



# PIARC Advisory Group

## Overview of COVID-19 actions and trends at international organizations

26 May 2020

Webmeeting



# PIARC Advisory Group

- **Purpose:** support the identification and analysis of novel topics warranting attention by PIARC
  - Recent activities at invited organizations
  - Trends in the road sector
  - Identify and progress joint activities
- **Members:** International organization invited by PIARC. Memberships is semi-fixed and varies based on topic and availability
- **Meetings:** 1-2 times per year, often in conjunction with other major international events
- **Contact:** PIARC Technical Advisor for Strategic Partnerships, Anna-Karin Salmi  
anna-karin.salmi@piarc.org

# COVID-19: PIARC Response

Response team

Notes

Reports

Webpage

Webinars

<https://www.piarc.org/en/News-Agenda-PIARC/Coronavirus-PIARC-and-Covid-19>



# Recent activities at invited organizations

## 5-minute presentations



# Presentations by invited organizations

- CAF – Development Bank of Latin America, Hector Varela
- World Bank, Franz Drees-Gross
- China Highway and Transportation Society, Ningning Wang
- International Road Federation, Susanna Zammataro
- Institute of Transportation Engineers, Jefferey Paniati
- POLIS Network, Ivo Cré
- Transport Research Board, Neil Pedersen
- UITP, Mohamed Mezghani
- Walk 21, Jim Walker
- European Investment Bank, Per Mathiasen



# PIARC ADVISORY GROUP

## CAF & ROAD INFRASTRUCTURE

April 30th 2020



# SUBJECT

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1. CAF - Development Bank of Latin America
2. Our main focus areas of work
3. Latin America diagnostics
4. Strategic vision
5. Current and future challenges
6. CAF&PIARC strategic relationship

# 1. CAF - Development Bank of Latin America



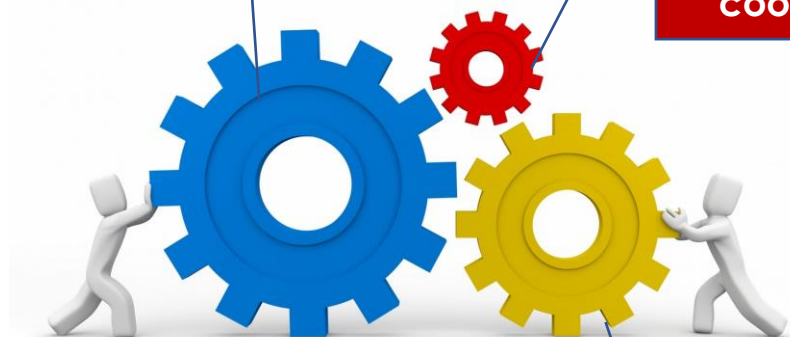


## 2. Our main focus areas of work

1. Public sector financing

3. Technical cooperation

2. Private Sector financing



Support countries in better invest

CAF estrategic

EFFICIENCY

SUSTAINABILITY

INSTITUCIONALITY

EQUITY

INTEGRATION

### Road Infrastructure Portfolio(USD billion)

Interurban roads	Urban roads	TOTAL
3.500	1.600	5.100

# 3. Latin America diagnostic

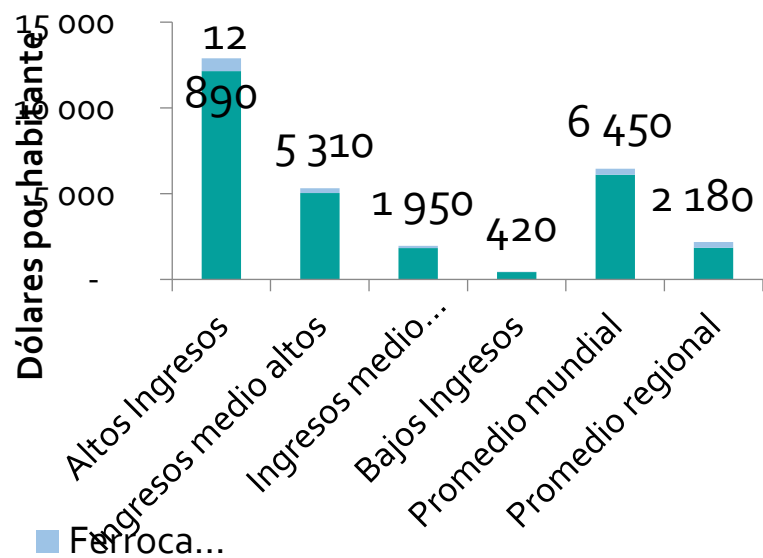


Figura 10. Densidad de la red por habitante

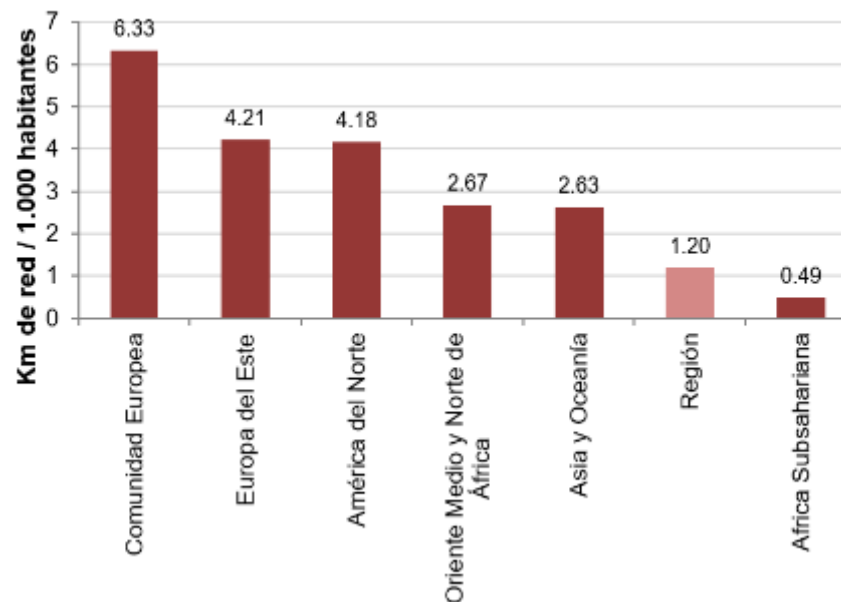
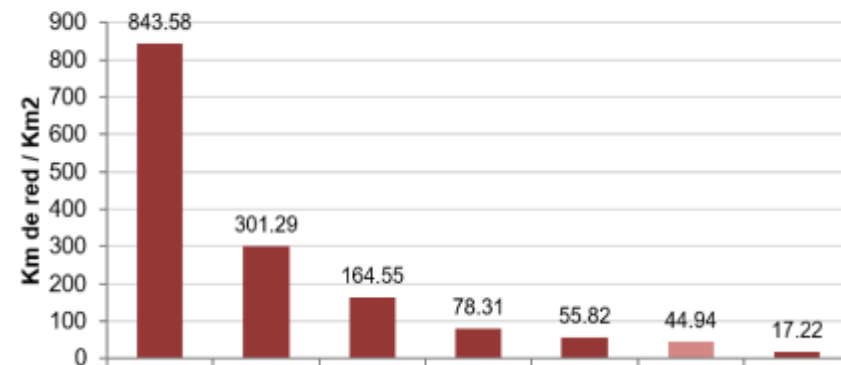


Figura 11. Densidad de la red por superficie (países de al menos 100 mil km2)



- Complex geographical context
- Long distance between centers
- Adverse weather events
- Institutional weakness
- High accident rates
- Coverage gap
- Quality gap



## 4. Strategic vision

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1. The **uncertainty** regarding the future: COVID-19, new technologies, fiscal space, desglobaliation process, sanitary crisis resilience, ...
2. High level of **complexity involving the prioritization of investments** in the road sector . Road infrastructure is a fundamental platform for developing of strategic sectors, cohesion between territories and promoting a good social fabric.
3. Evolution of **governance is key**. There is a need to increase the effectiveness, quality and good targeting of future public sector interventions. Medium and long-term transport plans are very necessary.

# 5. Current and future challenges

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- Promote increases in investment to achieve at least a **200% increase in investments in ground transportation, reaching 2% of GDP** in order to reduce the infrastructure gap and support economic recovery.
- Bring in the skills of **the private sector** to manage some of the current effects caused by COVID-19 and the foreseeable budgetary restrictions in the future.
- Strengthen processes with a long-term view in **promoting efficiency** through: 1) a planning culture; 2) an evaluation culture; and 3) a culture of maintenance.
- Incorporate **new technologies** with the aim of improving productivity and transparency in the construction sector (example: BIM methodology)
- Continue with the generation and **dissemination of knowledge (MOOCs)** and institutional strengthening (example: generating tools that can systematize and share data, especially important for crisis management such as COVID-19).

## 6. & strategic relation

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1. CAF's contribution from road specialists in the PIARC **Technical Committees**
  - Road safety
  - Resilience
  - Road asset management
  - Low-traffic roads
  - Pavements
  - Public Policies
2. **Events** co-organization in the region
3. Development and dissemination of **knowledge**
4. CAF's participation in the **PIARC Advisory Group**
5. CAF's participation **in DIRCAIBEA**

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**CAF** BANCO DE DESARROLLO  
DE AMÉRICA LATINA

50 años

[www.caf.com](http://www.caf.com)  
[@AgendaCAF](https://twitter.com/AgendaCAF)

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# COVID-19 AND THE TRANSPORT SECTOR

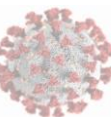
## IMPACTS AND POLICY RESPONSES

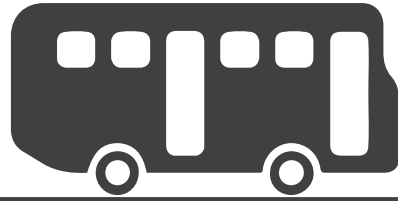


**THE WORLD BANK**  
IBRD • IDA | WORLD BANK GROUP

**Franz Drees-Gross**  
Regional Director, Infrastructure  
Latin America and the Caribbean  
Region

**PIARC Advisory Group Meeting**  
May 26, 2020





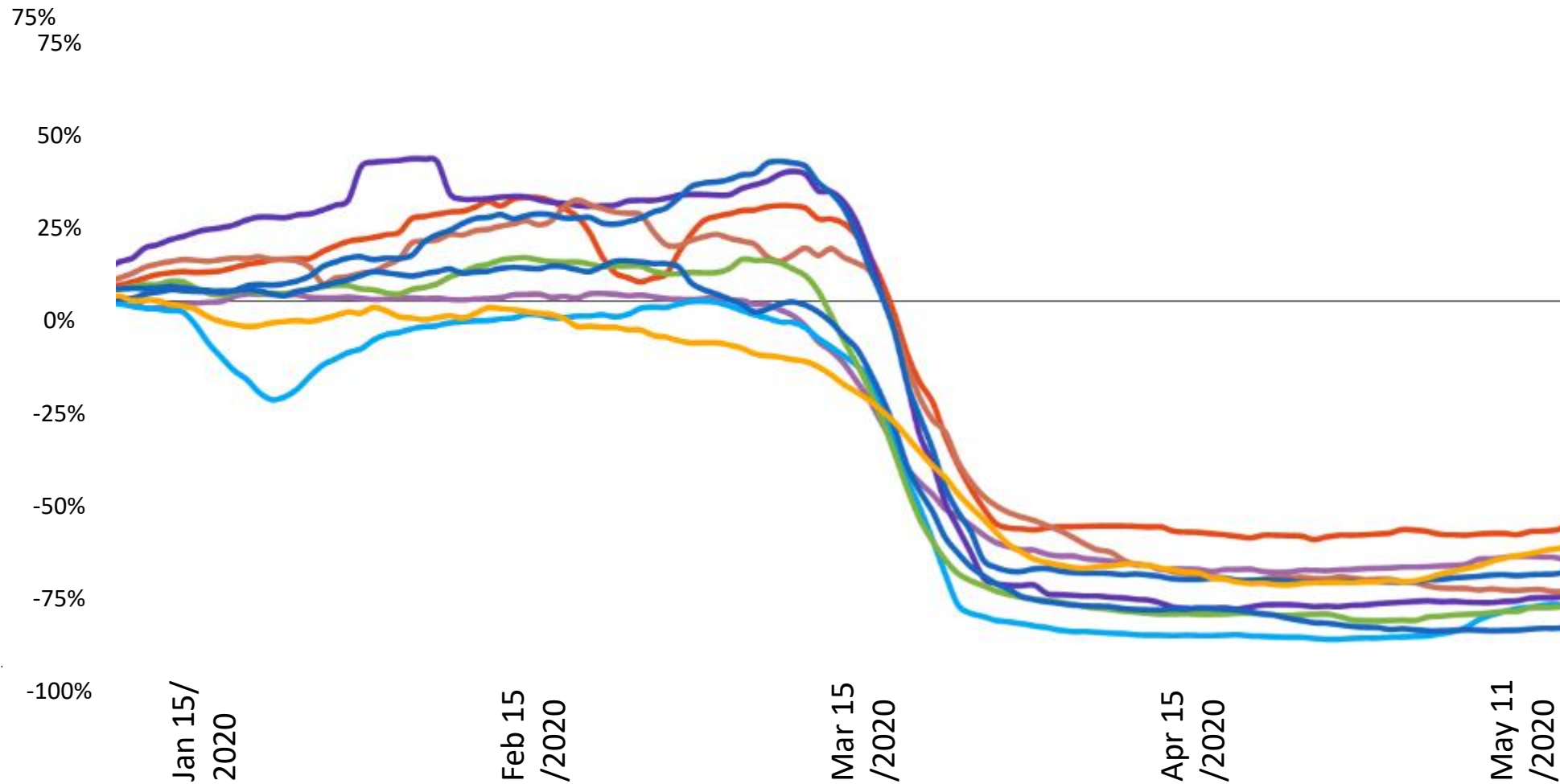
# IMPACT OF COVID-19

- Public Transport
- Aviation
- Global Supply Chains
- Road Transport



# PUBLIC TRANSPORT RIDERSHIP PLUMMETED WORLDWIDE AND EXPECTED TO RECOVER SLOWLY

## Public Transport Usage



City	% Moving
Barcelona	3%
Milan	3%
Madrid	4%
San Francisco	4%
Paris	5%
Rome	5%
DC	5%
Amsterdam	6%
Chicago	6%
NYC	7%
Istanbul	7%
Tokyo	8%
London	8%
LA	8%
Sidney	12%
Sao Paulo	12%
Mexico City	13%
Berlin	14%
Moscow	16%
Singapore	17%
St. Petesburg	25%
Stockholm	28%
Seul	36%
Hong Kong	38%

