

Alternative technologies: Enabling the Future of Mobility

Shomik Mehndiratta Practice Manager Transport South Asia



THE FUTURE OF MOBILITY IS NOW

Autonomous

Electric

Ridesharing

Machine Learning and Artificial Intelligence

On demand

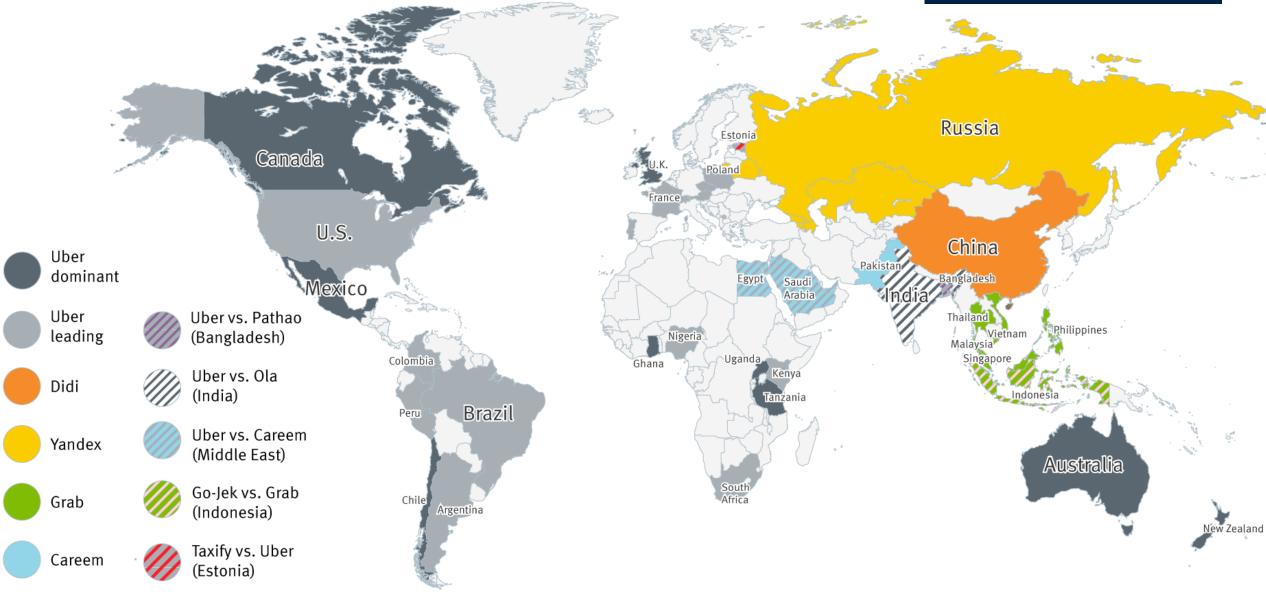


Interconnected









Artificial Intelligence, Machine Learning, IoT

Lorong Buinga

patuma 10

alan KK By

alan Tunku Abdul .

