

# VISION ZERO

## CONFERENCE

STOCKHOLM  
26-27 JUNE 2023

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# TAKING ROAD SAFETY

## TO THE NEXT LEVEL



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Government Offices of Sweden  
Ministry of Rural Affairs and Infrastructure



TRAFIKVERKET  
SWEDISH TRANSPORT ADMINISTRATION

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Sweden's Innovation Agency

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Swedish Presidency  
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European Union

# SAFE MODAL SHIFT INCLUDING SAFETY FOR POWERED TWO- WHEELERS

Introducer to the subject  
Shaw Voon Wong

*Chairman*

*Malaysian Institute of Road Safety Research*

## SESSION 5:

# Responsibility Modal Shift

Including safety for powered two wheelers

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Prof. Dr. Wong Shaw Voon

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Board of Directors,  
Professor at the Faculty of Engineering,  
Universiti Putra Malaysia*



# United Nations Sustainable Development Goals



## TARGET 11.2

By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, women, children, persons with disabilities and older persons

Healthier lifestyle

Less pollution

Affordable transport



# Commercial vehicles & public transport

## Businesses in cities

- How can we ensure these are sustainable?
- What are their priorities compared with public transport?
- How effective are existing policies in regulating their operations?

## How about rail transport?

This is the safest mode among land transport but not all cities could afford to invest.

# The rise of Micromobility use

The market for micromobility use is booming in all parts of the world. And it has brought a new challenge to road safety advocates

## Paris says **NON** to e-scooters: French capital becomes **first city** in the world to ban self-hire vehicles in a referendum after string of crashes and deaths across Europe

- The French capital rejected the controversial scooters by a 90 per cent majority
- It comes after a number of crashes involving the vehicles in recent years

By **PETER ALLEN** IN PARIS FOR MAILONLINE

PUBLISHED: 00:04 BST, 3 April 2023 | UPDATED: 10:38 BST, 3 April 2023



Paris has become the first city in the world to vote to ban self-hire electric scooters after a series of fatal crashes across Europe.

In a move set to be studied with interest in the UK, the French capital rejected the controversial scooters by a 90 per cent majority in a referendum on Sunday.

It comes after a number of crashes involving the vehicles in recent years, with Paris and other European cities including **London** also complaining about dumping.

Results show 90% support for ridding Paris of 'self-service scooters' whose riders are accused of flouting rules of the road



A man rides a Lime electric scooter in front of the Louvre pyramid and the Louvre

There are around 15,000 e-scooters in Paris that can be picked up using a mobile app and then left anywhere, including in the River Seine.



In a move likely to be studied with huge interest in the UK, the French capital rejected the controversial scooters by a 90 per cent majority



# Safety of bicyclists

Under increasing growth of motorized traffic

How do we ensure the safety of bicyclists under increasing passenger car use?

VS

How sustainable cities prioritize bicycle use under increasing motorization?

# Setting 30 km/h in urban areas

Evidence have shown significant benefits  
in reducing casualties.



What could have been the  
stumbling block in mandating  
this intervention in most cities?

## SAVING LIVES BEYOND 2020: THE NEXT STEPS

### SUSTAINABLE PRACTICES AND REPORTING:

including road safety interventions  
across sectors as part of SDG  
contributions

PROGRESS  
utilizing digital tools by public  
and private organizations across  
their value chains

### MODAL SHIFT:

Recommendations for personal motor  
vehicles toward safer and more  
active forms of mobility.

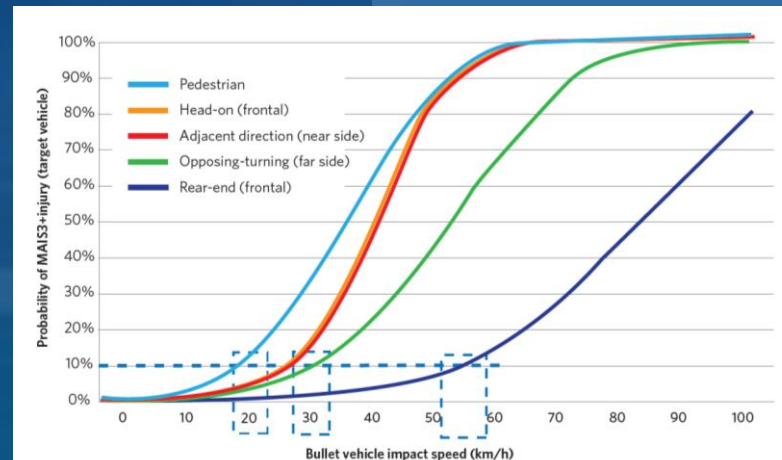


Figure 8. Probability of Severe Injury When Struck by a Motor Vehicle. Jurewicz et al, 2016

### SAFE VEHICLES ACROSS THE GLOBE:

adopting a minimum set of safety  
standards for motor vehicles.

