

## Agenda



- 1. The Transformative Urban Mobility Initiative (TUMI)
- 2 10 Principles for Sustainable Urban Mobility
- Best practices: The TUMI Challenge
  - Nigeria: Sidewalk Challenge Improving walkability in Lagos
  - South Africa: Open Streets Cape Town
  - Colombia: "I Move Safely" Project in Bogotá



## The Transformative Urban Mobility Initiative (TUMI)



## **Unsustainable Transport Dynamics**

28% of global carbon emissions

**61%** of global oil demand

Doubling of emissions till **2050** [under BAU Scenarios]

More than **10** billion trips per day

[urban share rapidly increasing]



## The Global Urban Mobility Opportunity





## **3 Global Trends which:**

- Have a major influence on social, environmental and economic landscape over next decade
- Permeate across all sectors of economy and society
- Showing strong links to other megatrends, fundamentally disrupt industries and shape societies

Non-Motorized Transport & Public Transport

Digitalization & Data Based Decision Making

Electrification of Transport





## The TUMI Partnership

























## TUMI - A 3D Approach to Urban Mobility

## Innovation Projects



- Supporting innovative fast-moving projects with measurable impacts
- Scalable and replicable solutions for sustainable urban mobility

\*\*Enowledge +2000 Urban Leaders



- Ambitious training initiative
- Supporting leaders in transformation processes
- Learning, networking, reflecting
- Promoting partnerships

## Financial Support Financing



Mobilization of more than EUR

1 billion by KfW in cooperation
with other donors





## **Knowledge & Know-How** Scale up urban mobility

### **Capacity Building**

we train urban practitioners and decision makers in sustainable mobility

- Goal: more than 2000 sustainable mobility practitioners and decision makers trained
- Various training formats
- +2 Million € invested
- 2000 people trained (2019)





























# 10 Principles for Sustainable Urban Mobility

### 10 PRINCIPLES FOR SUSTAINABLE URBAN TRANSPORT





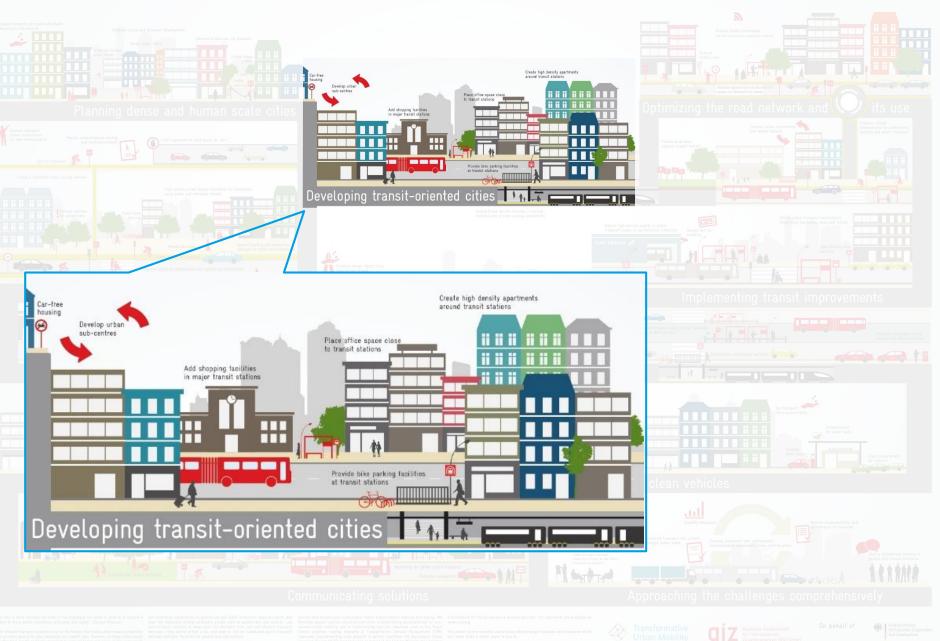






## in ony sentres Planning dense and human scale cities Support projects to create affordable housing in city centres Integrate urban and transport development Develop mixed-use city quarters Small urban fabric Create urban Develop urban sub-centres Planning dense and human scale cities