Jalan Tuar Rahma

24 min • 17 km

90 m

DiGi

Outsmarti

On demand

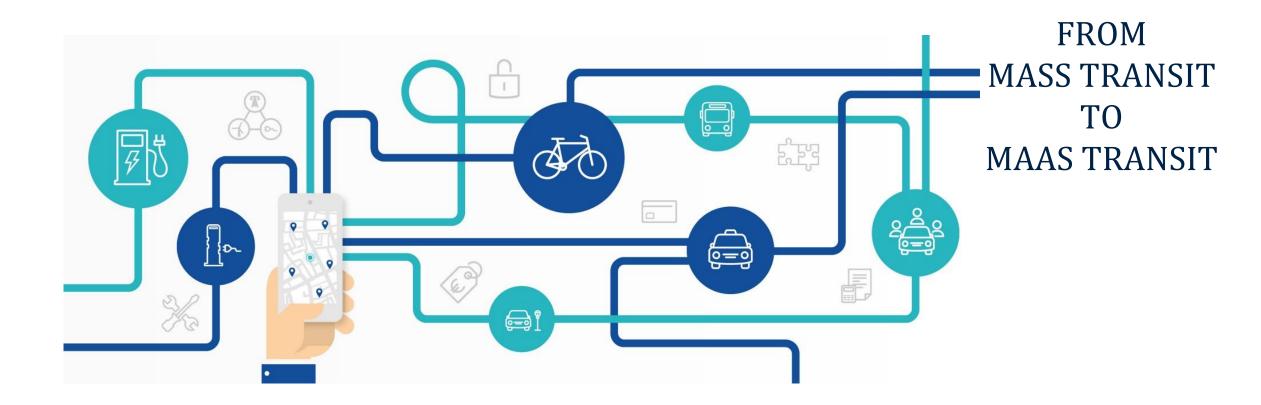
THESE DRONES DELIVER VACCINES

Zipline launches the world's fastest commercial delivery drone

0

The rise of mobility as a service

Reshaping how urbanites get around

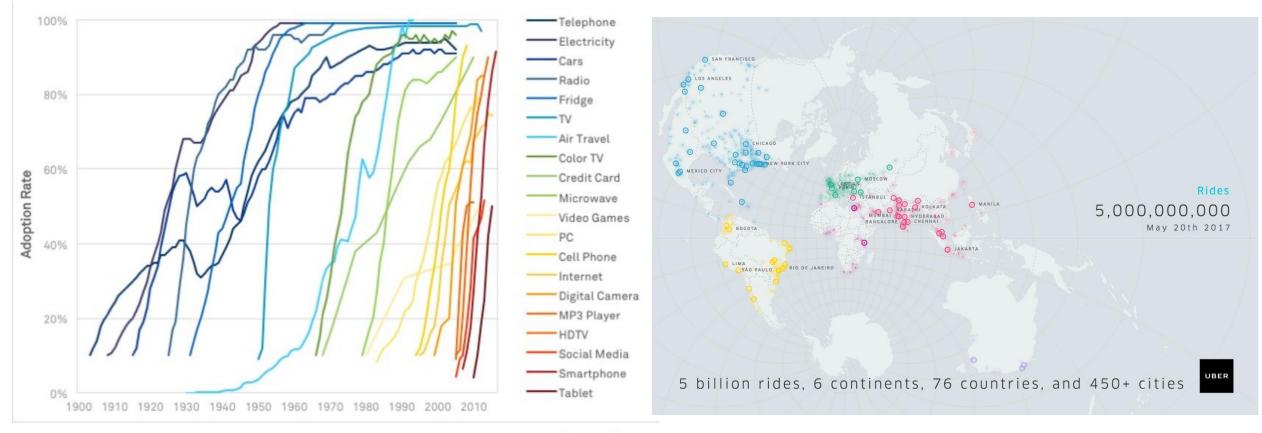


THE FUTURE OF TRANSPORTATION STACK

COMET LABS



The Pace of Technology Adoption is Speeding Up



BLACKROCK'



How can governments, planning and regulatory authorities **ENABLE** the opportunities for **LEAPFROGGING** that these technologies present, while ensuring the spread of new technologies is **EQUITABLE** and **SUSTAINABLE**?



WHAT'S NEXT?

Think Creatively about Reform

Partner with Private Sector

Start building the foundation for an interconnected on-demand world



Leverage Available Technology and Innovation



THINK CREATIVELY ABOUT REFORM



"Formal" reform approach - creation of companies, contract services, public sector planning & regulation – is not the only way

