Micro-mobility Devices

Personal vehicles that can carry one or two passengers

Includes small electric cars, electric bicycles, all sorts of scooters. Generally small electric micro-mobility devices run on batteries.

Low-power (<2 KW)

Low-speed (<45 km/h)

Forms of micro-mobility

Enclosed mobility scooter

20 km/h mobility trike

Self-balancing uniwheel

Self balancing scooter

E-scooter

Yike Bike

E-skateboard

OGO (NZ-made self balancing chair)

Elf e-trike (similar to a bicycle)

ViaStrada (2017) RR621

https://www.nzta.govt.nz/resources/research/reports/621/

Use of Electric Scooters in New Zealand Cities

Tell us what you think at:
tinyurl.com/yy2eeldw

To understand how electric scooters, including Lime scooters, are being used in NZ, what you think, perceptions and experiences, as a user or not. Part of a wider project about the environmental, health, and social implications of new forms of transport

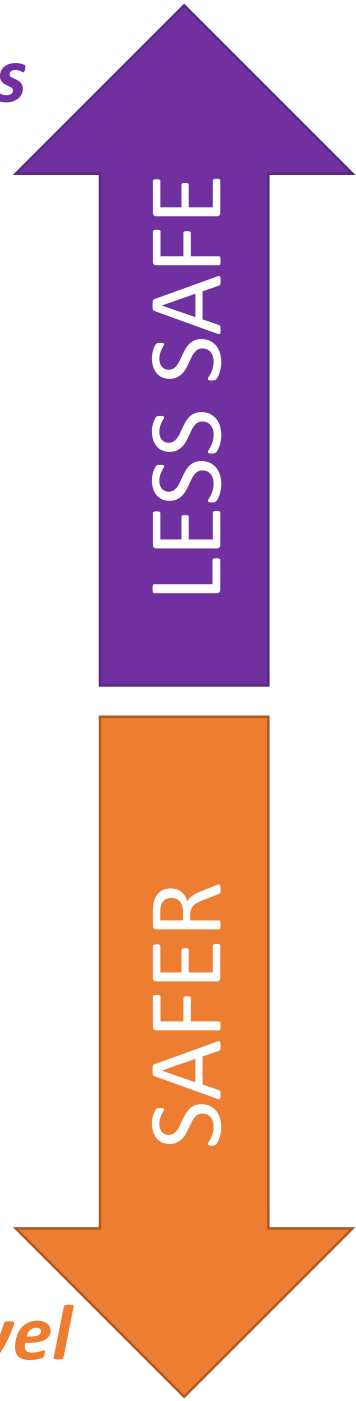
Led by Dr Helen Fitt: *helen.fitt@canterbury.ac.nz* or 03 369 5705.

UC
UNIVERSITY OF CANTERBURY
Te Whare Wānanga o Waitaha
CHRISTCHURCH NEW ZEALAND

Safety & familiarity:

- Move **left** of the stage if **have used** an e-scooter
- Move **right** if you **have not used** one

Front ~ motorcycles



Safety & familiarity:

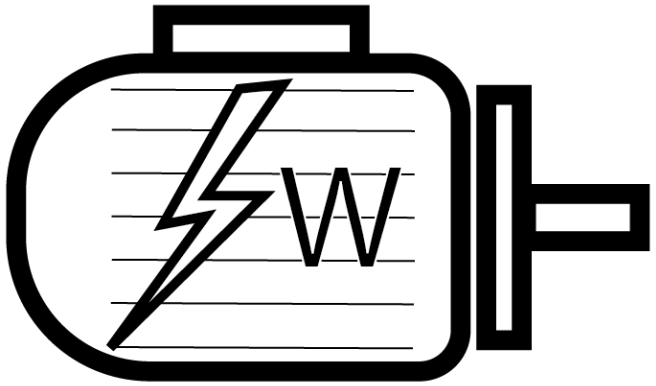
- Move to the **front** side of the stage if you think e-scooters are **more dangerous** than other modes of travel
- Move to the **back** if you think **they are safer**

Back ~ airplane travel

1 What need do you think micro-mobility fills?

Who are the likely users?

2. Are the regulations appropriate? What would you change?



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3 What will (or should) future micro-mobility devices have as features?

4 How could micro-mobility change the way we use our cities?

(and do we want change?)