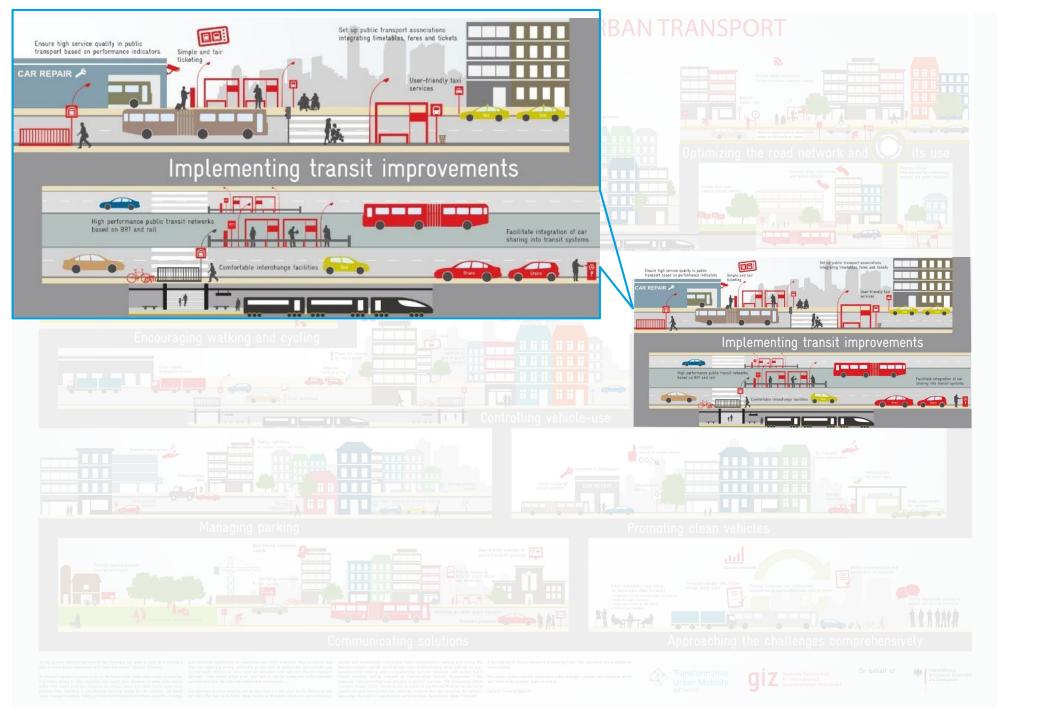






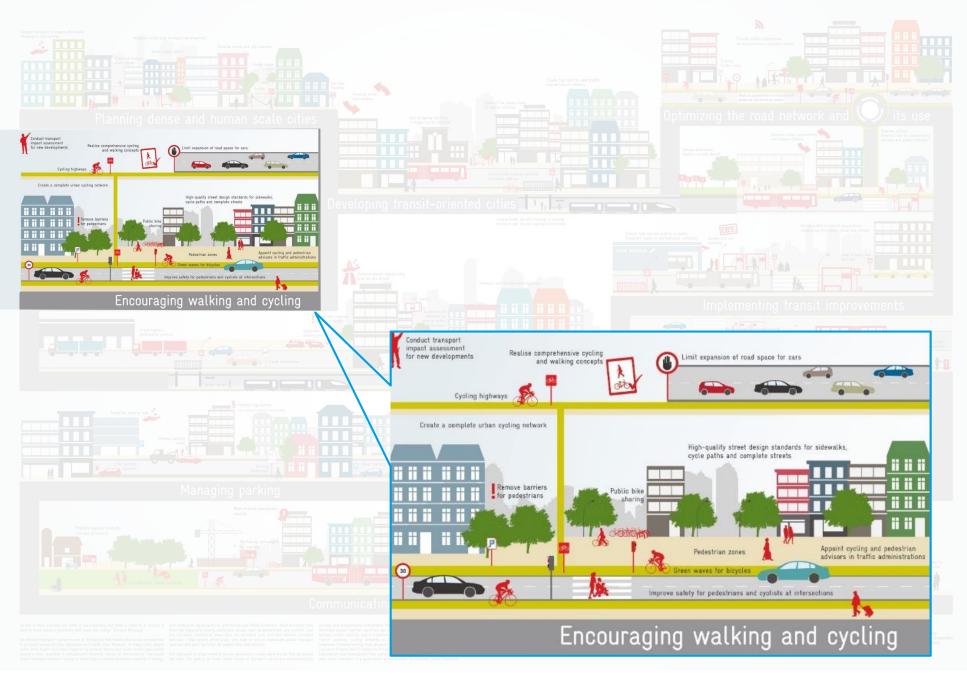
## Optimizing the road network and its use 3 Provide traffic information (an-time performance, congestion, parking) Enforce traffic rutes Reduce speed limit in residential areas to 30 km/h or lower Optimizing the road network and its use Improve critical intersections for pedestrians, cyclists and public transport Enhance urban connectivity and reduce detours Ensure land value capture around transit