### ZERO SPEEDING:

protecting road users from  
crash forces beyond the limits  
of human injury tolerance.

### 30 KM/H:

mandating a 30 km/h speed limit  
in urban areas to prevent serious  
injuries and deaths to vulnerable  
road users when human errors occur.

### TECHNOLOGY:

bringing the benefits of safer  
vehicles and infrastructure to low-  
and middle-income countries.



# Powered Two Wheelers

Are we doing enough?



Road



Enforcement



Vehicle safety

Who should play a greater role?



Government



Private Sector



Manufacturer

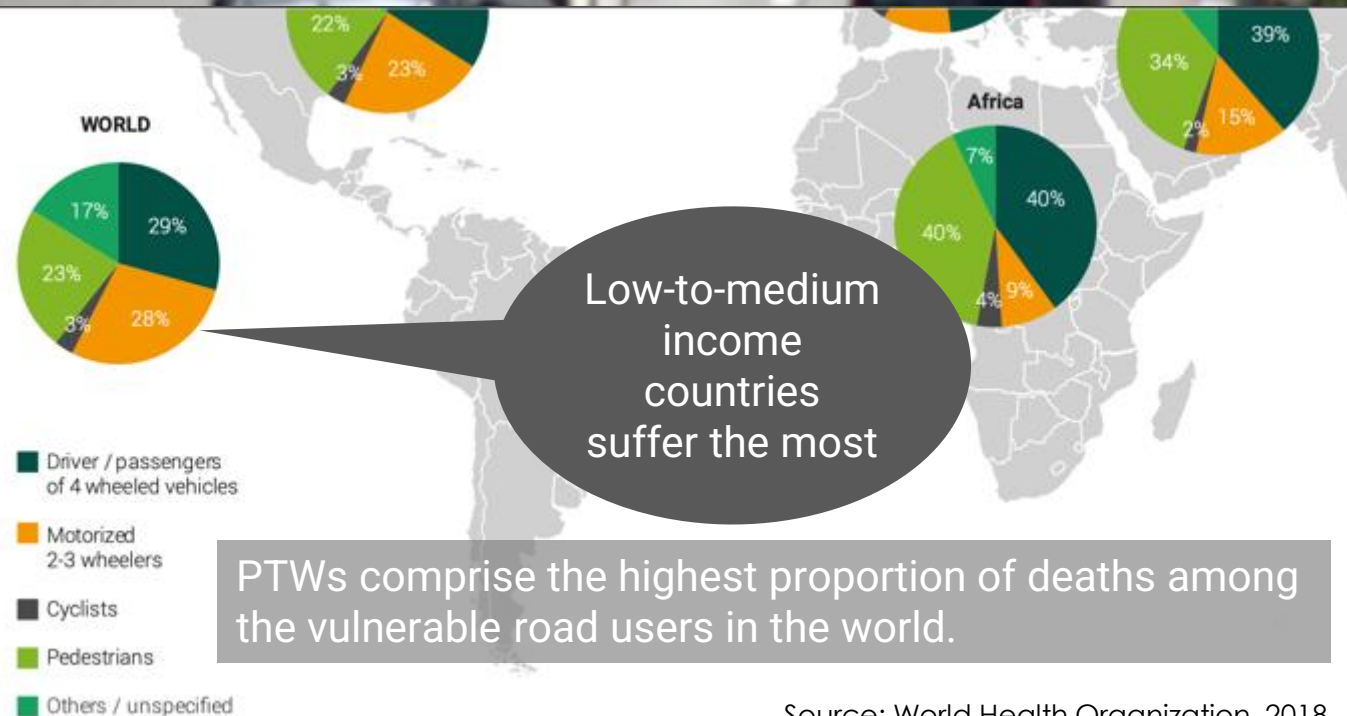
It's time we track their road safety footprint!



In Malaysia...

Bus is **7X** much safer than motorcycle

Car is **4X** much safer than motorcycle



# A New Worldwide Challenge

## The future of e-hailing and p-hailing

The emerging trend of shared mobility in the world since the past one decade provided consumers with some forms of alternative transport. A person can gain short-term access to transport services as and when needed and save on expenses related to the purchase, maintenance and taxes of a private vehicle.

