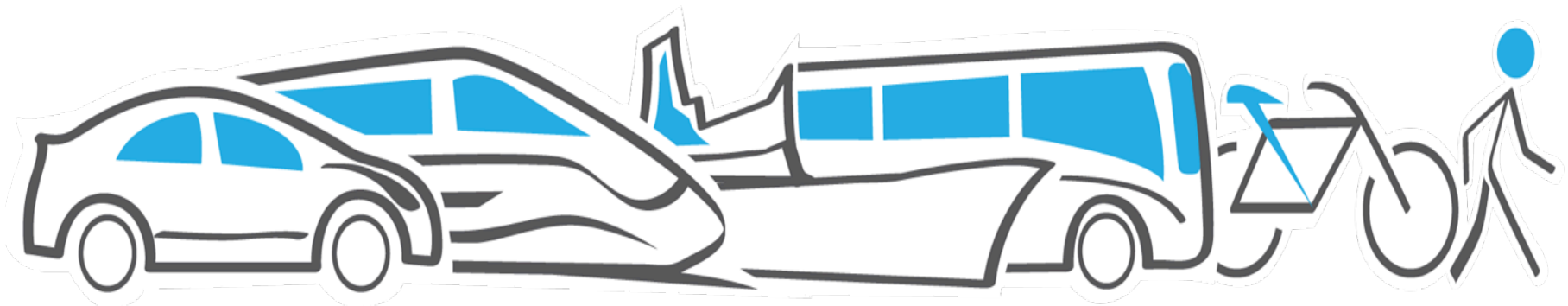


# SUSTAINABLE MOBILITY FOR ALL

Kenya Evidence Forum

Nancy Vandycke  
June 14, 2016



# TRANSPORT INVESTMENTS

## Investments are needed for sustainable new and existing transport systems

Global investments in public and private transport: **\$1.4-\$2.1 trillion** per year\*

- Private investment = 58%
- ODA and Green Funds: 2%
- HIC: 75 %

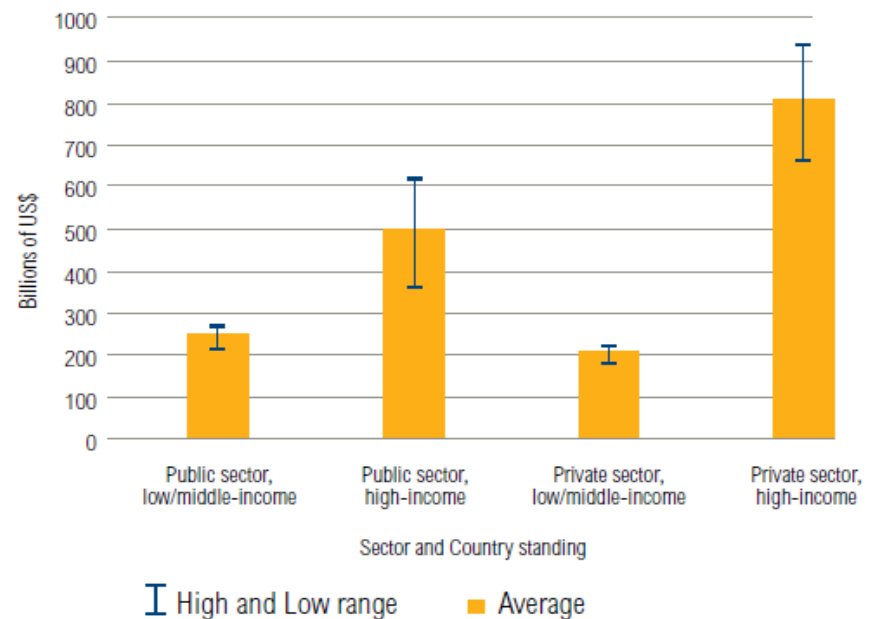
Capital needs to achieve 2 degree scenario pathway:\*\*

- **\$2 trillion**
- \$237 billion in BRT and rail investments

(\*) Lefevre B., and al. (2014), "The Trillion dollar question:

(\*\*) Lefevre B, and al. (2016), "The Trillion dollar question II: tracking investment needs in transport" WRI

Figure 1 | **Estimated Annual Transport Investment**



Sources: Wagenvoort 2010; World Bank PPI Database 2013; Government Budget Publications; CBI 2013; OECD Stats 2013; IMF Government Finance Statistics 2013; ITF 2012; ITC 2013.