#### 10 PRINCIPLES FOR SUSTAINABLE URBAN TRANSPORT







# Best practices: The TUMI Challenge



## Nigeria: Sidewalk Challenge - Improving walkability in Lagos

Connecting the city's facilities and infrastructure, for letting children reach school more safely.

### Aim of the project:

• Construct new and upgrade sidewalks in the heart of the metropolis which will improve walkability and liveability.

#### Components:

Walkability assessment through self-developed app

• Construction of 400m of sidewalk to close missing links between bus station, school and hospital and improve existing intersection

#### **Road Safety aspects:**

- Show road-safety hot spots through mapping
- Creation of safe infrastructure
- Speed reduction
- Sensibilization

#### Numbers:

- daily 4,000 pupils can go to school safely
- 7,000 people have improved access to the St. Nicholas Hospital





## South Africa: Open Streets Cape Town

Open Street Days are a catalyst for the empowerment of non-motorized transport and inclusive and equitable streets for all users of public space

#### Aim of the project:

- Achieving more vibrant streets and public spaces, particularly in marginalized areas of Cape Town
- Improving accessibility, air quality, road safety and overall quality of life for all urban residents while contributing to socio-economic empowerment
- Transforming mobility patterns by changing people's minds and debating on "the city we want"

#### **Components:**

- Events: Open Streets Day
- Capacity Building and Knowledge Sharing: platforms, exchange and study visits of interested African cities
- Non-Motorized-Transport infrastructure & facilities, incl. street furniture
- Monitoring & evaluation of NMT facility usage and OS events

### **Road Safety aspects:**

- Raising awareness for pedestrians & cyclists by closing the streets for cars and opening them for the people
- OSD enables people to recapture and use public space in a safe and selfdetermined way

#### Numbers:

• temporary network of about 100km car-free streets throughout Cape Town





## Colombia: "I Move Safely" Project

Women and girls face sever security problems when they travel around the city of Bogotá, especially on foot and during night, limiting their mobility, access to opportunities and personal development.



#### Aim of the project:

• To improve the safety of women and girls on the streets of Bogotá during night

#### **Components:**

- **Measurement:** Evaluation of the complete street and cycling network of Bogotá according to 7 variables with the help of the *safetipin* app + interviews with women close to public transport stations
- Campaign: Carrying out of the "I move safely" campaign to highlight the issue of women's insecurity, project approach and its impacts
- **Physical interventions:** Measures of tactical urbanism and infrastructure improvements at low rated, strategic points

#### **Road Safety aspects:**

- Focus on the personal security of a vulnerable group: women and girls
- Improvements of the physical street environment to increase the perception of safety and security at night

#### Numbers:

• 15000 km of streets and 500 km of cycling network evaluated according to the safetipin method. 14000 interviews with women carried out





## Lena Stiller

Transport Policy Advisor Transformative Urban Mobility Initiative Deutsche Gesellschaft für internationale Zusammenarbeit

lena.stiller@giz.de