

# THE ROAD TO SUSTAINABLE TRANSPORT Tackling the finance challenge

Transport Global Practice

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## Outline

- Scoping the transport challenge
- Financing the transport challenge
- Looking for solutions
  - Quality of public spending
  - Leveraging sector funding
  - Exploring commercial financing opportunities
- Bringing commercial financing to the next level
  - Improving corporate performance
  - Asset recycling and innovative solutions



## **Scoping the Challenge** Demand for mobility solutions has grown rapidly

### Roads continue to be the dominant mode of passenger transport<sup>1</sup>

Passenger Transport Volumes (Business as Usual 2015-2030)







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### Despite improvements in access to transport, gaps still remain in many regions



### Transport corridors: good for growth but with environment concerns



Spatial impacts around major South Asia corridors<sup>2</sup>

Sources: (1) World Bank, World Development Indicators; World Bank Rural Access Index; 3 (2) The Web of Economic Corridors in South Asia



## Scoping the Challenge ...and will continue to expand in the future

### More people, goods, services and information

An additional 1 billion people projected by 2030, out of which 87% will be in Asia and Africa

#### More aspirations for mobility Rapidly urbanizing cities boost the demand for urban Rapid growth of middle class population by 2030 transport solutions Population in LIC/MIC earning US\$4000-17000 per capita (PPP) Rural and Urban Population growth projections 1.2 billion 16 10,000 14 9,000 Percent of global population 12 8,000 Population in millions 7.000 10 6.000 8 5,000 4,000 6 400 million 3.000 4 2,000 2 1,000 0 0 1960 2010 2020 2030 2040 2050 1950 1970 1980 2000 1990 2005 2030 Urban - Less developed Latin America and the Caribbean Urban - More developed Rural - More developed Sub-Saharan Africa Europe and Central Asia South Asia East Asia and the Pacific Middle East and North Africa

Source: World Bank, World Development Indicators; WBCSD "Vision 2050"



## **Scoping the Challenge**

### **Reducing negative impacts requires investments and policies**

#### Challenge

Meeting mobility and connectivity aspirations, knowing that today's investments will lock-in countries and cities on either a sustainable or unsustainable development path



Source: World Bank, World Development Indicators; World Bank - Turning the Right Corner; IPCC;



# How can we finance the challenge in a sustainable way?

**Investment gap:** an annual increase of 2 percent of GDP is required on average till 2040 as per the Global Infrastructure Hub (2017)



**Government** can look for ways to increase access to **Non-Sovereign Finance** 



**Sources of transport financing:** any solution to reduce the gap is likely to come from a mix of public, private, Overseas Development Aid (ODA) and climate financing

Public Finance	ODA		
Accounts for bulk of investment over \$250 billion/ year in low- middle income countries (WB)	MDB to exceed sustainable transport commitments (\$175 billion by 2021) made at Rio+20 conference but still limited. Climate Financing		
Private Financing			
Transport (2018) = \$54 billion on PPPs with private/public co-	Access of transport to climate finance is limited. A small share		

### Multilateral Development Banks' Transport Lending (2014) is focused on roads



# Lack of fiscal space can constrain financing for development

Country indebtedness and strong reliance on fiscal budget for funding and finance set a cap on new and much needed development investments

Debt transparency, poor capacity, inefficiencies in public spending (subsidies and priorities)

Paradoxically, commercial financing remains available provided that projects are commercially and financially sustainable, and bankable

	S&P Ratings		Number of Countries	Examples
	AAA		11	Australia, Canada, Germany, Netherlands, Singapore
Investment Grade	AA+	1	4	Finland, USA
	AA		7	Belgium, Kuwait, New Zealand, Korea
	AA-		6	Qatar, Estonia, Czech Republic
	A+		8	Chile, China, Japan, Israel
	А		2	Iceland
	A-		7	Botswana, Malaysia, Saudi Arabia
	BBB+		9	Mexico, Poland, Spain, Thailand
	BBB		5	Italy, Panama, Philippines
	BBB-		11	Russia, Portugal, Morocco, Indonesia, India
Non- investment Grade	BB+		3	Azerbaijan, Cyprus
	BB		7	Bolivia, Oman, South Africa, Turkey
	BB-		9	Brazil, Honduras, Georgia, Macedonia
	B+		12	Argentina, Kenya, Senegal, Tanzania <sup>(1)</sup>
	В		14	Cameroon, Ethiopia, Greece, Nigeria, Rwanda, Zambia
	В-		10	Angola, Egypt, Ghana, Iraq, Ukraine
	CCC+		4	DRC, Barbados
	SD		2	Mozambique, Venezuela

Source: S&P, long term foreign currency sovereign rating as of February 28, 2018. (1) Tanzania is not rated by S&P but is rated B1 by Moody's, which is in theory equivalent to a B+ by S&P

### The Unstoppable Surge in Negative Yields Reaches \$17 Trillion (Bloomberg Aug 30, 2019)

Market Value of Negative-Yielding Bonds in the Bloomberg Barclays Global-Aggregate Index





## Looking for solutions: First, by improving the quality of public spending





## Looking for solutions: Second, by leveraging funding options

# A sustained increase in transport funding is necessary to meet the challenge

- While many of the available instruments remain unfeasible or are not a significative revenue sources in EMDEs, new ways to maximize funding opportunities from users and taxpayers are crucial
  - Without creating equity concerns
- Technology solutions are reducing the transaction cost



Sustainable Urban Transport Financing from the Sidewalk to the Subway CAPITAL OFERATIONS, AND MAINTENANCE FINANCING