CITYLAB

DESIGN / TRANSPORTATION / ENVIRONMENT / EQUITY / LIFE

Prepare now for the tiny vehicle takeover. // Kathy Willens/AP

Why Little Vehicles Will Conquer the City

BENJAMIN SCHNEIDER JUN 21, 2018

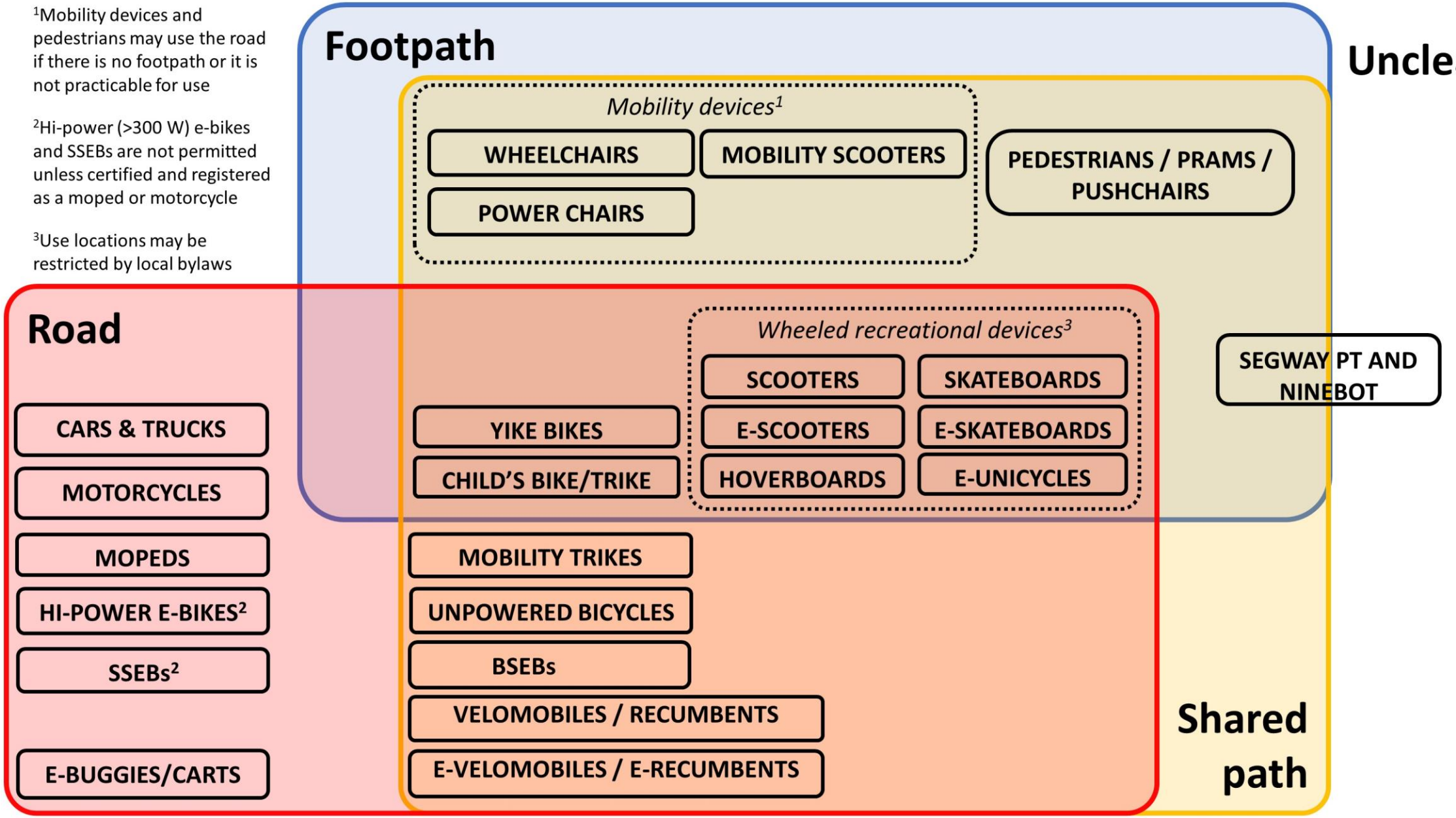
Nearly all of them look silly, but if taken seriously, they could be a really big deal for urban transportation.