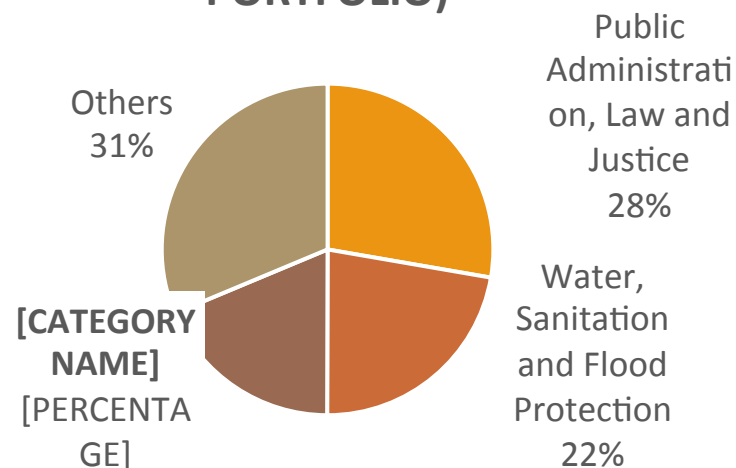


# IN KENYA

## ACTIVE PORTFOLIO ALL SECTORS

WBG	Net Commitments/ Committed (\$m)
IDA	4,131.1
IFC	908.1
MIGA	
<b>World Bank Group</b>	<b>5,039.2</b>

## IDA TOP 3 SECTORS (ACTIVE PORTFOLIO)



## TRANSPORT

Commitments	
National Urban Transport Improvement	300.00
Transport Sector Support Project	503.50
<b>Total</b>	<b>803.50</b>

Pipeline FY17/18	
Kenya Rural Roads Project	100.00
Airport Modernization Project	0.06
Nairobi BRT Project	250.00
<b>Total</b>	<b>350.06</b>



# GLOBAL CONTEXT

**What does the future hold for us? By 2030,**



**3 billion more people on Earth, with rising aspirations for mobility**



**Dollar value of digital information flows already exceeds value of traded goods**



**Freight volume expected to quadruple**



# CHALLENGES

Collective global efforts on sustainable mobility have so far been insufficient:



**1** billion  
people

Over **1 billion** people have no access to an all-weather road



**70** % fuel  
energy

**70 percent** of fuel energy is lost in engine and driveline inefficiencies.



**1** billion  
↑ cars

**Number of vehicles** on the road expected to **double** to 2 billion by 2050



**32** % ↑ in road  
deaths

Road death rate per 100,000 population **increased 32% in Low Income Countries** (from 18.3 in 2010 to 24.1 in 2013)