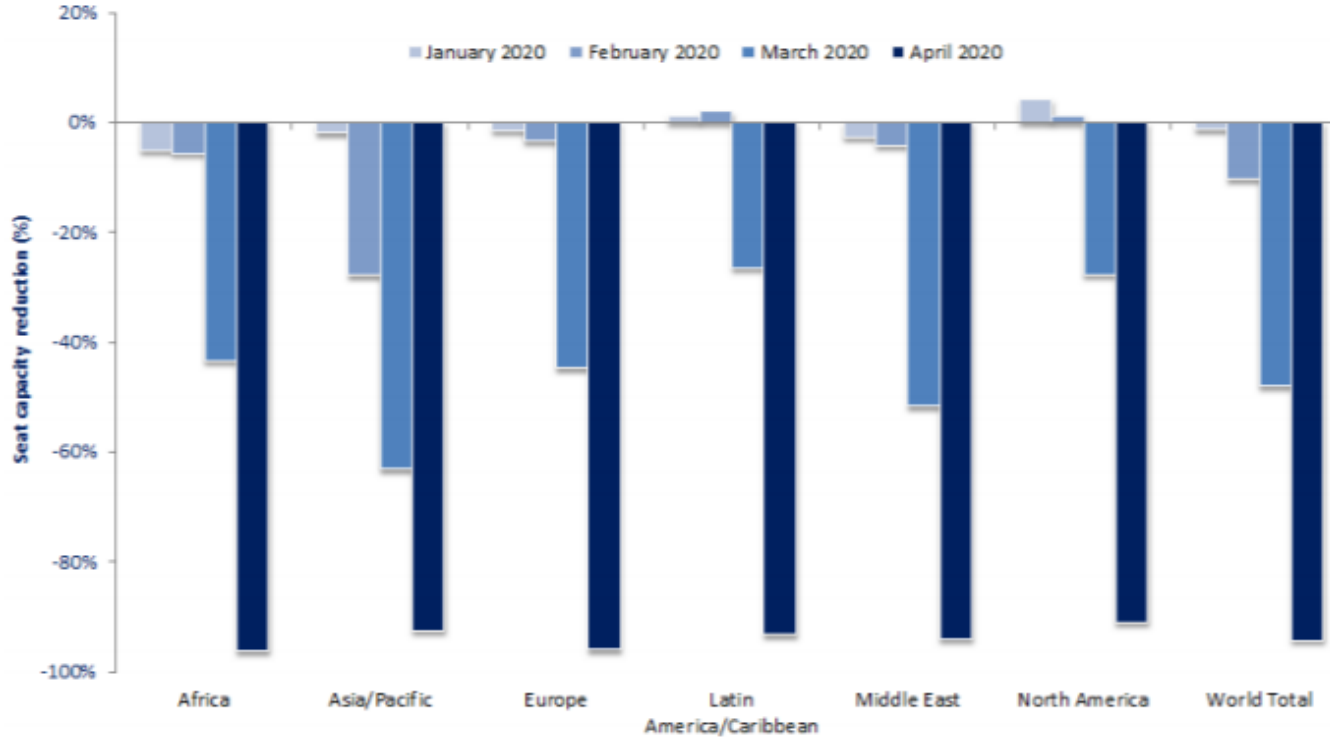
Source: Moovit

Source: City Mapper

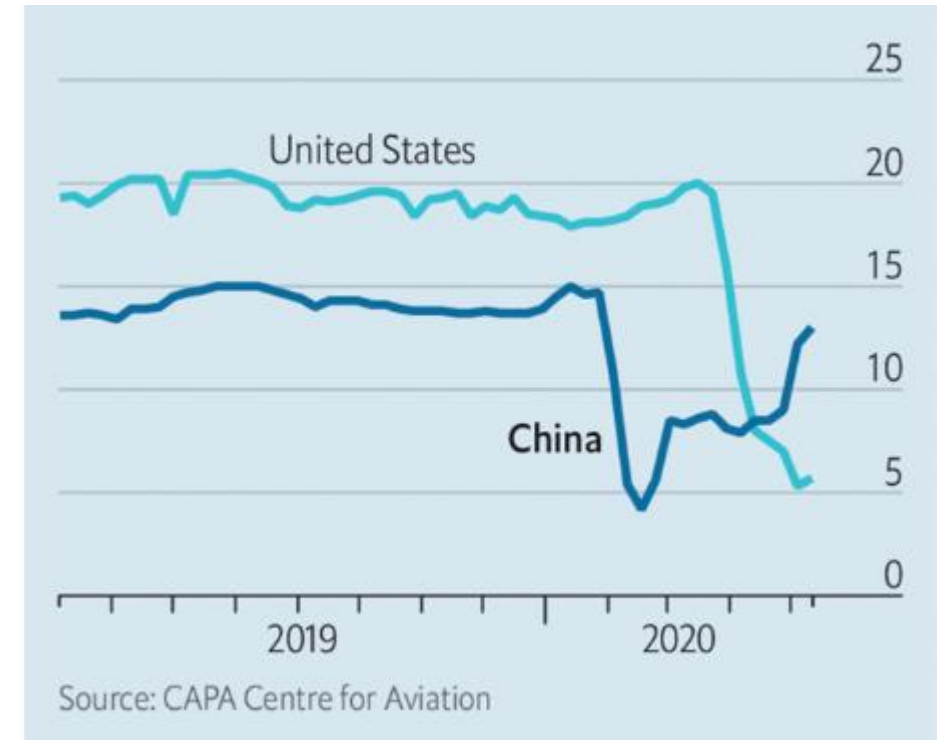
Cities included: Bangkok, Bogota, Buenos Aires, Istanbul, Jakarta, Kuala Lumpur, Mexico City, New York, Sao Paulo

# DESPITE LARGE CAPACITY CUTS WORLDWIDE, RECOVERY IS UNDERWAY IN CHINA

## International Seat Capacity Reduction by Region (Jan/2020 – Apr/2020)

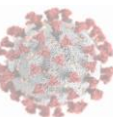


## Weekly Airline Seat Capacity on Domestic Routes (million)



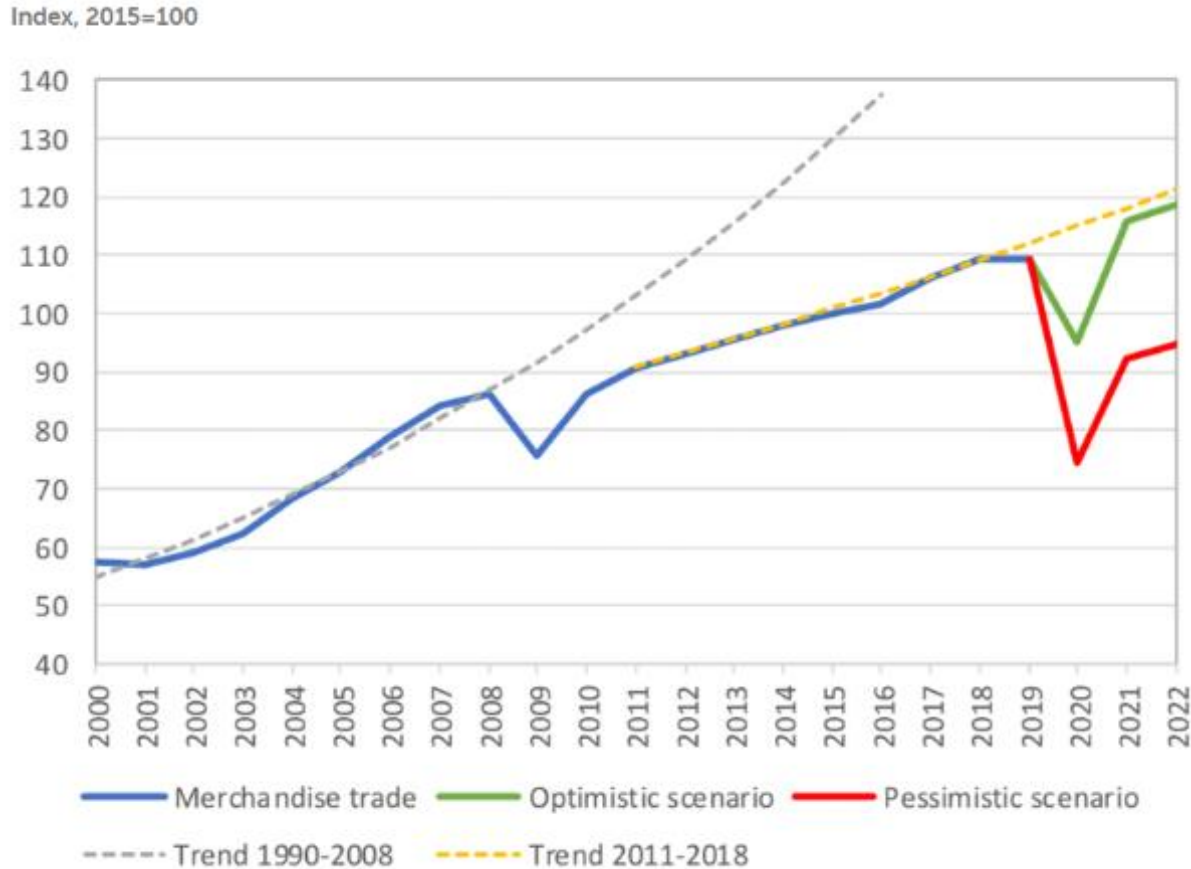
Source: ICAO. Effects of Novel Coronavirus (COVID-19) on Civil Aviation: Economic Impact Analysis

Source: The Economist.