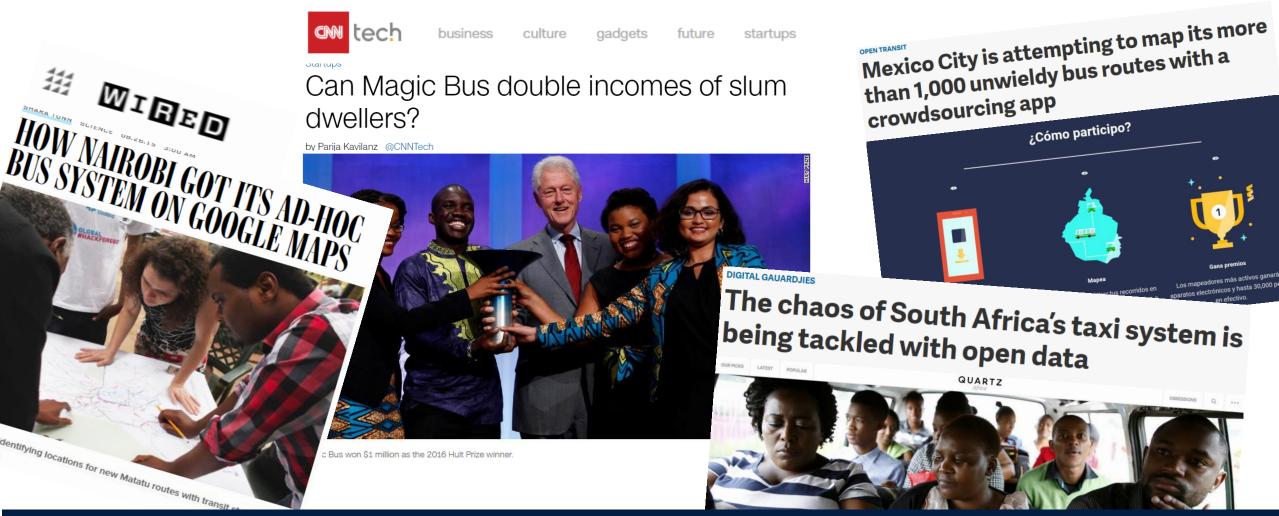


THINK CREATIVELY ABOUT REFORM

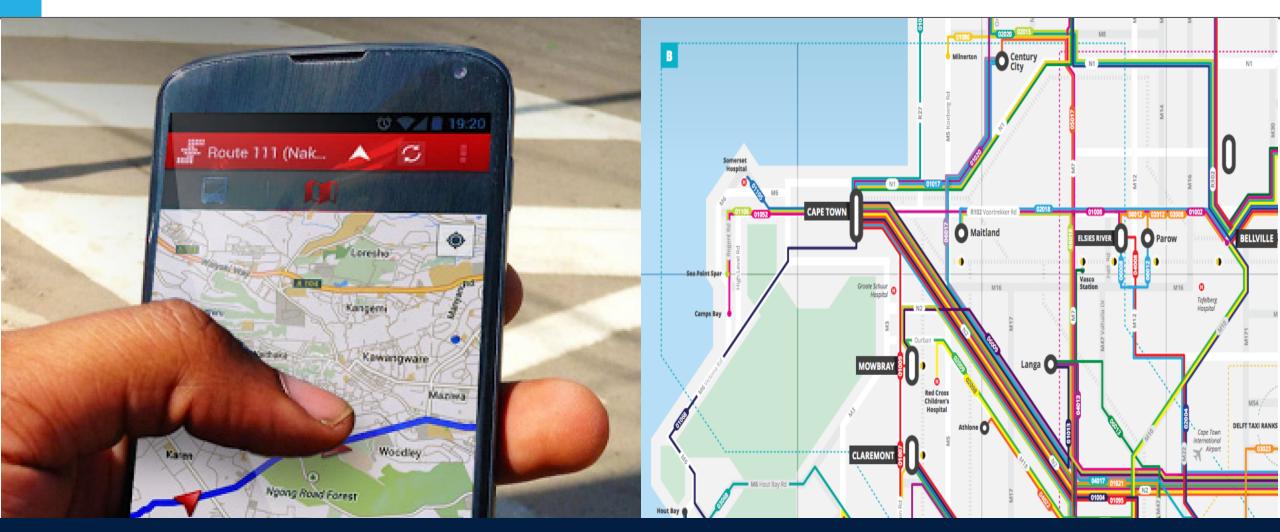


Mixed results: several successful BRTs, but challenging when targeting all of the city's informal services





Cheap sensors & mobile technology are disrupting the world of informal buses and can support a gradual reform approach



