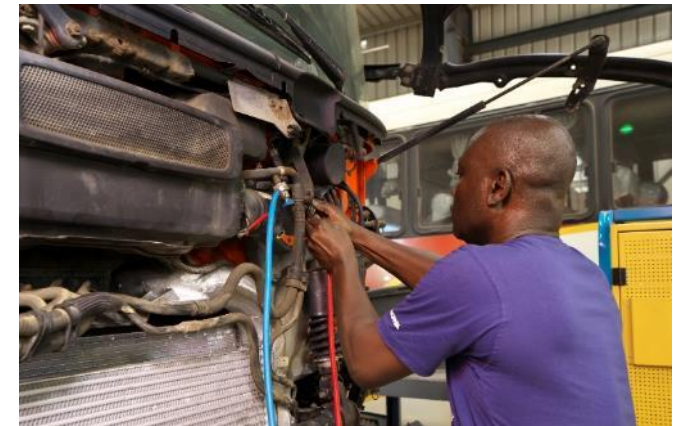


West African Transport Academy

- Foundation of West African Transport Academy
- Training of 600 bus drivers – at least 10% of them women
- Training of mechanics

Results so far:

- 75 heavy-duty mechanics employed & 600 former 'tro-tro' undergo training and are employed as city-bus drivers
- The Transport Academy makes enough revenue to sustainably cover its running costs
- Cooperation with Scania



Going new ways: TUMI Hackathon Nairobi



Transformative
Urban Mobility
INITIATIVE

- Major event with Facebook and WhereIsMyTransport in Nairobi: **6-8 April 2018**
- Teams of programmers, engineers, designers and business minds will join forces to build a new product in the sustainable mobility space in just 48hrs
- Present it on stage to a panel of expert judges and an audience for a variety of prizes
- Building market based solutions by tackling market barriers assessing market impact and targeting financial sustainability



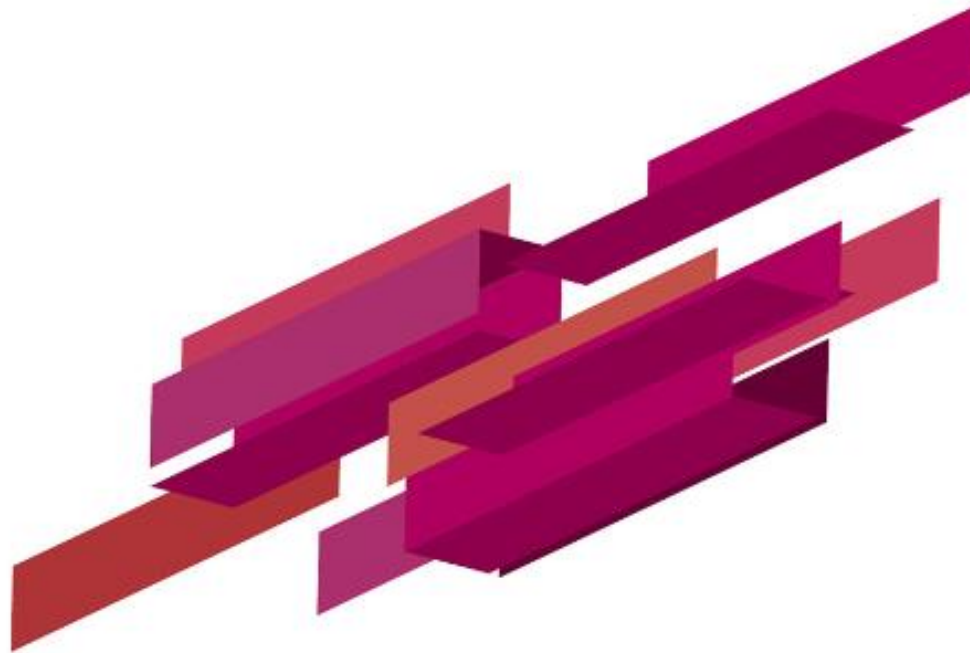
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<http://womenmobilize.org/>

Contact: women@transformative-mobility.org

giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH

 Transformative
Urban Mobility
INITIATIVE



Women Mobilize Women

Transforming Mobility
through Female
Empowerment

22 May 2018,
International Transport Forum,
Leipzig, Germany

THANK
YOU!

Urban
Cycling
Institute

Cycling Professor
@fietsprofessor



Following

The argument that your city is not like Amsterdam is invalid. Neither was Amsterdam; it took long, radical effort



RETWEETS
8,865

FAVORITES
5,202

