

2019 Asia Pacific Road Safety Seminar

#roadsafetyAPAC

2nd Workshop on iRAP Developments in Asian Countries

- Safer Roads for Safer Motorcyclists -

29 October 2019, Kuala Lumpur



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Welcome Remarks

Dr Siti Zaharah Ishak

Director General

Malaysian Institute of Road Safety Research



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Motorcycle Safety Initiatives in Malaysia

Norfaizah Mohamad Khaidir

Head of Unit

Malaysian Institute of Road Safety Research



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Panel Discussion

Moderator: Greg Smith
Managing Director
iRAP Strategic Projects



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Malaysia

31 million people

7 kW
>60 km/h

0.3 motorcycles
per person

15 deaths per 100,000 pop



E-bike



Motorcycle

Netherlands

17 million people

0.25 kW 118 kW
15-25 km/h >100km/h

1.3 bicycles, e-bikes and
motorcycles per person *

2 deaths per 100,000 pop

* 23m bikes, 0.7m motorcycles



E-bike
电动自行车



E
motorcycle
电动轻便摩托车



电动摩托车

Shanghai

24 million people

0.25 kW 4 kW
<25 km/h >50 km/h

0.4 e-bikes
per person

2 deaths per 100,000 pop

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Malaysia

~500km motorcycle lanes
 250,000km roads

Lane ratio: 0.2%



Netherlands

35,000km bicycle lanes
 139,000km roads

Lane ratio: 25%



Jiading/Yangpu, Shanghai *

118km bicycle / e-bike lanes
 184km roads

Lane ratio: 64%

*Jiading and Yangpu > 10% of Shanghai's pop

Our alarming situation

21,315,465

registered motorcycles



> 200K



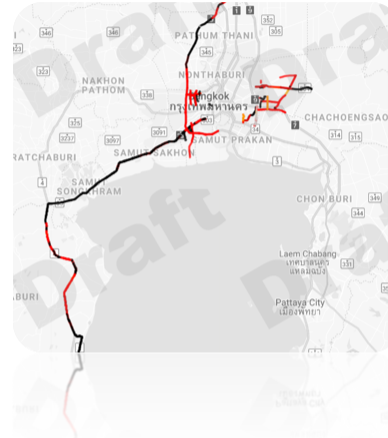
Total crashes due to motorcycles

22,49

Total fatalities per
year



Fatalities from 2-3 wheelers



Up to **86%**
of
unsafe roads
for Motorcycle

Failures leading crashes

- 52% Perception failure
- 21% Decision failure
- 19% Reaction failure



Solutions ?

- Safety barrier
- Exclusive motorcycle lane
- Road design for all VRUs
 - Overpass ban for motorcycles

Proper motorcycle classification
 Safety devices:
 (Helmet, ABS, Automatic
 Headlights On)



- Speed calming measures
- Speed limit
- Speed enforcement

Demerit Point System

- Undesirable behavior (drunk driving, speeding, etc.)
- Driving license
- Driving skill (Risk perception, Accident prediction)



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Arrival of The Honourable Tuan Loke Siew Fook *Minister of Transport Malaysia*



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iRAP National Programme License Agreement



Signing Ceremony





The Malaysia Road Assessment Programme aims to address the highest risk roads around the country in partnership with national and state agencies. The programme is hosted by MIROS in association with local experts, using local research and resources, supported by the global International Road Assessment Programme that includes partners in more than 100 countries. MyRAP is guided by the iRAP's evidence-based Star Rating methodology and investment planning tools which provide a simple and objective measure of the level of safety which is 'built-in' to the road for vehicle occupants, motorcyclists, bicyclists and pedestrians. Five-star roads are the safest while one-star roads are the least safe.

The 1st Book of International Road Safety Pledges

Become A Leader in Saving LIVES



Initiated by