**23** % GHG  
emissions

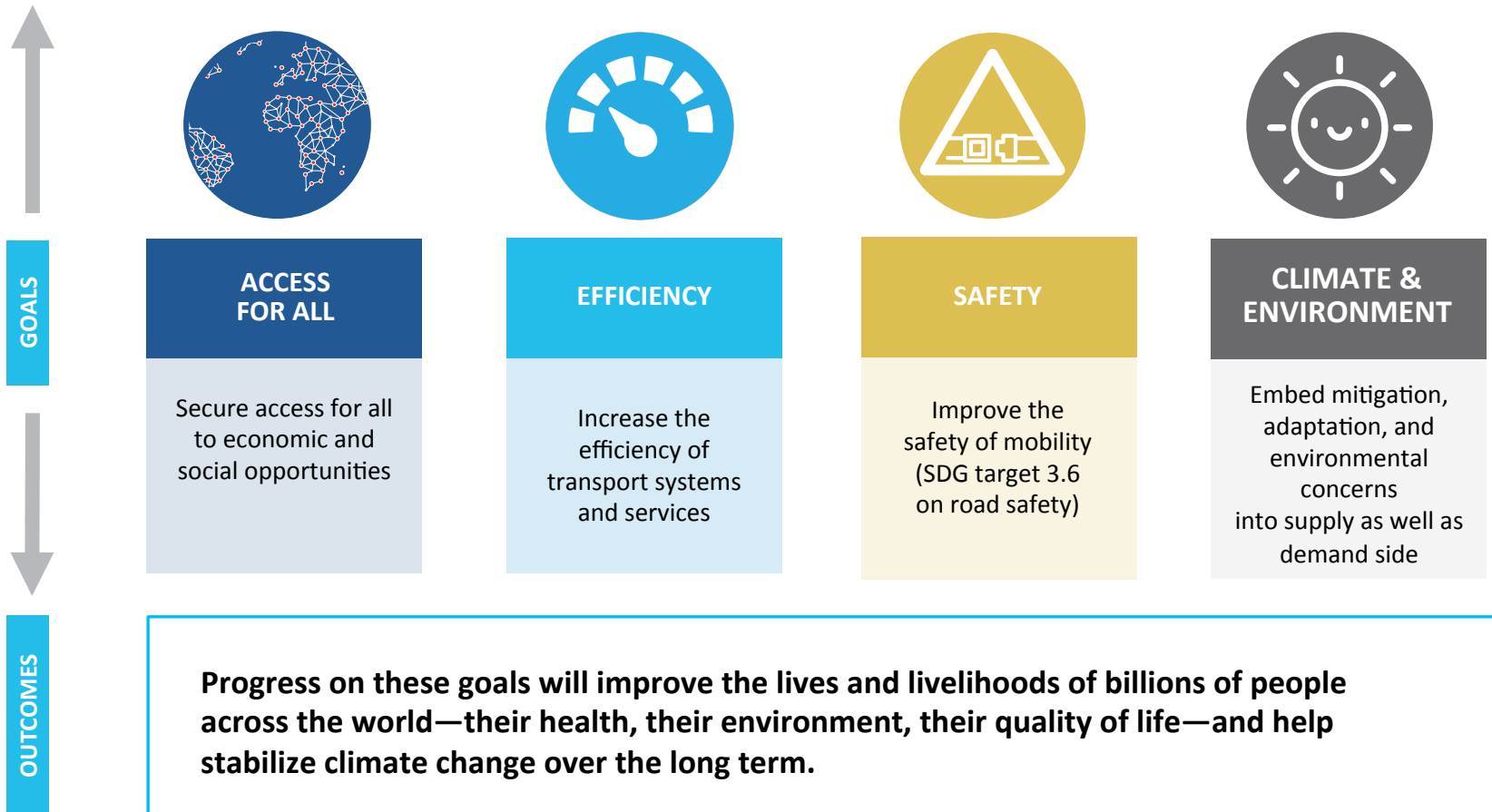
Transport is responsible for **23 percent** of energy-related **GHG emissions** and this share is increasing