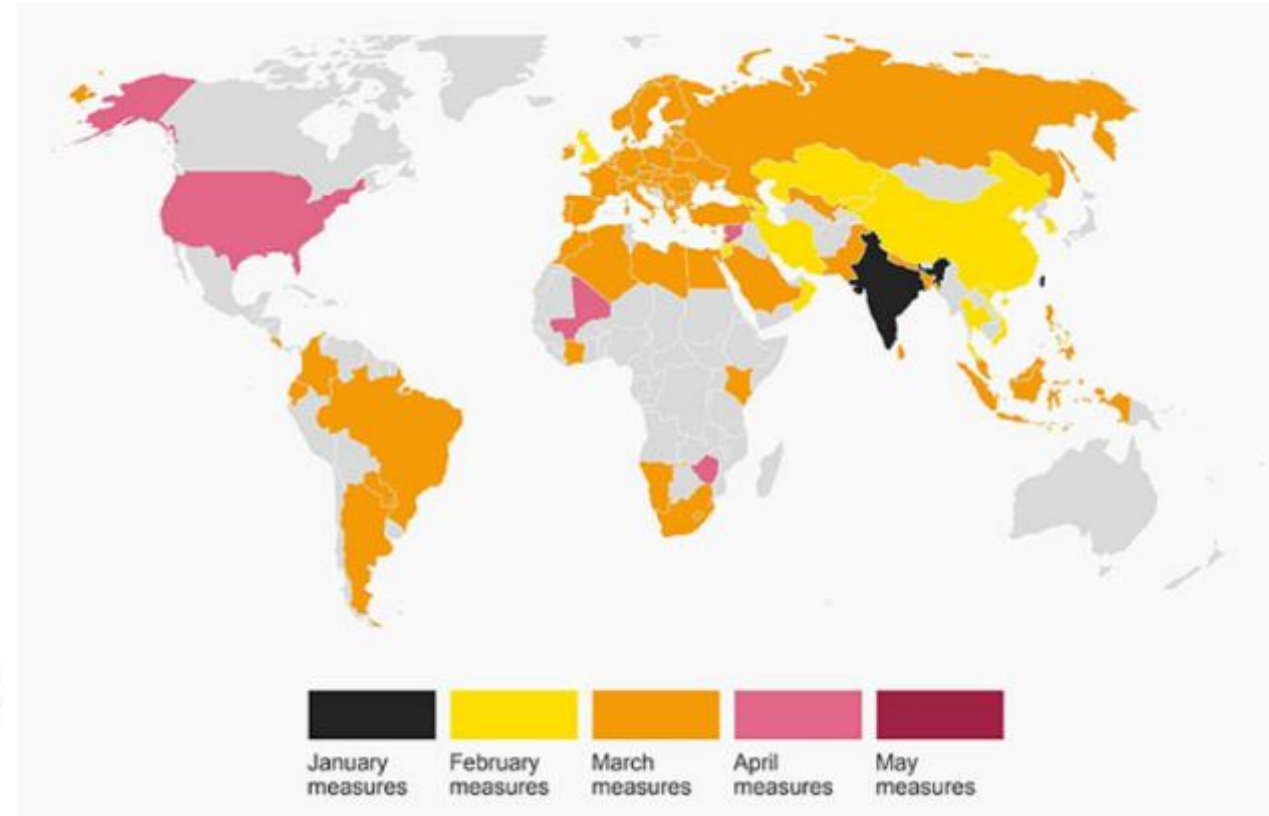
# WORLD TRADE VOLUMES PLUMMETED WHILE COUNTRIES IMPLEMENT EXPORT RESTRICTIONS

## World Merchandise Trade Volume, 2000-2022

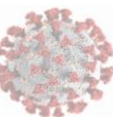


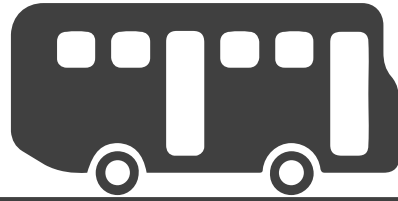
Source: WTO

## Exports of Medical Supplies and Medicines (83 countries with new export controls since January)



Source: Global Trade Alert team and World Bank

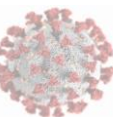
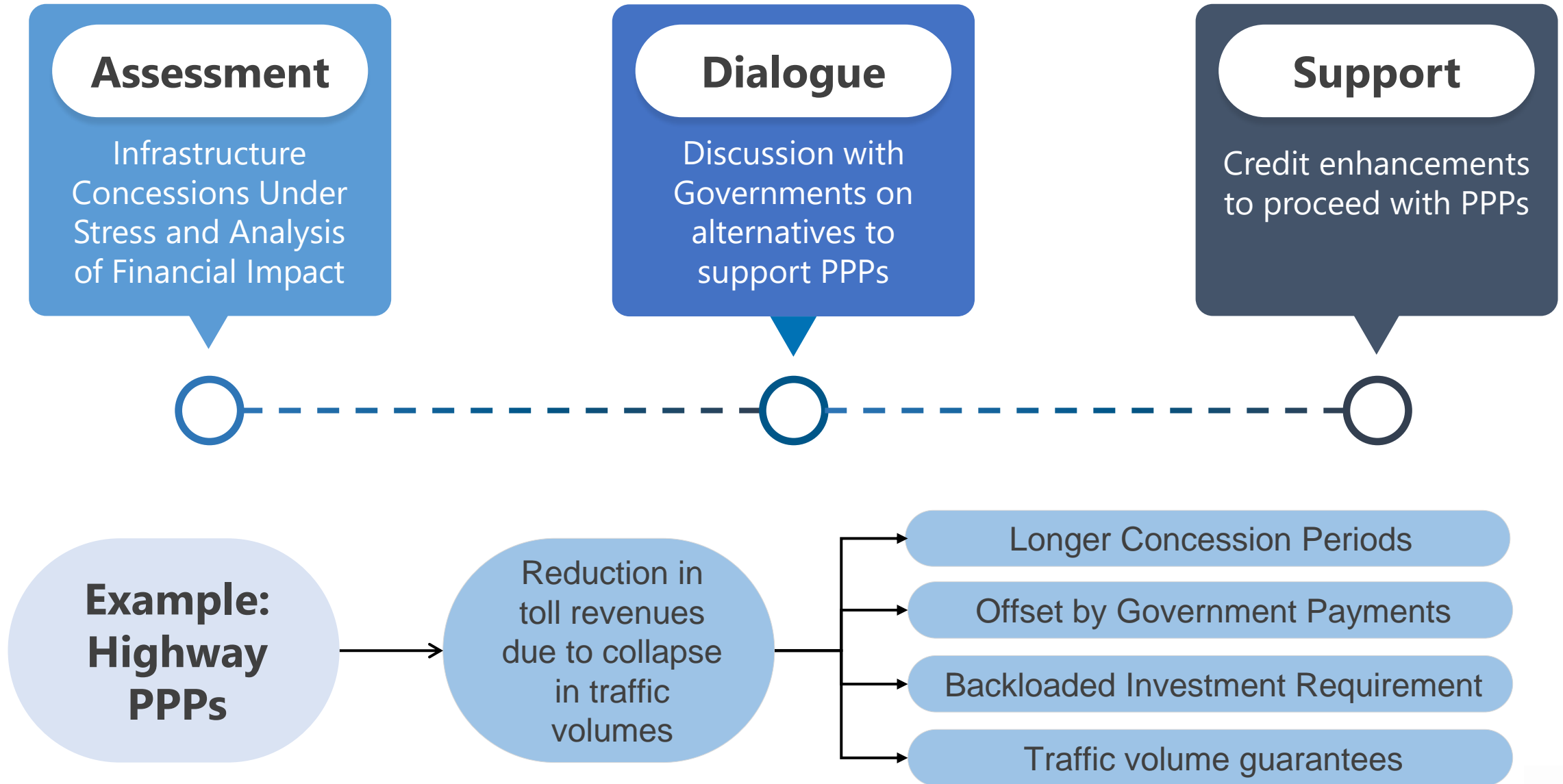









# WORLD BANK RESPONSE

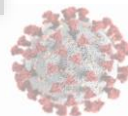
- PPPs on Road Transport
- Labor Intensive Works

# WORLD BANK IS CONDUCTING ASSESSMENTS OF IMPACTS ON INFRASTRUCTURE PPPs

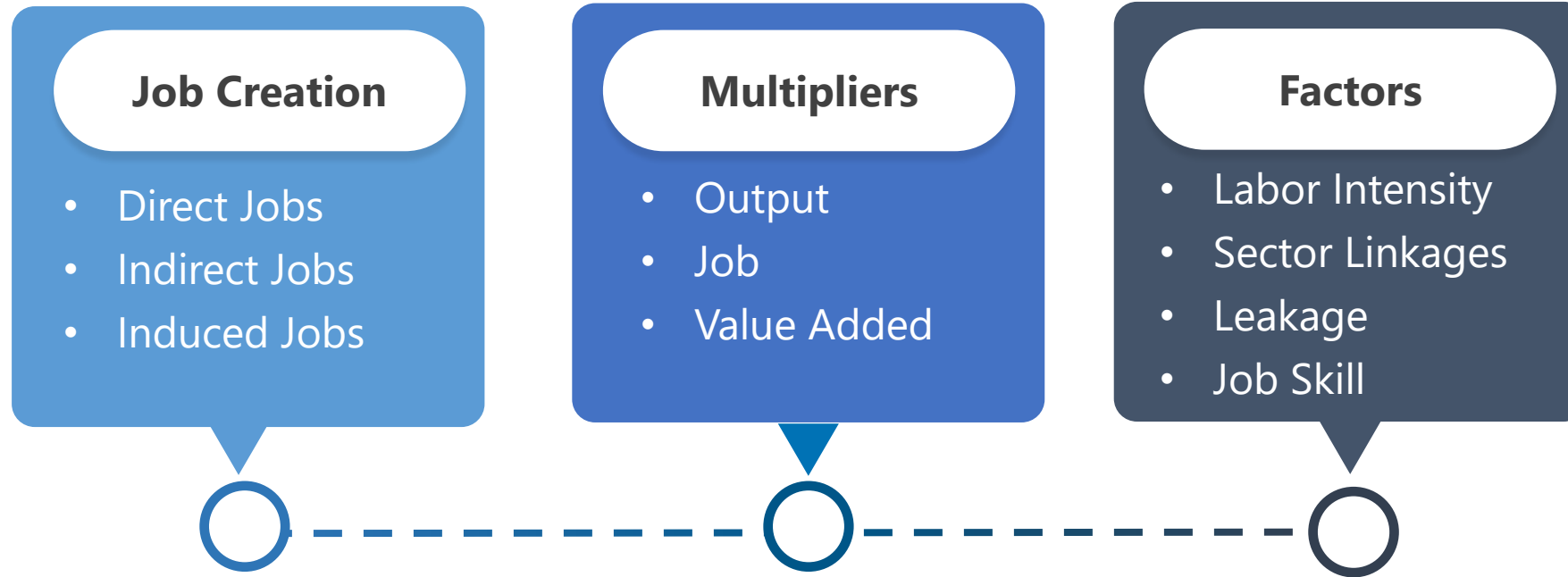


# PPPs ARE UNDER STRESS AND IMPACTS ARE SEEN FROM PREPARATION TO OPERATION

		Short Term	Medium Term
Preparation		Some studies can continue, other cannot	Small delays compared with the contract term, in some cases redesign will be needed
Tendering		In some cases deadline will have to be extended	Risk of no bidders considering a big change in government solvency
Looking for Financing		Delays, higher volatility in FX	<ul style="list-style-type: none"> <li>• Lack of market liquidity, no private interest considering government solvency</li> <li>• Significant delays in financial close</li> </ul>
Construction		Construction stops because lack of workers or supplies. Maybe liquidity struggles	Delays, overruns because of fixed cost, permanent change in the price of supplies, difficulties for refinancing
Operation		Lower revenues from users	<ul style="list-style-type: none"> <li>• Inability to cover opex and debt</li> <li>• Guarantees/take-or-pay triggering</li> <li>• Compensation and Termination Clauses</li> </ul>

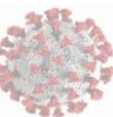


# SUPPORTING RECOVERY WITH INFRASTRUCTURE INVESTMENT

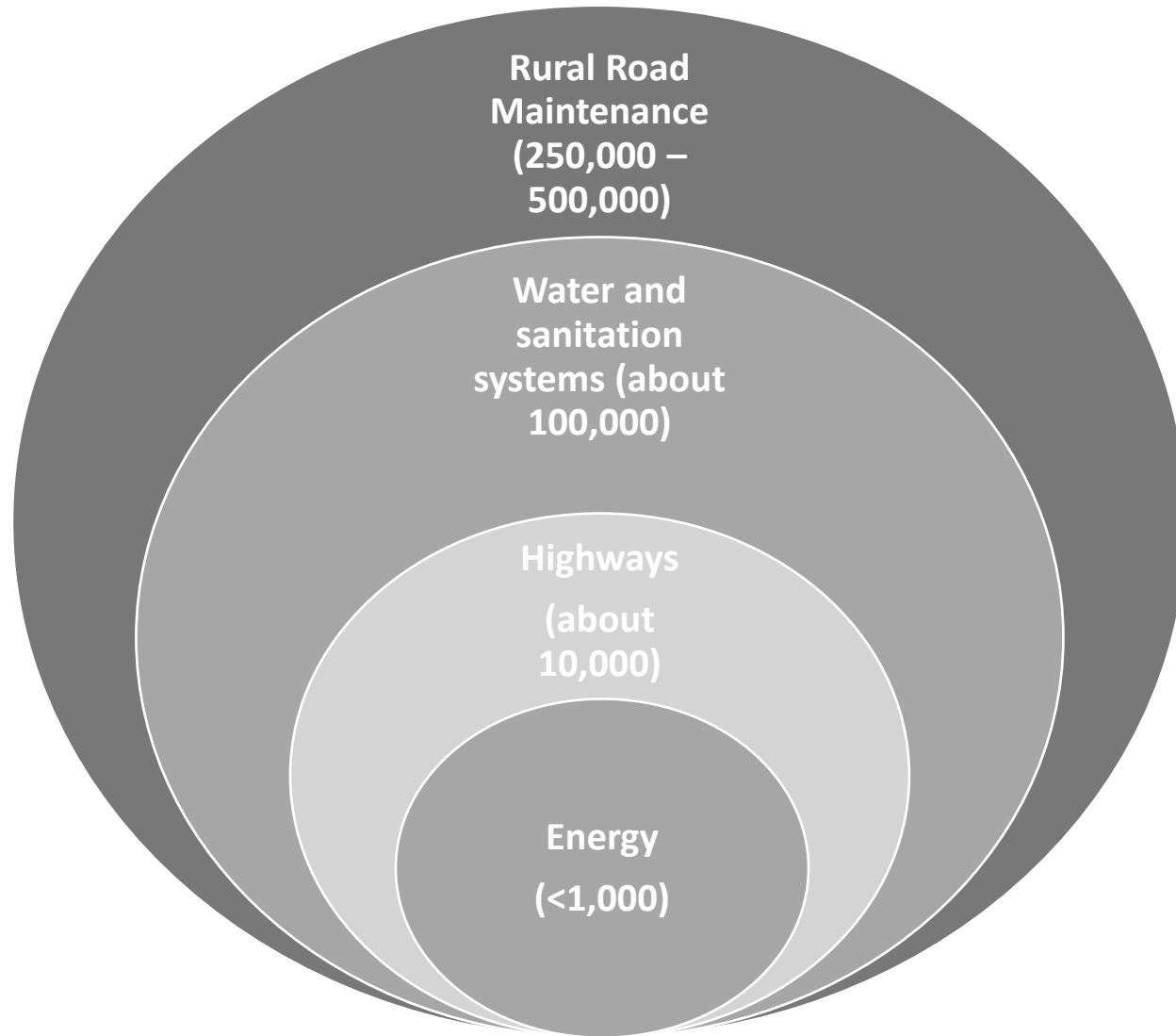


Finance the implementation of labor-intensive, shovel-ready, sustainable transport assets – rural roads, sidewalks and bike-lanes.