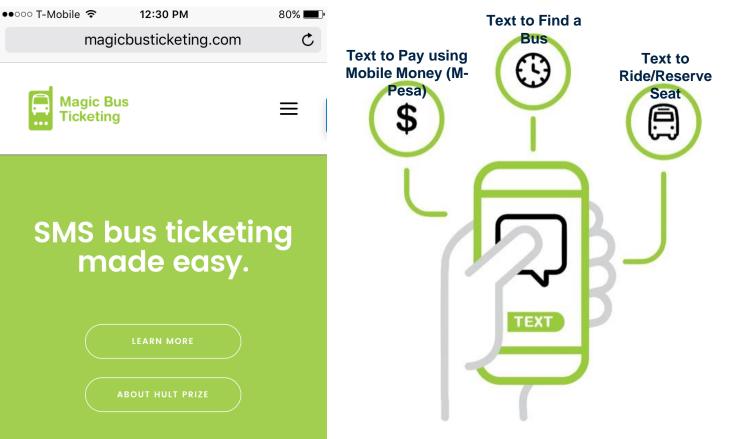
Integrating the informal: Collaborative mapping of informal buses

16

Samora Machel

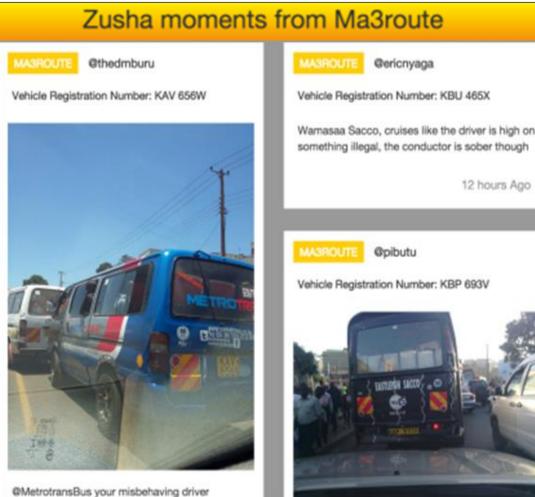
Digital Matatu Project; Cape Town's Where's My Transport





Get ticketing right by opening protocols within an integrated environment. Think about the smart card and beyond, and use it to integrate fares and target subsidies





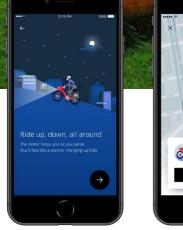
Identify wreck less drivers and vehicles real time, and use machine learning to send preventive messaging to drivers at risk
Ma3route App

PARTNER WITH PRIVATE SECTOR

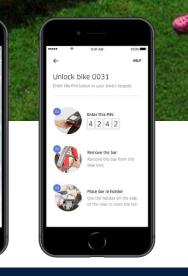
Didi integrates public transport options allowing users to book a car to meet them at the bus stop

🕑 Apr 9, 2018 🔮 Frank Hersey





JUMP 0031

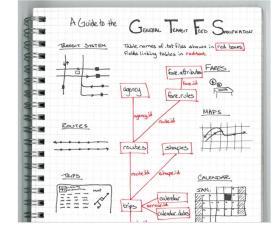


Support low-risk experimentation in policy making

PARTNER WITH PRIVATE SECTOR

Who Owns Urban Mobility





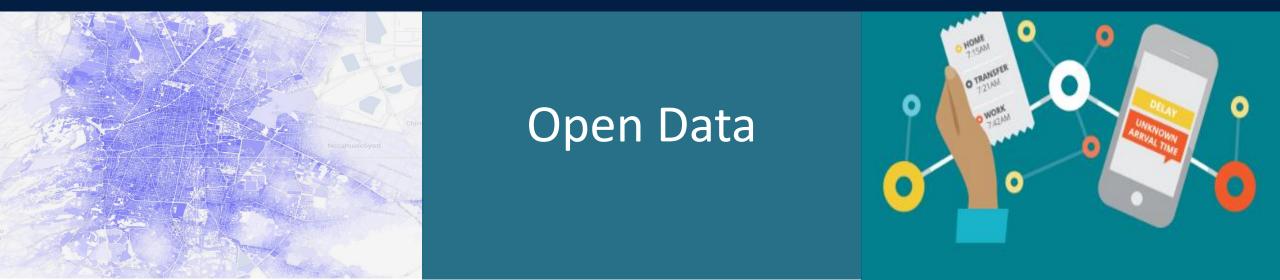
Ensure you speak the same language – default to the use of standards that reduce knowledge asymmetry between government, citizens and private sector

PARTNER WITH PRIVATE SECTOR

Mobiles

Sensors

Harness the full potential of available standards and technology





THANKS!



smehndiratta@worldbank.org