Device use locations (existing)

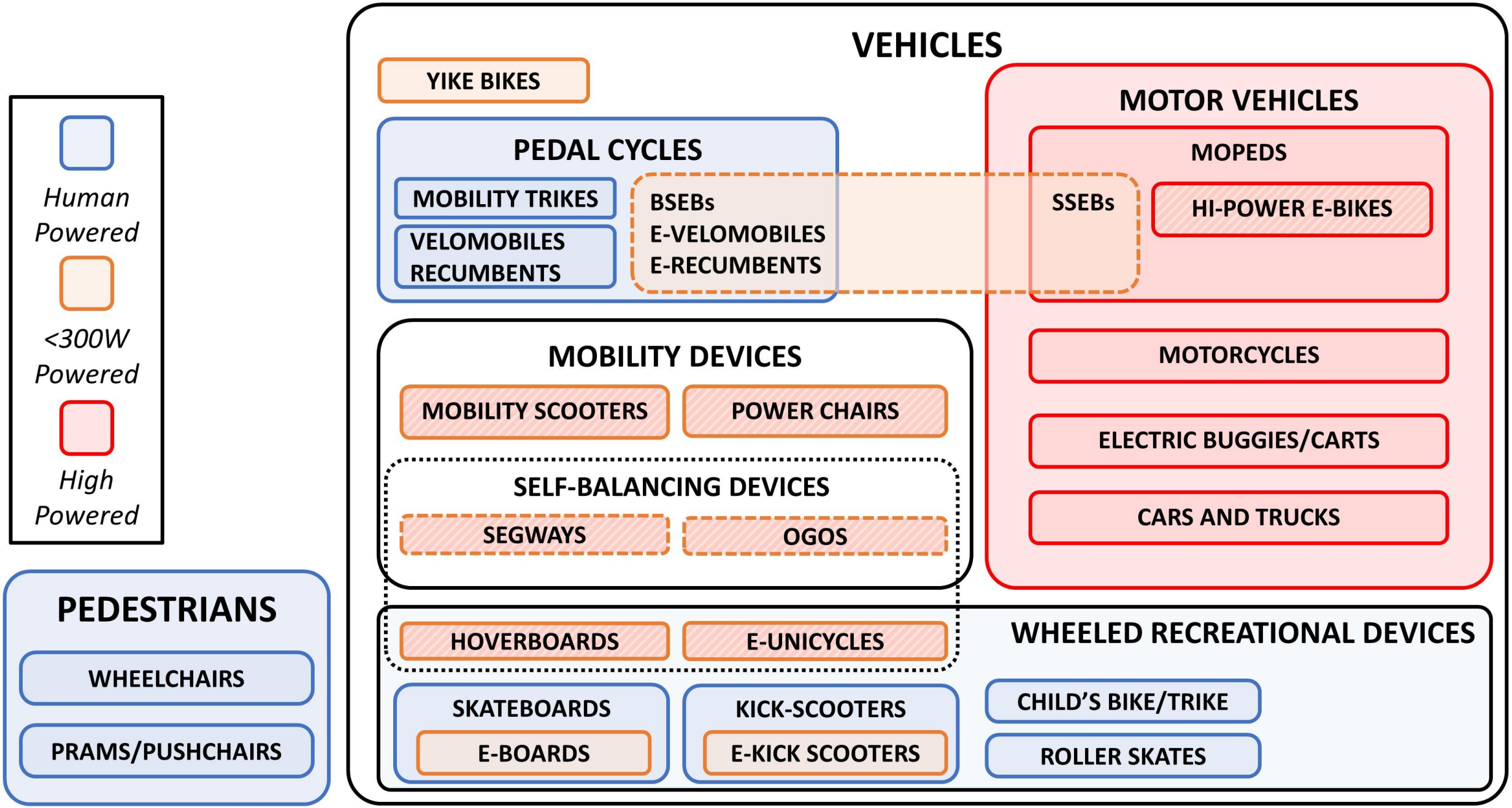
[1]Mobility devices and pedestrians may use the road if there is no footpath or it is not practicable for use

[2]Hi-power (>300 W) e-bikes and SSEBs are not permitted unless certified and registered as a moped or motorcycle

[3]Use locations may be restricted by local bylaws



EXISTING CATEGORIES



Operator	Footpath (RUR 11.1)		Shared path (RUR 11.1A)	
Pedestrian	When practicable, must remain on the footpath when provided Must not unduly impede the passage of a mobility device or wheeled recreational device			Must use the path in a careful and considerate manner Must not use the path in a manner that constitutes a hazard to other persons using it May not duly impede the passage of any other user, regardless of priority signed or marked
Cyclist	Not allowed to ride on a footpath		Must not operate the cycle or device at a speed that constitutes a hazard to other persons using the path	
Mobility device		Must operate the device in a careful and considerate manner Must not operate the device at a speed that constitutes a hazard to other footpath users		
Wheeled recreational device	Must give way to pedestrians and drivers of mobility devices			