Front-load project activities (such road maintenance and spot improvements) will help job creation



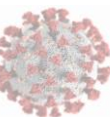
# Transport and the Economic Recovery from COVID-19



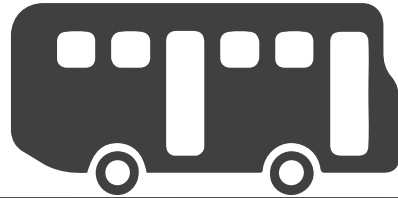
**Short-term employment  
generated by a USD1  
billion public investment**

**(calculated for Latin America after the  
2008/9 Global Financial Crisis)**

*Source: Schwartz, Andres, Dragoiu, WB, 2009*







# **WB Response to COVID-19**

## **in Transport**

**Thank You**

# BRITA ACTIVITIES and ROAD TRAFFIC MEASURES at COVID-19 TIME

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Ningning Wang

 China Highway and Transportation Society

MAY 26, 2020

01

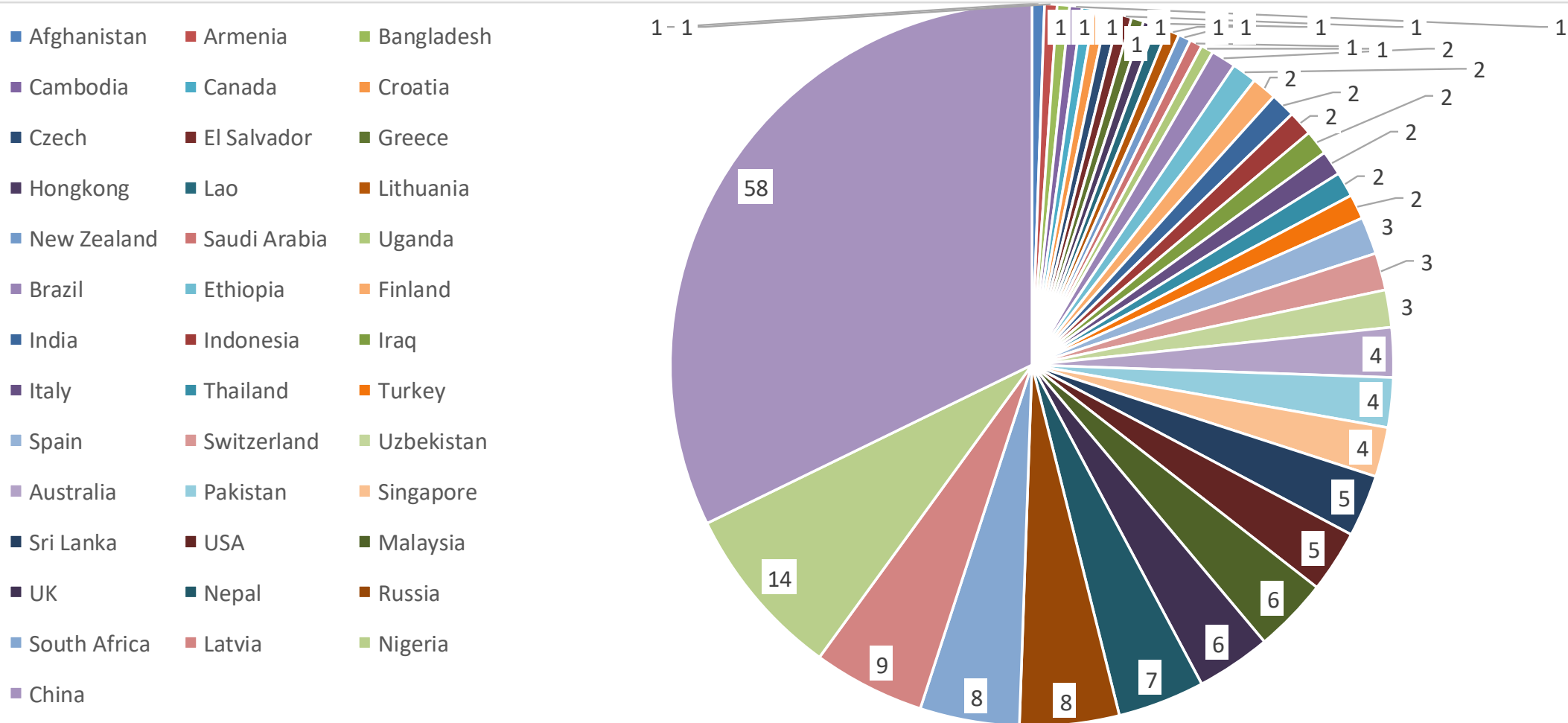
# *A GLANCE at BRITA*

## 1.1 Background

- On 5 June of 2017, the Belt and Road Roundtable Meeting for International Transport Cooperation was convened on in Beijing. More than 60 delegates from over 20 countries and regions reached a consensus on establishment of the **Belt and Road International Transport Alliance (BRITA)** to promote the innovation, fusion and development of global transport technology.
- In June, 2019, the 2019 plenary session of BRITA was held in Beijing, 17 organizations and companies signed *the Framework Agreement on Partnership of Board Members of BRITA.*

# 1. BRITA

## 1.2 BRITA Members (Cont.) [more members from more nations expected]



## 1.3 BRITA Committees

- Road Safety Committee: IRAP, Tongji University

--International Comparative Analyses of Road Traffic Safety Statistics and Safety Modeling

- ITS Committee: ERTICO, China-ITS
- Green & Sustainable Committee: IRF, TPRI (规划院)
- Bridge Technical Committee will be released on June 19, 2020.

02

# BRITA Events

## 2.1 What BRTA have done

### World Transport Convention (WTC)

- The WTC held its inaugural international conference on 4 June 2017, and held annual convention in 2018 and 2019. Over 5000 participants.

- 2017



- 2018





## 2.1 What BRTA have done

- 1. China - Africa Infrastructure International Transport Symposium, June 2018
- 2. BRITA Plenary Meeting, June 2019
- 3. BRITS (Belt and Road International Transport Symposium), June 2019



## 2.1 What BRTA have done

### BRITA international Conference in Nepal March 2019

Hon Puspha Kamal Dahal  
(Prachanda), Chairman of Nepal  
Communist Party and Former  
Prime Minister of Nepal; Chinese  
Ambassador to Nepal Ms. Hou  
Yanqi and other Nepali officials  
Presented the event, and made it  
successful.



## 2.2 Events to be Organized

- BRITA Board Meeting (June 19, 2020)
- International Forum on Transport Cooperation Between Greece And China (TBD)
- United Nations Global Sustainable Transport Conference (TBD)
- Mobility Management Meeting (TBD)
- ITS 2020 (TBD)
- International Cooperation Projects

03

## Road Traffic Measures at COVID-19 Time

# Main measures (Ministry Of Transport)

- Issue protection guidelines
- Transport support for emergency supplies
- Return trip guarantee for migrant workers
- The Motorway toll free



## 3.2 Road passenger transportation

- **Road passenger transportation for example:**
  - **50% of the rated passenger load**, and guide passengers to keep a certain distance from each other.
  - **rear two rows as on-way isolation area**, effectively prevent cross-infection.
  - **set the observation station along the bus route**, in case of passenger fever symptoms.
  - **collect passenger information** through online ticket-seller system, scanning QR code online filling, etc., and promptly forward to the health department.

## 3.3 The highway toll free

- **The highway toll free:**

- Toll free for **small passenger cars**.(since January 23)
- Toll free for **vehicles transporting emergency supplies/medical/patient for epidemic prevention**, with convenient pass priority. (Since January 25)
- Toll free for **chartered vehicles** transporting migrant workers organized by the local government to return to their posts ,with convenient pass priority. (Since February 7)
- Toll free for **all vehicles** on the toll road.(Since February 17 to the end of the epidemic prevention and control work)

# Thank You for Your Attention!

Ms. Wang Ningning: [18811777056@163.com](mailto:18811777056@163.com)



# INTERNATIONAL ROAD FEDERATION (IRF)

PIARC ADVISORY GROUP MEETING  
26 MAY 2020

**SUSANNA ZAMMATARO**  
**DIRECTOR GENERAL**



International Road Federation  
Fédération Routière Internationale  
Federación Internacional de Carreteras  
[www.irfnet.ch](http://www.irfnet.ch)



International Road Federation  
Fédération Routière Internationale  
Federación Internacional de Carreteras

**Global, Independent, Not-  
for-profit Organisation**  
established in **1948**.

Based in **Geneva**, Switzerland.  
UN ECOSOC status since 1951.

Assisting **public** and **private**  
stakeholders in Roads & Mobility  
sector for the past **72 years**

**3 Strategic Pillars of Activities:**



**Knowledge**  
**Connections**  
**Advocacy**



# Working Group Data Sharing for Sustainable Urban Mobility

IRF Co-leads with  wbcisd



# IRF WORLD ROAD STATISTICS



International Road Federation  
Federation Routiere Internationale  
Federacion Internacional de Carreteras

IRF WORLD ROAD STATISTICS  
2019  
DATA 2012 - 2017

with the support of  
DINESHCHANDRA R. AGRAWAL  
INFRACON PVT. LTD.  
GUJARAT, INDIA

DRA

Road Networks

Country Profiles

Production, Import, First Registration & Export of Motor Vehicles

Road Traffic Volumes

Road Accidents

Multimodal Traffic Comparisons

Vehicles in Use

Road Expenditures & Revenues

- Edited yearly since 1964 (**56 years**).
- Covering **208 countries, 56 indicators**, 11 sections.
- Data collected from **primary statistical sources** (Ministries, Road Authorities, National Statistical Offices)
- **Definitions** based on the **Glossary of Transport Statistics** (ITF/EUROSTAT/UNECE) and The World Bank



International Road Federation  
Fédération Routière Internationale  
Federación Internacional de Carreteras

# IRF GLOBAL ROAD DATAWAREHOUSE

with the support of  



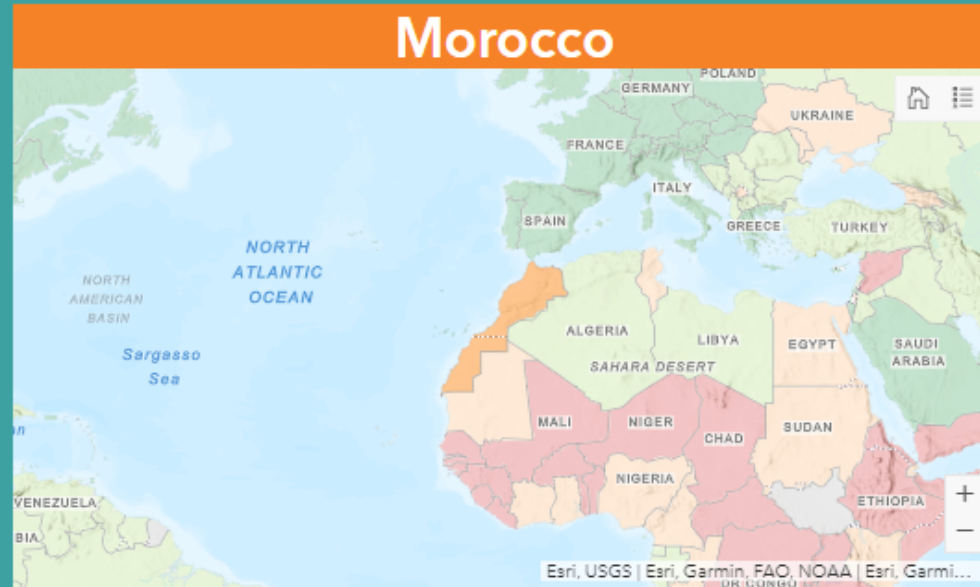

[www.irfnet.ch](http://www.irfnet.ch)

