# Forecasting mode shift to E-Bikes / E-Scooters

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Waka Kotahi funded a research project which investigated the future growth of e-bike, e-scooter, and e-mobility use and how this could increase the justification for cycling and shared path infrastructure.

This presentation first summarises how the design of the current generation of e-bikes, e-scooters and mobility scooters (micromobility) will develop from the current generation, and the likely future characteristics and uses of these devices / vehicles.

The research estimated a range of scenarios of mode shift to micromobility (e-bikes, e-scooters, e-mobility) through a mixture of modelling and forecasting methods. This included looking at the mode shift potential from current vehicle-based and active modes and forecasting the use of micromobility in conjunction with public transport and the impact on patronage. This has enabled the production of assumed mode shift for a variety of scenarios.

The research then assessed the impact of the growing use of micromobility, including the impact this could have on inclusive access, economic prosperity, healthy and safe people, environmental sustainability and resilience and security.

The findings of this research can be used by transport planners to improve our understanding of the potential for mode shift on short trips, the effect on existing walking and cycling mode share, as well as inform decisions on investment in infrastructure and public transport.