

# Hoe ki angitū

An innovation fund designed  
with innovators' needs at the  
centre



Hoe ki Angitū



Te Kāwanatanga o Aotearoa  
New Zealand Government

# Overview

# Objectives

- **Catalyse** the action needed to solve our most critical transport problems
- **Enable** innovators with the capabilities they need but cannot access on their own
- **Accelerate** innovation by breaking down the barriers across the transport ecosystem

# Design concept

A challenge-based fund to support innovators who develop solutions that have the potential to deliver real impact for our transport system



# Round one- successful applicants

- Twenty-four applications have been approved for a total of \$4.2 million through round one of Hoe ki angitū
- More than 110 applications were received for round one, which asked applicants to respond to three challenges
- The successful applications come from small community groups, iwi, start-up technology companies, to large research organisations and range in funding from around \$30,000 to \$500,000
- <https://www.nzta.govt.nz/assets/innovation-fund/innovation-fund-round-one-successful-applicants.pdf>

# The challenges - round two

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How might we make roadworks safer and smarter to protect workers and other users of the road network?

How might we reduce the impact of our rapidly growing urban freight task and door-to-door delivery on our urban environments and people?

How might we improve the safe and efficient movement of people and goods that are using different modes of transport in the same space, by making better use of new technologies and data?

<https://nzta.govt.nz/about-us/innovations/innovation-fund/challenges/>

# How might we make roadworks safer and smarter to protect workers and other users of the road network?



Waka Kotahi is committed to Road to Zero, a safer Aotearoa New Zealand where no one is killed or seriously injured on our roads. This includes keeping our road workers and road users safe when our roads are not in normal use, such as repairs or managing traffic at events.

We believe every road worker and road user should go home safely. **However, each year approximately 10 road workers or road users are killed and around 30 road workers and road users are seriously injured at temporary traffic management sites.**

Managing risks at these sites means either eliminating the risks or, where that is not possible, minimising the impacts. For example, this could be achieved by providing real-time information and guidance to drivers, or by reducing the time people spend in high-risk environments. It could also be achieved by removing or reducing the consequences of any incident, so what might have resulted in a fatal or serious injury, instead results in a minor injury or a near-miss.



# How might we reduce the impact of our rapidly growing urban freight task and door-to-door delivery on our urban environments and people?

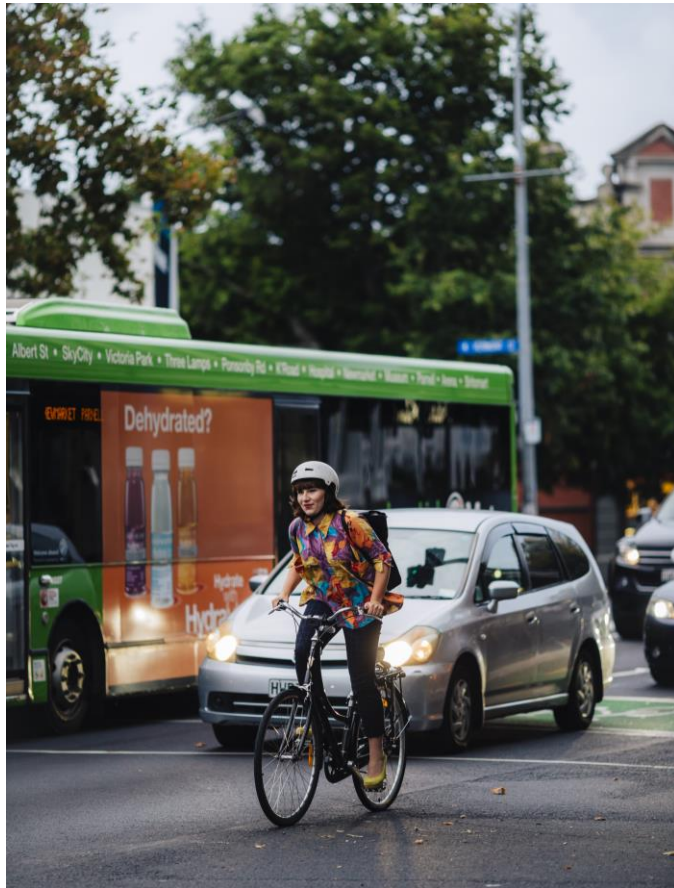


The growth of e-commerce, with individual parcels delivered to customers' doors, coupled with an increase in the freight task more generally, has led to a huge increase in Aotearoa New Zealand's urban freight.

**Kiwis spent more than \$2.2 billion on physical goods online during the first quarter of 2022. That is 31 percent up on the first quarter of 2021, and more than double the amount spent just three years ago. This represents a seismic shift in our behaviour over a remarkably short period of time.**

These changes are leading to the use of more vehicles to meet the increasing demand for deliveries, especially within our city centres and neighbourhoods. If not well managed, this, when coupled with increased housing intensification, risks adding to congestion, environmental and safety issues. It could also have a negative impact on things like air quality, noise and our streetscapes - due to parking and unloading issues.

# How might we improve the safe and efficient movement of people and goods that are using different modes of transport in the same space, by making better use of new technologies and data?



To meet our emission reduction targets we need to encourage a radical increase in the number of people using active modes of transportation, including walking and cycling, and achieve a reduction of 20 percent in travel by light vehicles by 2035.

**We know that many cyclists don't feel safe cycling on busy public roads. We also know that intersections are the most dangerous location for all road users, but especially for cyclists, pedestrians, and the users of other smaller vehicles, such as e-scooters or mopeds. In Auckland, 50 percent of crashes involving mopeds are with other vehicles that were turning.**

We need to make sure that people can move easily and safely, using all modes of transport. We know that separating the different modes through the creation of cycle lanes, for example, can be a good solution to improve safety, but this is not possible in all locations.

# Who can apply for funding?

- **Technology companies**
- **Mobility providers**
- **Research institutions**
- **Social innovators**
- **Start-ups**
- **Community groups**
- **Iwi**
- **National and international companies**

# The application and assessment process

# Changes based on what we have learnt so far

- From a 16-week innovation activity timeframe to a 12-month timeframe to complete the innovation activity
- Simplified the application
  - Te Ao Māori section defined further with prompts added to the questions to clarify what information we are looking for in this section
  - Reordered the assessment sections
  - Reduced the amount of information required

# The assessment criteria

**Innovation** – how innovative is your solution?  
What is the impact your idea might have on the New Zealand transport system?

**Strategic Fit** – how does your innovation solve the problem identified in the challenge?

**Te Ao Māori** – how will Te Ao Māori principles be included and integrated in the development of your innovation?

**Feasibility** – how likely is it that the funding and / or support you receive will accelerate the development of your innovation?

**Methodology** – what is your approach and plan to deliver the innovation?

# The decision-making process

Applications will be assessed against set criteria and how well they respond to the challenge

Two steps:

- An initial assessment involving Waka Kotahi expertise from across the business (eligibility, responds to one or more of the challenges)
- An assessment panel comprising innovation and subject matter expertise, from inside and outside Waka Kotahi who will make a recommendation for funding

# The funding agreement

- A contract between Waka Kotahi and successful applicants
- Sets out agreed support (financial and non-financial), activities, milestones and agreed deliverables of the project
- Details timeframes
- Is a legally binding contract



# Key dates

- Applications open **20 February 2023**

<https://nzta.govt.nz/about-us/innovations/innovation-fund/how-to-apply/>

- Applications close **24 March 2023**
- Successful applicants notified **June 23**
- Funding agreement confirmed **July/August 23**

# Thank you Questions / Pātai?