*Gig economy*

*Regulations*

*Use of smartphone*

*Reduced private vehicles*

*Reduced emissions*

# Sustainable Practices & Reporting

*Sustainability reporting is key to stimulating corporate change. Reporting that is relevant, reliable and accessible will help businesses organize and prioritize their efforts, actuate the business case for corporate virtue by enabling meaningful external review, and stimulate the application of stakeholder pressure, both positive and negative.....***Academic Expert Report 2019**

- ✓ Government
- ✓ Logistics companies
- ✓ Suppliers
- ✓ P-hailing
- ✓ E-hailing
- ✓ Manufacturers



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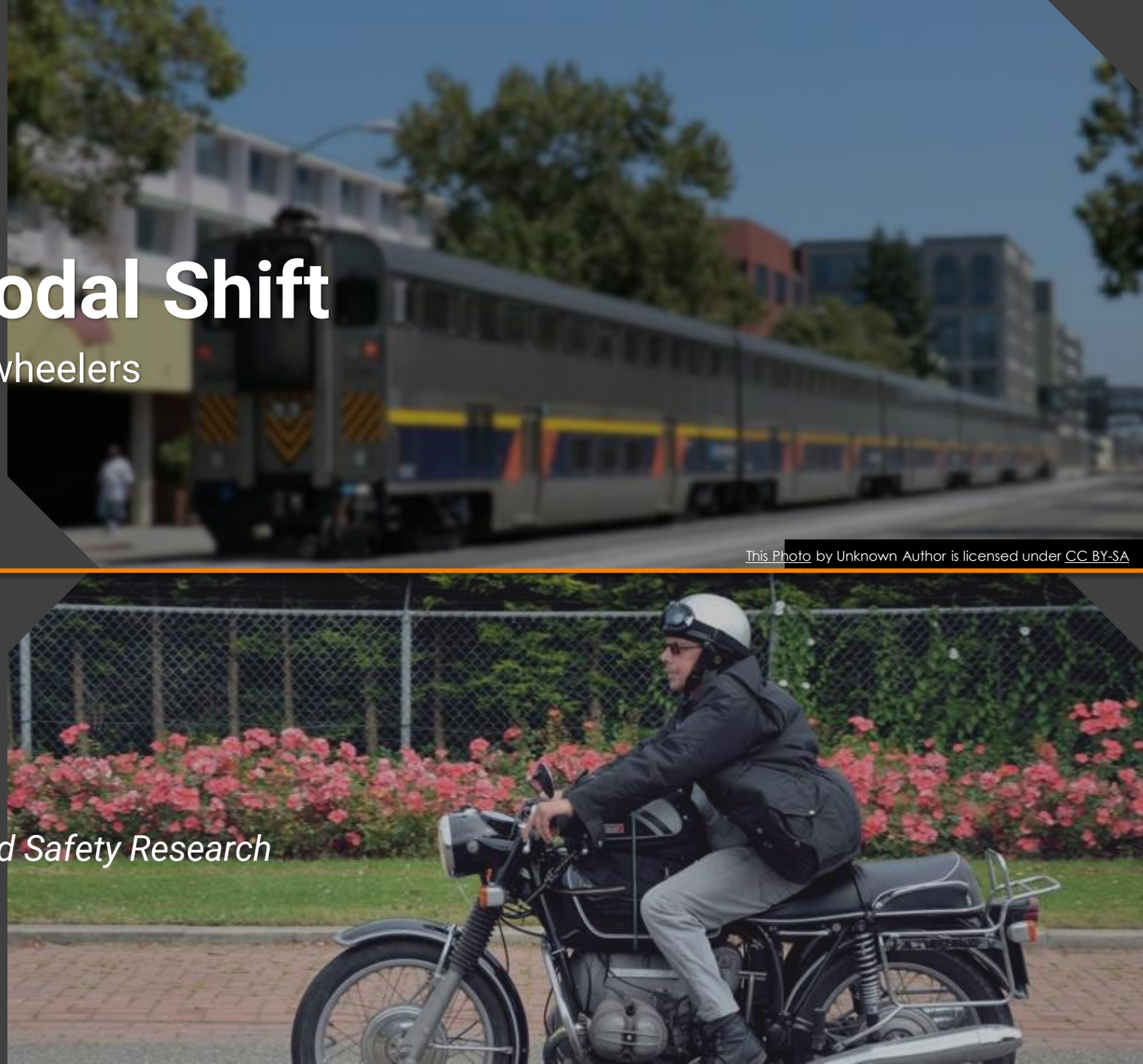
# Thank You

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