**Income Group**

- High Income
- Upper Middle Income
- Lower Middle Income
- Low Income

**Select Country - Map 1**

- Morocco
- Mozambique
- Myanmar
- Namibia
- Nepal
- Netherlands**
- New Caledonia
- New Zealand
- Nicaragua
- Niger
- Nigeria
- North Macedonia



International Road Federation  
Federación Internacional de Carreteras

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With support from

**Select Country Map 2**

- Mexico
- Micronesia, Fed. Sts.
- Moldova
- Monaco
- Mongolia
- Montenegro
- Morocco**
- Mozambique
- Myanmar
- Namibia
- Nepal

### Country Metrics

Fatalities per 100,000 Population	Vehicles per 1,000 Population	Road Network Density (km/km <sup>2</sup> )	Paved Roads
<b>3.6</b> (2017)	<b>549.1</b> (2017)	<b>5.50</b> (2017)	<b>75%</b> (2017)

### Country Metrics

Fatalities per 100,000 Population	Vehicles per 1,000 Population	Road Network Density (km/km <sup>2</sup> )	Paved Roads
<b>10.4</b> (2017)	<b>109.9</b> (2017)	<b>0.13</b> (2017)	<b>76%</b> (2017)

### Region Metrics

Fatalities per 100,000 Population	Vehicles per 1,000 Population
<b>6.0</b> (2017)	<b>536.2</b> (2017)

### Income Group Metrics

Fatalities per 100,000 Population	Vehicles per 1,000 Population
<b>9.1</b> (2017)	<b>618.1</b> (2017)

### Region Metrics

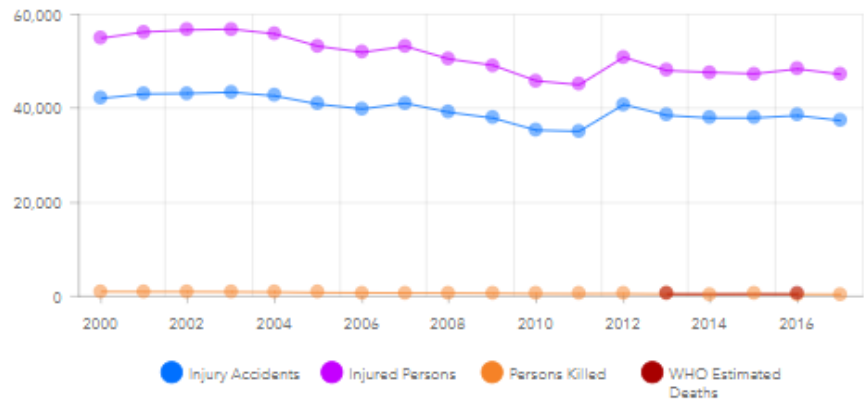
Fatalities per 100,000 Population	Vehicles per 1,000 Population
<b>7.1</b> (2017)	<b>111.6</b> (2017)

### Income Group Metrics

Fatalities per 100,000 Population	Vehicles per 1,000 Population
<b>12.6</b> (2017)	<b>160.3</b> (2017)



## Road Accident Injuries

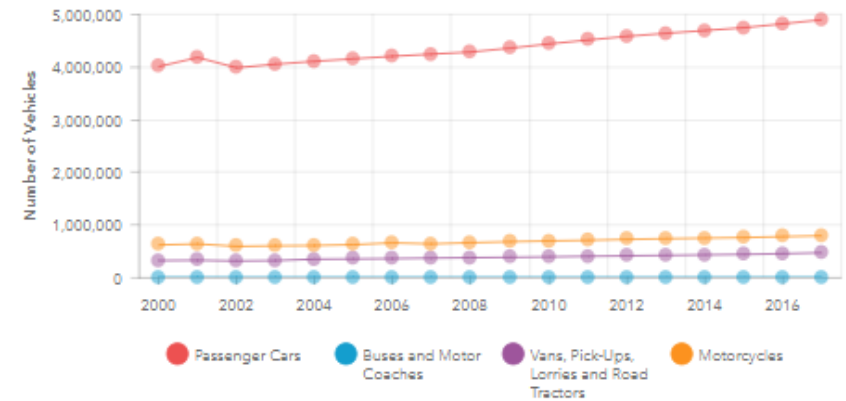


## Austria

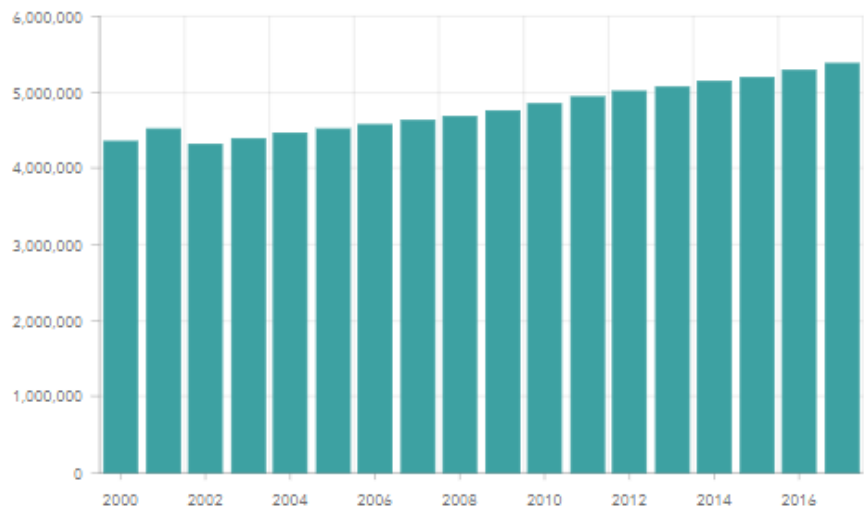


Population **8,797,566**  
 Road Network Density **1.66 km/km<sup>2</sup>**  
 High Income (2017)

## Vehicles in Use



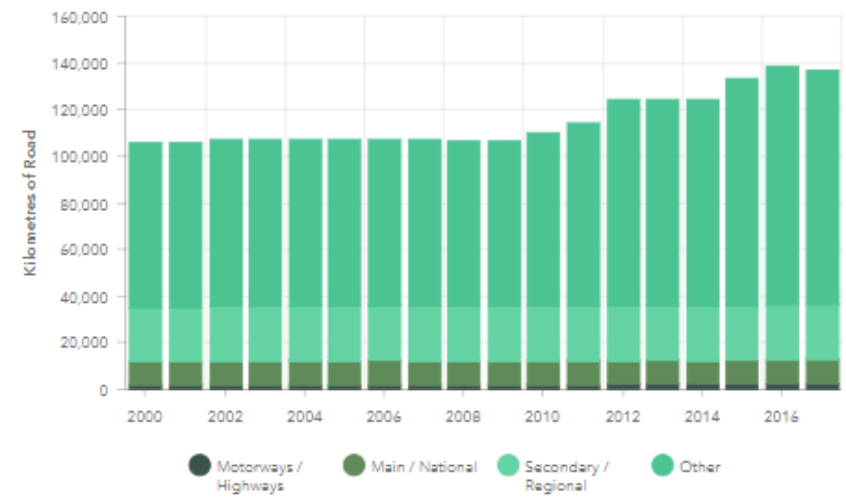
## Total Vehicles



## Road Accidents: Country/Region

Metric	Austria (2017)	High Income Average	Europe Regional Average
Persons killed per 100,000 population	4.7	4.8	6.0
Injury accidents per 100,000 population	425.1	192.9	191.9

## Road Network Length



# Capacity-Building... in the country

- Multi-stakeholders capacity building on data
- RS in-country Private Sector Coalitions
- T2 Centres in Africa,
- UNRS Trust Fund Project Tanzania
- New On-line trainings on Sustainability



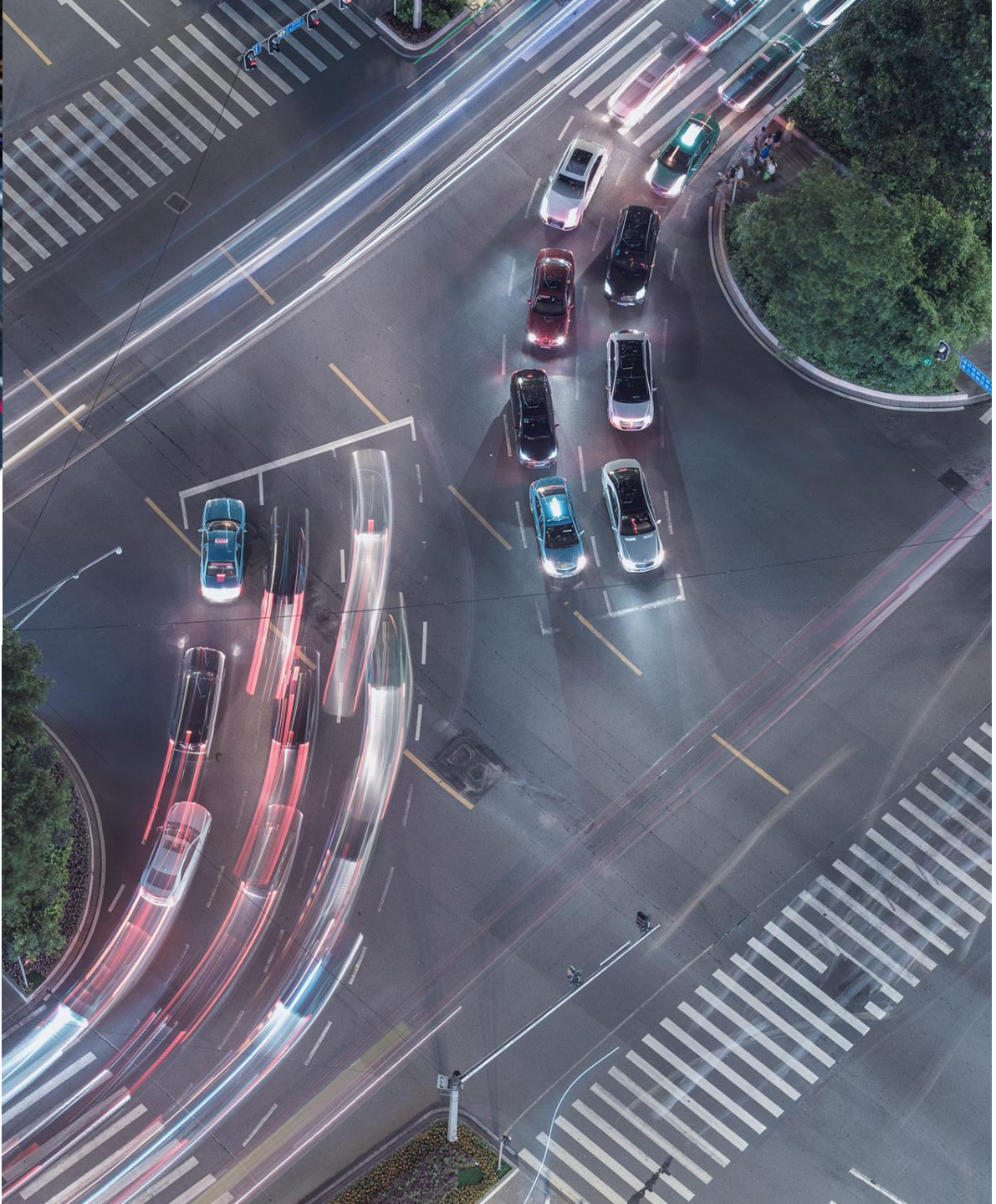
The Ten Step Plan for Safer Road Infrastructure







International Road Federation  
 Fédération Routière Internationale  
 Federación Internacional de Carreteras



IRF Committee  
**Connected and  
 Autonomous Mobility (CAMC)**

[www.irfnet.ch/committees](http://www.irfnet.ch/committees)

In collaboration with



**EU Horizon 2020  
 Demonstration  
 Project**

# CORONA VIRUS COVID-19



- **IRF Position Paper** on Recovery post Covid-19
- **Webinars:** 10 June – Impacts on LMICs  
16 June – Resilience  
23 June – Assets Management
- **IRF Africa Board**
- **Resources:** Slocat & SuM4All



700'000 Km of new roads built x year  
worldwide

500 bn Euros/year for road  
construction and maintenance



International Road Federation  
Fédération Routière Internationale  
Federación Internacional de Carreteras