# VISION

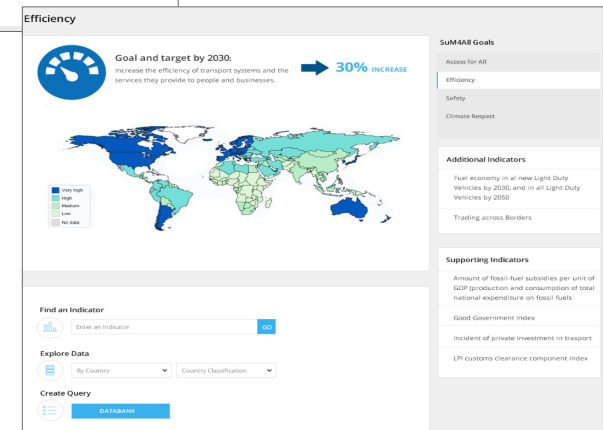
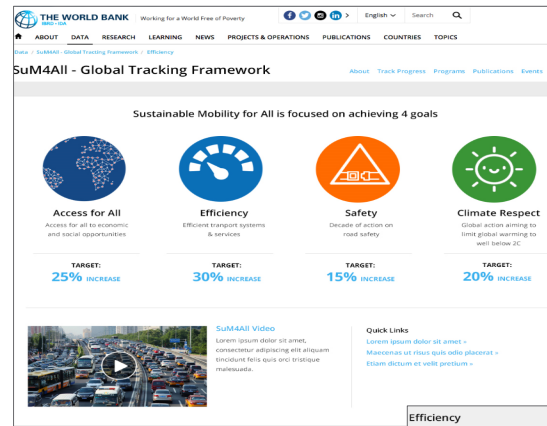
To facilitate **Sustainable Mobility for All** through four goals:





# GLOBAL TRACKING FRAMEWORK

- A **global tracking framework (GTF)** to measure progress towards the four goals, **using country-level indicators**.
- Progress on each goal tracked using one principal, two additional, and other supporting indicators.
- This GTF to be **supported by a partnership** to develop, collect, and analyze data and indicators.



# CALL FOR ACTION

Many actors have made voluntary financial and operational commitments:

COUNTRIES	CITIES	PRIVATE SECTOR	MDBs	LPAA/CIVIL SOCIETY
<b>&gt;70%</b> countries are targeting transport in their NDCs	<b>&gt;80</b> cities (affiliated with C40) are tackling climate change and climate risk	<b>&gt;260</b> transportation companies pledged to reduce GHG emissions	<b>&gt;\$175</b> billion committed in loans and grants for sustainable transport from 2013 to 2022	<b>15</b> initiatives have committed to reducing carbon footprint across transport modes

Transforming the world's mobility requires more. We need:



A robust global **vision** to guide us



Bold and ambitious **actions**



A global tracking framework to measure progress



Strengthen global **coalitions** to carry the agenda forward



# BOLD AND AMBITIOUS ACTIONS

**We need scale and focus** to radically transform the movement of people and goods in the short, medium, and long-term.

In the short-term: a set of “**quick-wins**”, such as:

- Expanding **congestion/road charging** in major global cities
- **Modernizing** ageing rail fleets and traction systems

In the **medium-term**: actions, such as:

- **Dedicated funding for sustainable mobility** in the Green Climate and Climate Investment funds
- **Rebalance urban public space** in favor of non-motorized transport (bicycling and walking)
- **Accelerate the introduction of carbon pricing** (including fuel subsidy reform)
- **Roll out safety technologies** that can drastically reduce traffic accidents and fatalities

In the **long-term**: actions, such as a Global Roadmap for De-Carbonization of the Transport Sector