• Creating a vehicle for public transport funding (transport funding law)

**Ring-fencing revenues** 

- Diversifying and ringfencing road funds. (Road funds study in Africa, WB 2019):
  - Road maintenance funding continues to increase but still insufficient to cover routine and periodic maintenance needs
  - Fuel levies are the largest funding source
  - Unused funds rolled over in full, partially or not at all
  - A substantial percentage of the road user charges collected annually is not used
  - Government contribution generally unreliable (time/size)



## **Looking for solutions:** Third, by exploring Commercial Financing Options

### **Revamping corporate finance of SOEs & cashing on brownfield assets**

	Sovereign Finance	Corporate Finance for SOEs	Project Finance for Project SPVs (no/limited recourse)	Corporate Finance for private corporates
Borrower	<ul> <li>Government or SOE</li> </ul>	<ul> <li>SOE</li> </ul>	<ul><li>Project Company (SPV)</li><li>Public or private ownership</li></ul>	<ul> <li>Privately-owned enterprise</li> </ul>
Credit risk & collateral	<ul> <li>Full faith and credit of the sovereign</li> <li>Unsecured</li> </ul>	<ul> <li>Creditworthiness of SOE</li> <li>Unsecured or secured</li> <li>Recourse for default to SOE's assets only or to Gov't (if guarantor)</li> </ul>	<ul> <li>SPV with robust contractual and security structures</li> <li>Recourse for default to SPV's assets (ring-fenced from Project sponsor)</li> </ul>	<ul> <li>Creditworthiness of company</li> <li>Unsecured or secured</li> <li>Recourse for default to assets of the company</li> </ul>
Pros	<ul> <li>Sovereign pricing (cheapest option relative to others)</li> <li>Sovereign loan and debt capital markets (high liquidity)</li> </ul>	<ul> <li>Near Sovereign pricing</li> <li>Sovereign/corporate loan and debt capital markets (high liquidity)</li> </ul>	<ul> <li>Limited recourse to Sponsor</li> <li>Project finance debt market (high liquidity)</li> <li>Multilateral/Bilateral IFIs, DFIs and/or ECAs involved</li> <li>Contingent impact on public debt (if properly structured)</li> </ul>	<ul> <li>Corporate pricing</li> <li>Corporate loan and debt capital markets (high liquidity)</li> </ul>
Cons	<ul> <li>Direct impact on public debt.</li> <li>Potential limitations if high debt/GDP</li> </ul>	<ul> <li>Direct impact on public debt if SOE is loss making or if debt is guaranteed by Gov't</li> <li>SOE rating may not be possible</li> </ul>	<ul> <li>Requires quality preparation, risk assessment &amp; allocation, negotiations (long process, time consuming)</li> </ul>	<ul> <li>Relatively limited borrowing capacity and adaptability to finance infrastructure assets</li> </ul>

## **Tracing commercial financing in transport projects:** Mostly through Special-Purpose Vehicles & Corporatization



- Investors and lenders have different risk appetitive
- Almost a quarter is used to consolidate efficiencies (refinancing and M&A).
- Commercial financing is used also through corporate approach but the numbers of Project Finance also capture lending to SOE through a SPV
- Non-commercial financing includes MDBs, export credit agencies among others

### **Transport PPP projects in EMDEs:** No clear trend in volume and deals



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## Bringing commercial financing to the next level: Climbing the maturity ladder for SOEs



Different Subsector of Transport are at different landings – One size does not fit all

- Introduce blended finance options
- Consider more sophisticated delivery models (corporatization, PPP)
- Develop shadow credit rating system
- Achieve sector financial sustainability
- Monitor and benchmark performance
- Conduct strategic action planning
- Engage the private sector as a potential technical or financial partner
- Redirect subsidies to reach the poor
- Use performance-based contracts
- Adjust tariffs
- Leverage results-based financing
- Embed policies in the legal framework
- Abandon perverse subsidies
- Engage customers early and often
- Ring-fence utilities
- Back sector goals with consistent and transparent subsidies
- Clarify policy direction and targets
- Achieve financial viability (OCCR > 1.2)
- Reduce NRW
- Create an information base
- Build regulatory enforcement capacity
- Fully resource sector institutions
- Hire based on merit and skill
- Identify strong sector leaders and champions
- Improve metering
- Cut energy and labor costs
- Increase billing and collections
- Conduct a political economy analysis

## Bringing commercial financing to the next level: Moving from vicious to virtuous, step by step



### Bringing commercial financing to the next level: Asset recycling, corporatization, and innovative financing

- The recent experience with Asset Recycling / securitization program in Australia and India shows that commercial financing options under public delivery is an attractive solution
- The World Bank is exploring these opportunities in different countries (e.g. India rails; Mexico Fonadin)
- Using credit enhancements and concessional loans/grants in difficult country contexts (Liberia PPP project)









# Conclusion

- Demand for transport solutions has grown rapidly and will continue to expand in the future. Rural and urban connectivity will drive the investment agenda of sustainable transport.
- This requires sustainable approaches. Decisions today can lock-in countries and cities on a sustainable or unsustainable development path.
- Financing this challenge calls for innovative solutions that combine limited ODA capacity with commercial financing. This is critical when fiscal space constrains development financing.
- Enhancing the quality of public spending, leveraging sector funding, and exploring commercial financing opportunities should be the pillars of any sustainable transport financing strategy.
- If the pillars are solid, the strategy will contribute to reduce the investment gap by bringing commercial financing to a the next level