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**Website:** WWW.IRFNET.CH

 [irfgtkp](https://twitter.com/irfgtkp)



# COVID-19 IN THE UNITED STATES

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MAY 25, 2020

JEFFREY F. PANIATI

EXECUTIVE DIRECTOR & CEO

INSTITUTE OF TRANSPORTATION ENGINEERS

# ITE RESPONSE TO COVID-19

- **Curated Resource Page**

Transportation Resources, Transportation Impacts, Organizational Tools, Personal/Family Guidance

- **Deeper Dives**

Transportation Talks Podcast - Future of Transit

Learning Hub Webinar - Open Streets for Walking and Biking

Working Group - Traffic Counting Considerations

- **New Engagement Opportunities**

Virtual Drop-ins – 30-minute, Unstructured Focus-Group Discussions Every Tuesday and Thursday

- **Reimagined ITE Annual Meeting and Exhibit**

August 4-20

Tuesday-Thursday, 11:00-5:30 EDT

Plenary and Technical Sessions, Poster Presentations, Workshops

Exhibitor Showcase



# TRANSPORTATION IMPACTS



## AIR TRAVEL

- Domestic Flights down 68%
- International Flights down 91%
- Passenger Screenings down 92%



## MASS TRANSIT

Rail Travel down 85-95%



## TRAFFIC VOLUMES

Truck Volumes: steady at 95% of prior year

Auto Volumes:

- Late March to late April – 50-60% of prior year
- Mid-May – 75-80% of prior year



## SAFETY

2020, Quarter 1:

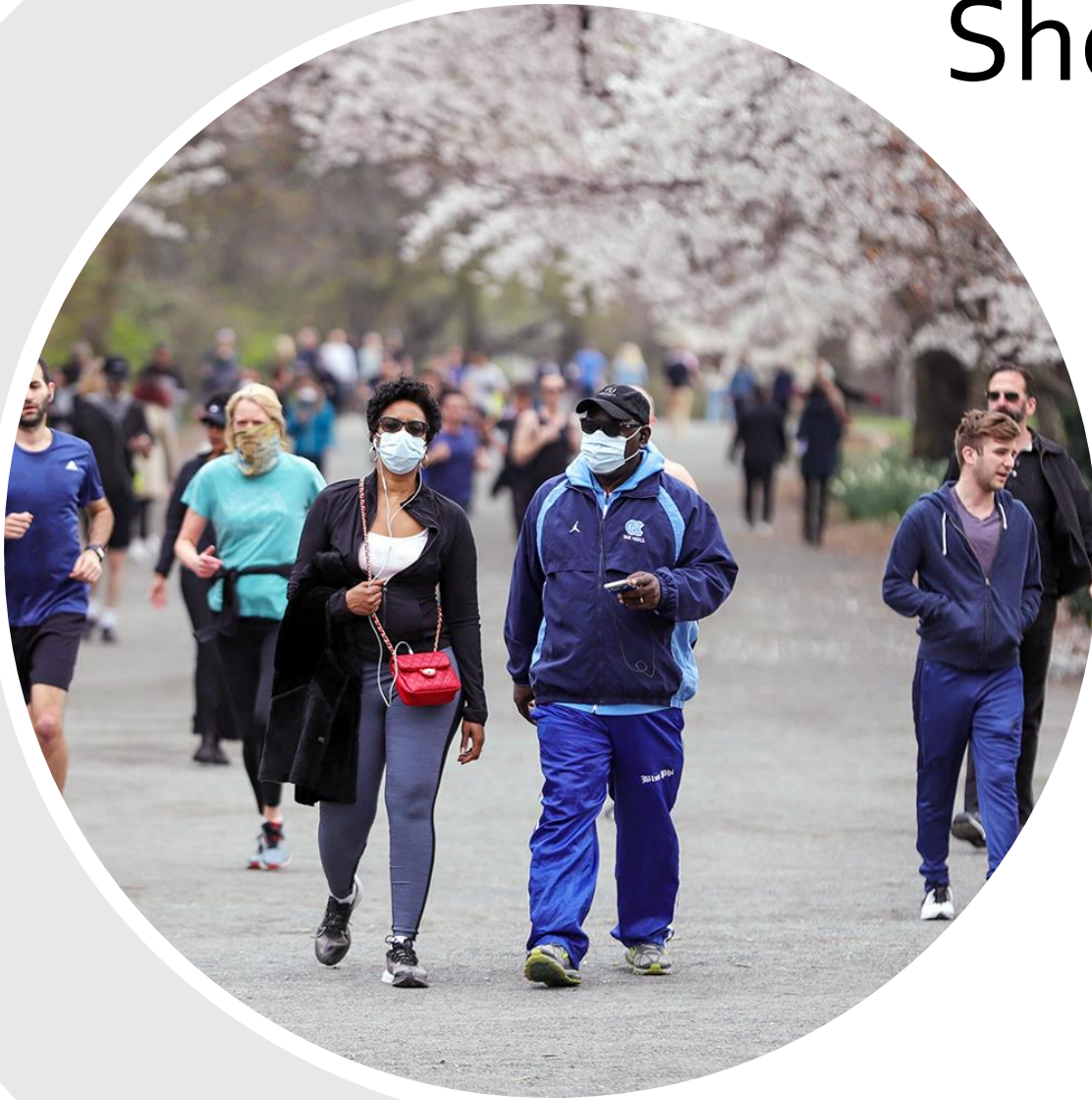
- Fatalities down 8%
- Fatality Rate up 14%



## OPEN STREETS

Hundreds of miles of urban streets opened for increased walking and biking

# Short-Term (Pre-Vaccine) Expectations



- This period could last 8 to 18 months,
- Conditions will continue to vary regionally,
- May involve localized closures (Fall?) due to reemergence of virus,
- Remotely enabled workers (30%) will exclusively or largely continue to work from home (WFH),
- Activity will be determined by individual risk assessments, not just “openings,”
- Activity will be “generational” – young people more, older people less.

# Short-Term (Pre-Vaccine) Transportation Impacts



- Overall passenger transportation demand will remain depressed,
- Freight transportation demand will be at or above historic levels,
- Air travel will be dramatically depressed,
- Transit use/service will be limited to essential/service workers with limited options,
- Micromobility options/usage will be limited,
- Biking and walking will continue at elevated levels for short distance travel and exercise,
- Single Occupant Vehicle (SOV) usage will have increased mode share; congestion will remain down,
- Overall fatalities will remain down; fatality rate will remain elevated.



# LONGER-TERM QUESTIONS AND IMPLICATIONS

- **Reduced Long-Distance Travel**
  - Continued reliance on video conferencing
  - Reduction in travel budgets
- **Shift to Permanent (full or part time) WFH Arrangements**
  - Widespread comfort with technology tools
  - Increased employer confidence in managing employee productivity remotely
  - Increased worker desire to work remotely
- **Reduction in Demand for Downtown Office Space**
  - Impacts on Central Business Districts – restaurants, business, parking
  - Change in demand for micro-mobility

# LONGER-TERM QUESTIONS AND IMPLICATIONS (CONTINUED)

- **Mode Shift Away from Mass Transit and Toward Single Occupant Vehicles**
  - Change in rationale for & availability of transit – equity considerations
  - Potential increase in congestion and parking demand
  - Increased space for walking and biking
- **Funding for Transportation**
  - Federal stimulus/reauthorization
  - COVID-19 budget pressures at State and local level
  - Length and shape of recovery

# FOR MORE INFORMATION

ITE COVID-19 RESOURCE  
CENTER

[HTTPS://WWW.ITE.ORG/ABOUT-  
ITE/COVID-19-RESOURCES/](https://www.ite.org/about-ite/covid-19-resources/)

# Urban Mobility in times of COVID-19

Ivo Cré, Polis



**Peer-to-peer exchange**

**Policy**

**Research**

**Innovation**

**+80 Cities & regions**

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**POLIS**

CITIES AND REGIONS FOR TRANSPORT INNOVATION



[www.polisnetwork.eu](http://www.polisnetwork.eu)



# No recipe for this disaster





# Cities stepping into the frontlines



## Rotterdam uses camera car for compliance with corona rules

To enforce compliance with the rules regarding group formation and to keep sufficient distance, the municipality of Rotterdam is using two Arvo camera cars. The camera cars will be used specific... [READ MORE →](#)



## New Zealand invests in pop-up bike lanes and safer streets during lockdown

New Zealand has announced new plans have been announced to fund the creation of pop-up bike lanes and safer streets to help people move around during lockdown measures in the country. The measures,... [READ MORE →](#)



## Budapest launches temporary bike lanes to get city moving

The Municipality of Budapest has decided to establish temporary bicycle lanes for several key routes around the city. The capital's aim with this decision is to provide its residents with an alt... [READ MORE →](#)



## Data from Rome reveals changing travel during COVID-19

Italy has been heavily affected by the COVID-19 outbreak and Italian cities have felt major impacts from the virus, including in mobility. In response to the virus outbreak, cities have implem... [READ MORE →](#)



## Manchester launches free metro offer for health and social workers

Tram services across Greater Manchester will be free for National Health Service (NHS) workers and social workers from 10 April. The offer was launched to support these key wo at a challenging... [READ MORE →](#)

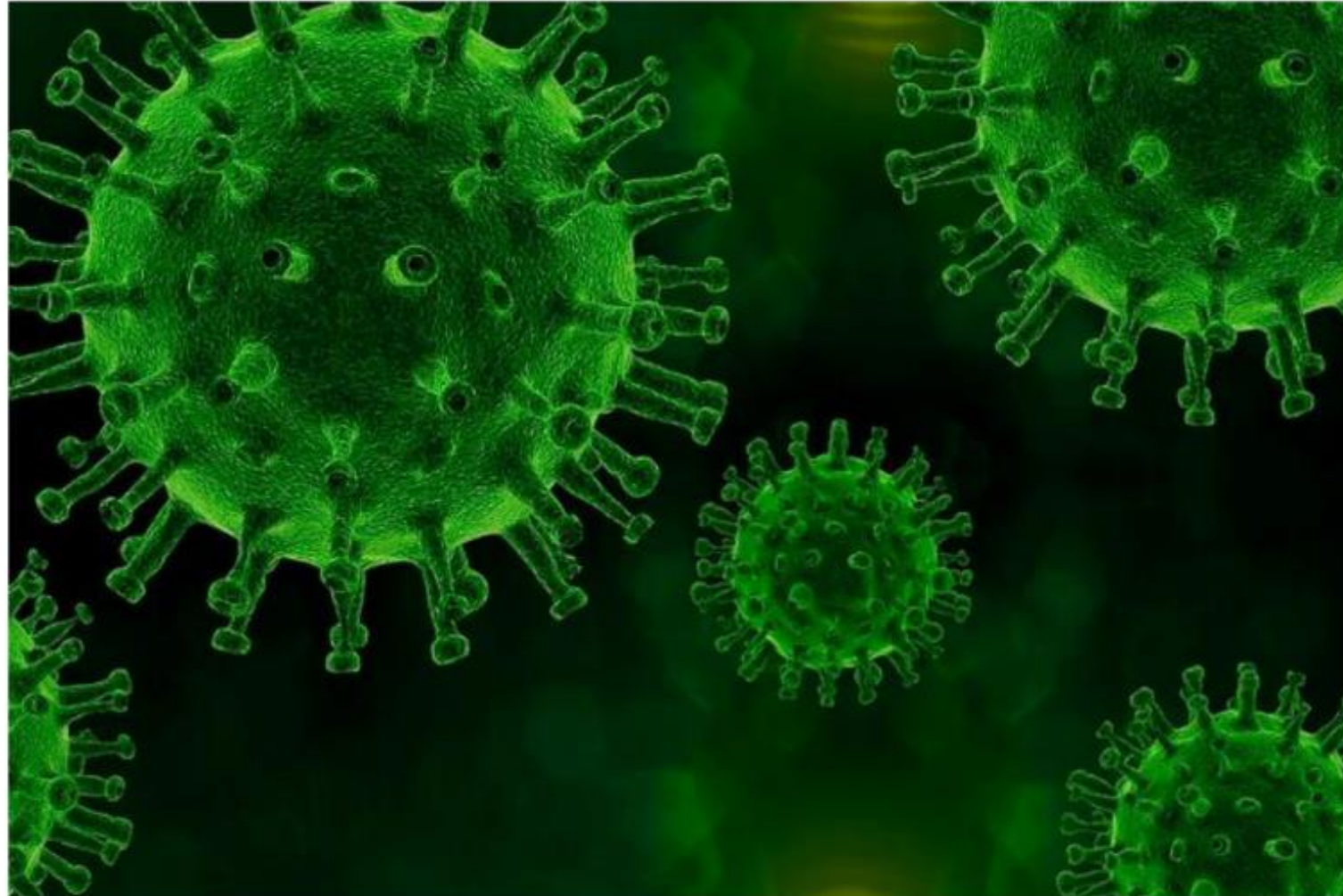


## Barcelona launches 'solidarity buses' to transport COVID-19 patients

Barcelona's city transport system has launched a new service of 'solidarity buses' to trans COVID-19 patients to secure facilities. Transfers of patients with Covid-19 are now under using T... [READ MORE →](#)