# GLOBAL COALITION

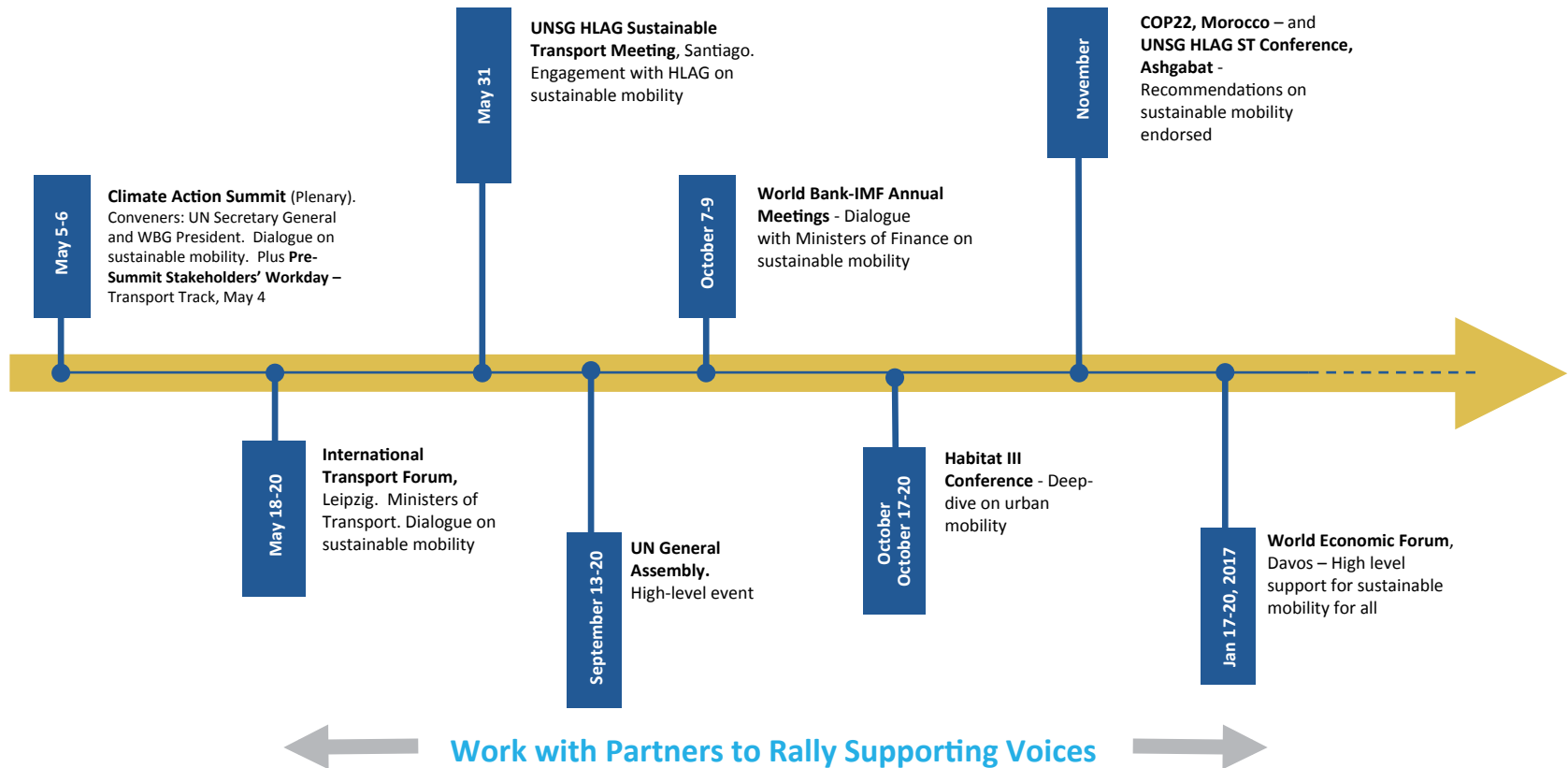
We need to strengthen and expand existing **coalitions** of bold and committed actors drawn from a range of groups:

- **National champions:** Synergies with the SDGs and the Paris agreement (NDCs) can best be optimized at the country level.
- **City champions:** Cities are at the forefront of sustainable mobility and will be leading many of the sustainable mobility initiatives.
- **Private sector champions:** Private sector is likely to remain at the cutting edge of innovations and a key investor for sustainable transport.
- **Civil society:** Organizations promoting coordinated action are central.
- **International actors:** Organizations with international clout will be key sources of leadership and knowledge.