# From lockdown to gridlock?







**Redistributed  
space**

**Active travel  
boom**

**Cleaner air**

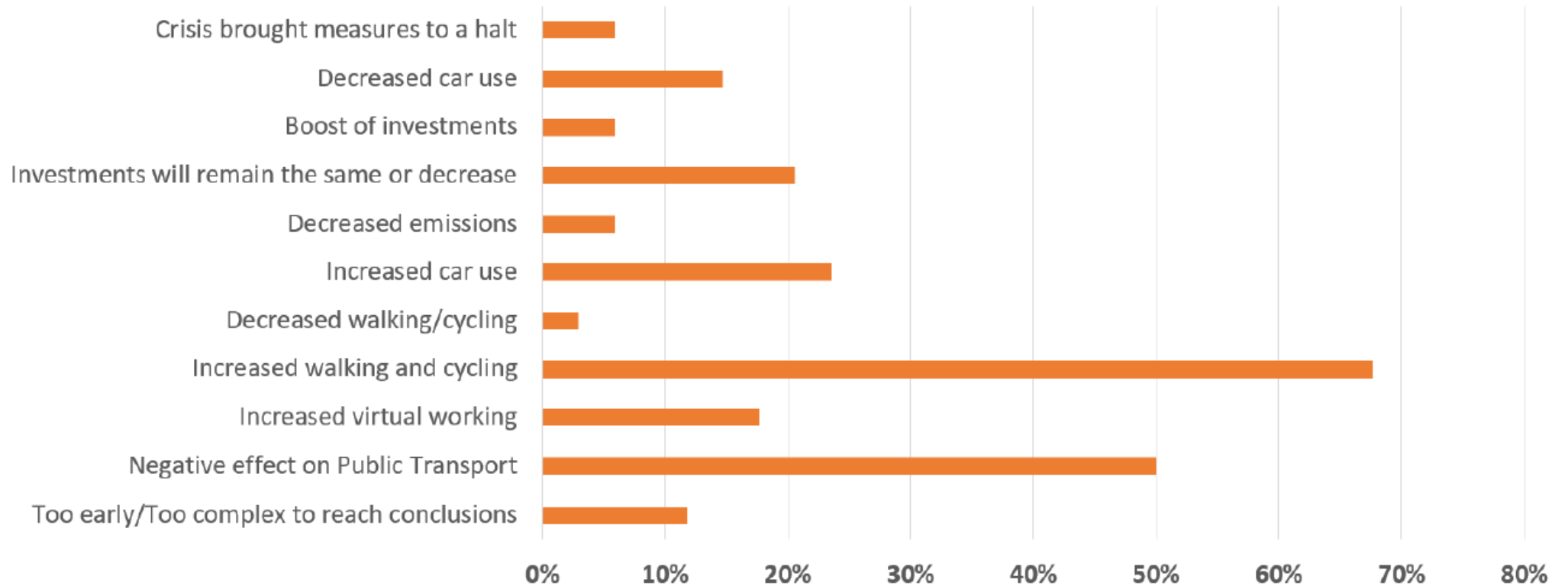
**No congestion**

**...**



# How are cities coming out of the lockdown?

**Question: How do you think this health crisis, and its subsequent financial implications, will impact, in the future, your organisation's actions on sustainable mobility?**



# Fast-tracking

be  
good  
move  
be .brussels

## COVID19 and the Brussels' Sustainable Urban Mobility Plan



Mobility measures in Brussels to enable social distancing and tackle COVID19

30 avril 2020



BRUXELLES MOBILITÉ  
SERVICE PUBLIC RÉGIONAL DE BRUXELLES

## Piano di azione per la mobilità urbana post COVID

# RME

RETE DI MOBILITÀ D'EMERGENZA



Comune di Milano



AGENZIA  
MOBILITÀ  
AMBIENTE  
TERRITORIO

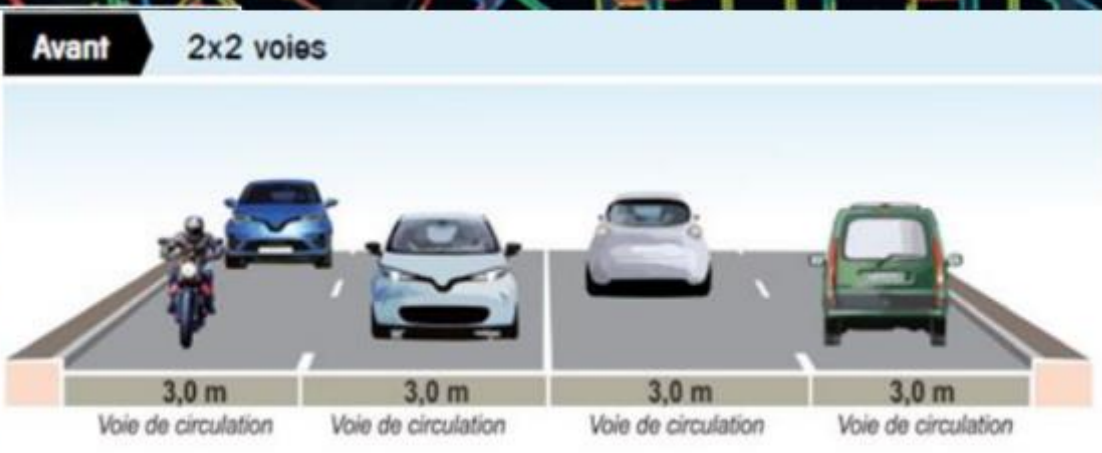
Milano 2020. Strategia di adattamento

### Strade Aperte

Strategie, azioni e strumenti per la ciclabilità e la pedonalità, a garanzia delle misure di distanziamento negli spostamenti urbani e per una mobilità sostenibile



# Respacing streets



- Corridoi
- Esistents
  - Parzialmente realizzate
  - Realizzazione in corso
  - Da realizzare

Sources: Barcelona, Brussels, Milan, Rome



# But also...



## Public transport capacity with a 33% occupancy

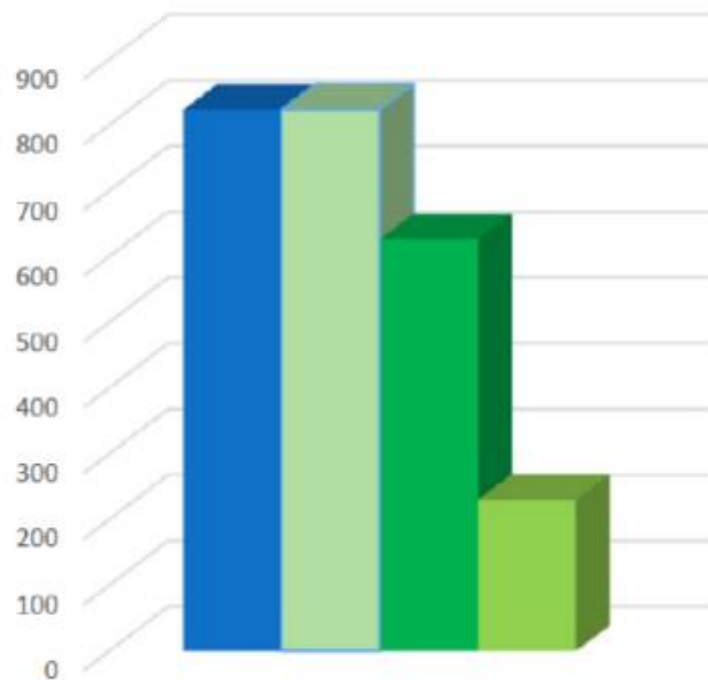
- Base supply
- Supply (100% circulations)
- Base demand
- Capacity (33% occupancy)

Public transport is the only high-capacity, long-distance and sustainable system.

### Update

4/05/2020:

- mandatory mask
- 50% maximum occupancy



Instead of transporting the usual 1,37 mln commuters/day, Milan's subway will work at 30% of its normal capacity, meaning only 400.000 commuters can be transported.

For the other 70% - the new plan should bring a part of the solution.



# Triggers

Life-  
changing  
moments

Biggest  
sandbox  
ever

A friend in  
need ...



An integrated  
multimodal  
sustainable urban  
mobility  
ecosystem

**OLIS**



# Integrated multimodal sustainable urban mobility ecosystem

## Integration PT & shared mobility

- take pressure away from PT
- spread capacity & shift travellers to shared bikes, e-bikes and e-scooters
- adopt broader definition of PT
- embrace a mix of mass transit and shared mobility
- **Public-Private Partnerships**
  - new business models
  - subsidies
- **Data**
  - Mobility as a Service



# Bouncing back



- Cities and regions have shown they can act fast in times of emergency
- PT is an essential service we can rely on
- Active travel has proven more than ever it deserves more space
- Cities and regions will show their resilience, but...

**They need support from other levels of government!**





# Thank you!

[icre@polisnetwork.eu](mailto:icre@polisnetwork.eu)

[www.polisnetwork.eu/2020-annual-polis-conference/](http://www.polisnetwork.eu/2020-annual-polis-conference/)

[www.polisnetwork.eu/document/covid-19-keeping-things-moving/](http://www.polisnetwork.eu/document/covid-19-keeping-things-moving/)

[www.polisnetwork.eu/news/post-lockdown-mobility-a-covid-19-webinar-series-for-polis-members/](http://www.polisnetwork.eu/news/post-lockdown-mobility-a-covid-19-webinar-series-for-polis-members/)

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*The National Academies of*  
SCIENCES • ENGINEERING • MEDICINE

TRANSPORTATION RESEARCH BOARD

# TRB's Response to COVID-19

PIARC Advisory Group

May 26, 2020

# TRB's Response to COVID-19

- National Academies' Standing Committee on Emerging Infectious Diseases and 21st Century Health Threats
- Conversion of all meetings to online; postponement of conferences, potential for online conferences
- Communications: website, e-newsletter, social media postings
- Cooperative Research Program reports and Transportation Research Record papers related to pandemics/emergency management
- TRID database featuring pandemic/communicable diseases

# TRB's Response to COVID-19

- Research issues related to COVID-19
- Research Needs Statements Express
- CRP research projects being identified; NCHRP \$1m set aside
- TRB committees addressing COVID-19 issues
- Marine Board 2-day session on COVID-19
- TRB webinars: pandemic best practices; supply chain issues
- Update to *Critical Issues in Transportation 2019*
- TRB Annual Meeting planning

# Potential Joint PIARC-TRB Activities

- Liaisons communicate about activities of each partner with committees
- PIARC presentations during TRB Annual Meeting
- Joint webinars
- Joint committee meetings
- Promotion in partner communications (e.g. e-newsletters) and publications
- PIARC will be a liaison on TRB's International Council