**The role of these coalitions will be to share knowledge, advocate, galvanize action, and catalyze financing from the public and private sector for sustainable mobility.**



# SUSTAINABLE MOBILITY—THE WAY FORWARD



# How can the IE Connect for Impact Contribute?

Better understand the economics of T&I interventions to achieve higher impact

- Generate evidence on key topics at scale (conclusive results) to support the Narrative on sustainable transport
- Make significant investments in knowledge generation in priority business areas (urban mobility, transport corridors, broadband access)
- Establish the evidence basis for linking interventions with poverty reduction, growth and sustainable development
- Pooling intellectual and financial resources to achieve scale (e.g., involve other MDBs to maximize cross-institutional learning spill-overs).



# MDB's RESPONSE

Rio+20 MDBs  
Pledge on  
Sustainable  
Transport

\$175 billion  
2012-22  
On track  
(\$65 billion)

Paris Commitment on  
Climate Finance  
by MDBs, 2020\*  
AfdB: \$5 billion  
ADB: \$6 billion

EIB: 35 %  
(from 25%)

EBRD: 40 %  
(from 20%)

IDB: 25-30 %  
(from 14%)

WBG: 28 %  
(from 21%)

Paris Joint MDBs  
commitment on  
Transport and  
Change



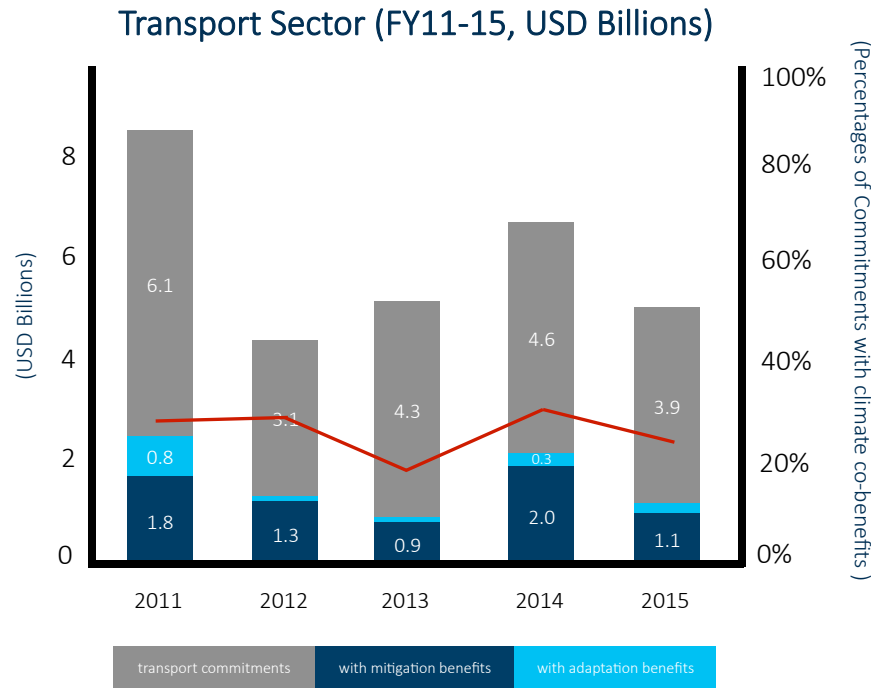
European  
Investment  
Bank

*The EIB bank*



WORLD BANK GROUP

# WORLD BANK RESPONSE



WBG's total commitment  
for climate finance  
\$10.3 billion (2015) → \$29 billion  
(2020)



WB Transport for climate finance

2011-15 (actual)  
US\$7.8 billion  
(26.4% of total transport  
commitment)  
o/w adaptation = US\$ 715 million

2015 (actual)  
US\$1.3 billion  
o/w adaptation = \$200 million

Projected 2016-2020  
US\$ 10.5 billion  
(35% of total transport  
commitment)  
US\$ 2.1 billion