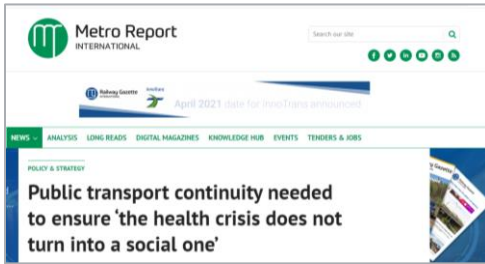
26 May 2020

# **Covid-19 pandemic: First lessons learned for public transport & recent UITP activities**

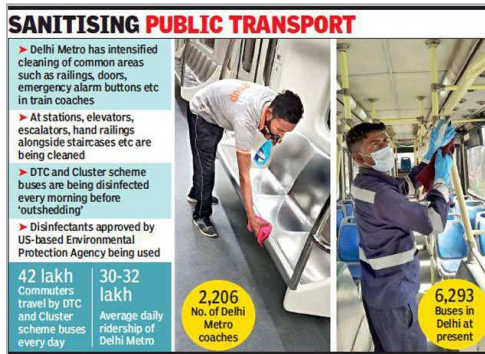
Mohamed Mezghani  
Secretary General

 @MedMezghani

# > FIRST LESSONS LEARNED FROM COVID-19



- The essential role of public transport



- The need to restore trust to welcome passengers back



- The need for financial support



- The growing need to develop sustainable mobility solutions



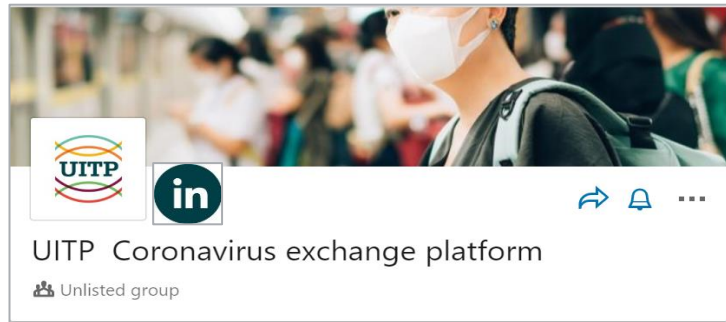
# ➤ RECENT UITP ACTIVITIES



- Knowledge



- Campaigns



- Exchange Platform



- Webinars



- Advocacy



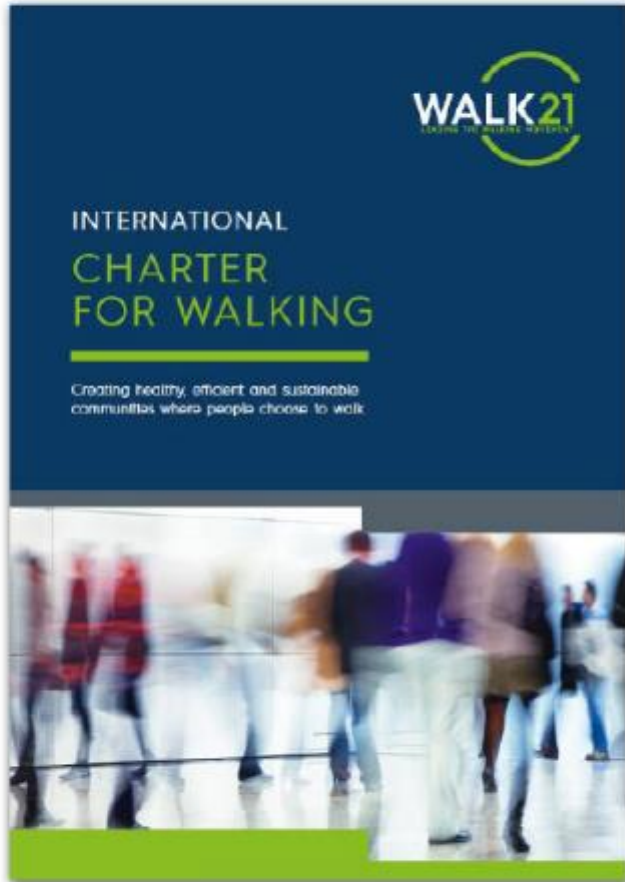
**Jim Walker**



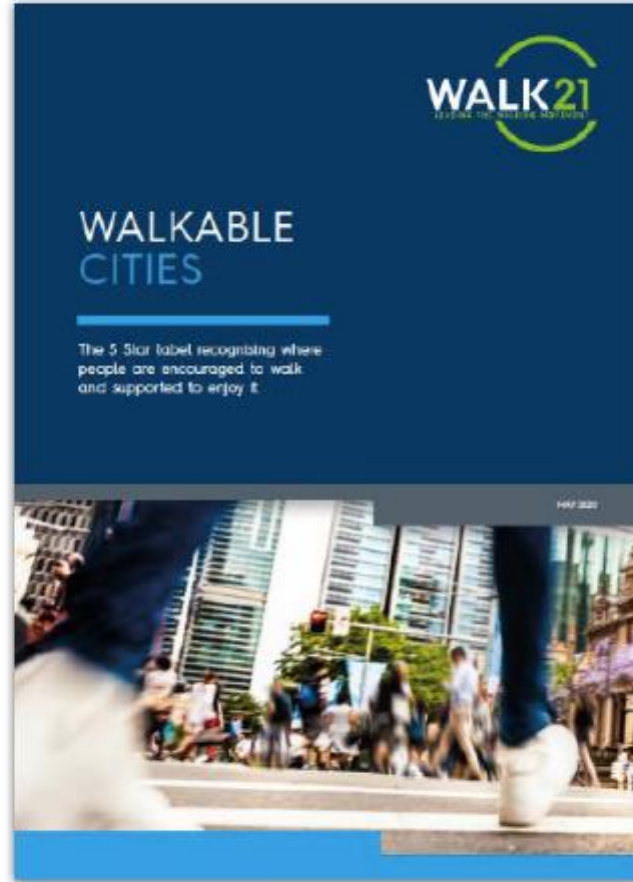
**PIARC Webinar**

**26 May 2020**

## Political Commitment



## Practitioner Action



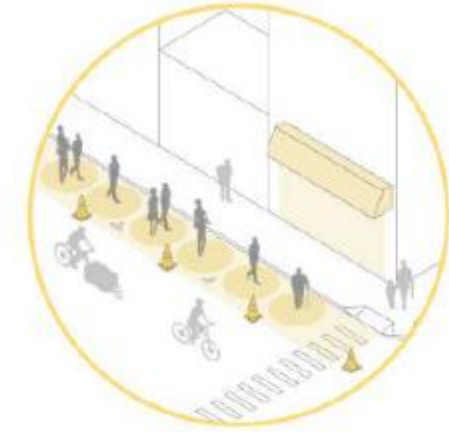
## Community Benefit





PHOTO CREDIT: AFP  
<https://www.straitstimes.com/world/europe/super-spreaders-covid-19-myth-or-reality>

PIARC Webinar



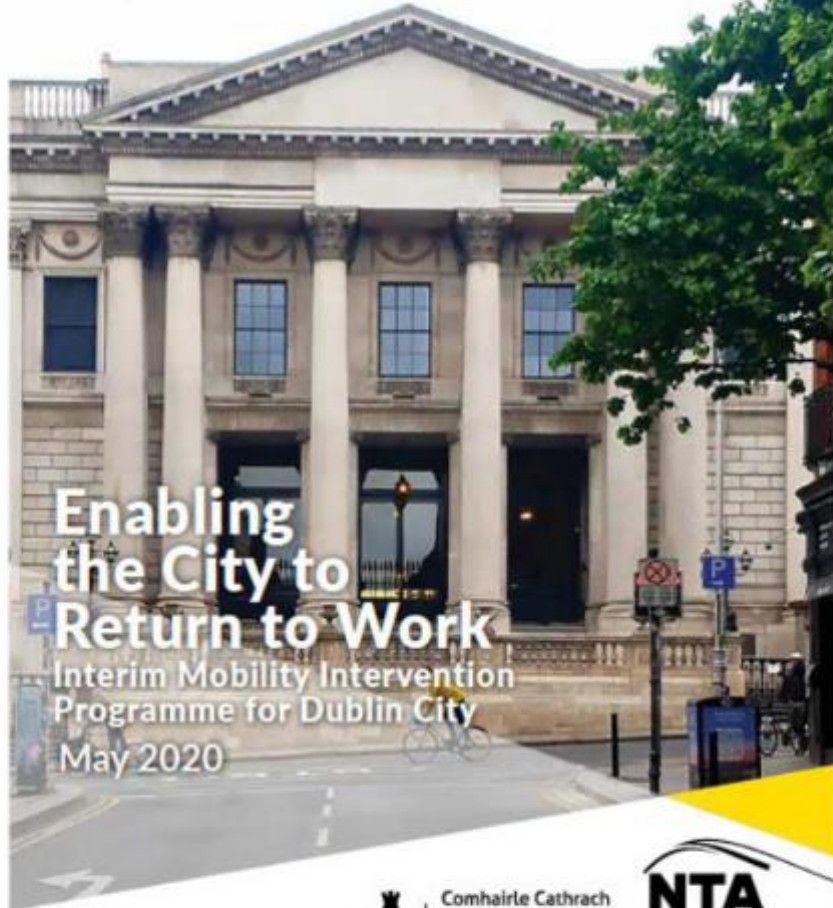
## Streets for Pandemic Response & Recovery



**COVID-19**  
Public Health  
Civil Emergency



Coronavirus  
**COVID-19**  
National  
Programme



**Enabling  
the City to  
Return to Work**  
Interim Mobility Intervention  
Programme for Dublin City  
May 2020

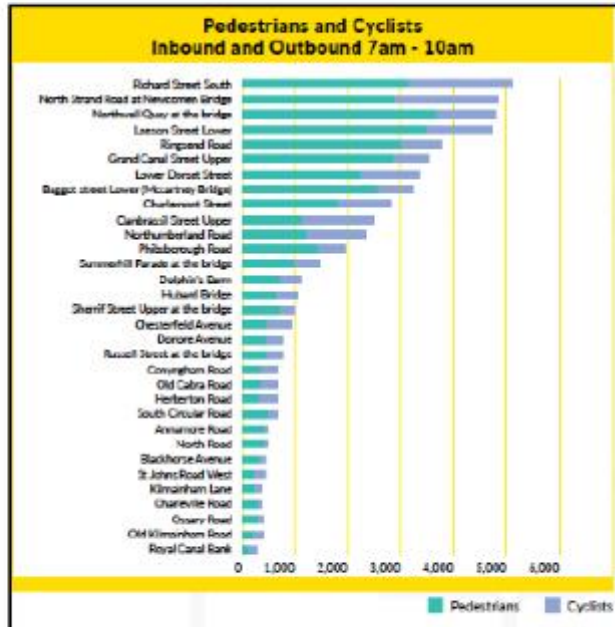


Comhairle Cathrach  
Bhaile Átha Cliath  
Dublin City Council



Udarás Náisiúnta Iompair  
National Transport Authority

	2019 Figures	Likely Future Change	Potential Future Figures
All Public Transport	116,287	80% Capacity Reduction	30,000
Car	57,985	Approx. 30% reduction	41,000
Taxi	2,661	Assume 30% reduction	1,900
Walk	24,691	Target 100% increase	50,000
Cycle	13,131	Target 300% increase	39,000
Goods	983	No change	1,000
Motorcycles	1,485	No change	1,485
<b>TOTALS</b>	<b>217,223</b>		<b>163,385</b>



# 88% of pedestrian travel occurs on roads that are unsafe



No Sidewalk  
No Safe Crossing  
60 km/h traffic



Sidewalk Present  
Pedestrian Refuge  
Street Lighting  
50 km/hr traffic



Sidewalk Present  
Signalised crossing with  
refuge  
Street lighting  
40km/hr traffic



## New Research

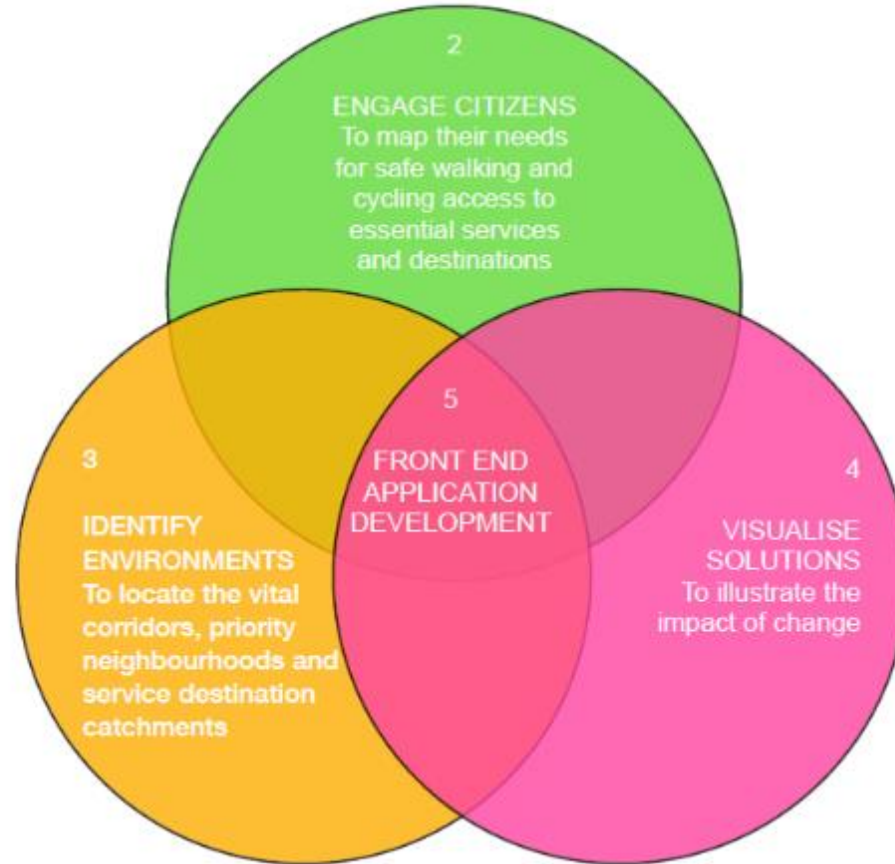


### The Impact of COVID 19 on Walking and Cycling Policy and Practice in Africa

RESEARCH PROPOSAL



## New Tools



## New Action



IMAGE CREDIT: Joe Giddens/PA  
<https://www.itv.com/news/2020-04-24/captain-tom-moore-tops-singles-chart-in-time-for-his-100th-birthday/>

PIARC Webinar

[jim.Walker@walk21.com](mailto:jim.Walker@walk21.com)



# Thank you for your attention!



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Strategic Partnerships

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[@PIARC\\_Roads](#)



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