



Smart City Innovation Challenge #3

June 2023

01

Our Vision



Active transport in numbers

1.5b+^{#*} trips per year

600m^{#*} trips connected to public transport

7.7m^{*} walking trips in the 6 cities each week

3%[^] pedestrians use a mobility aid

14.5%^{^^} students walk or ride to school

1m+[~] people riding a bike at least once a week

2.6m[~] people riding a bike at least once a year

Last trip by bike[~]:

15% in the last week

24% in the last month

36% in the last year

In the regions:

93%[#] rode for recreation in past month

29% rode for transport

49%[#] of trips are under 10km

Only 1%[#] of trips to work are on a bike

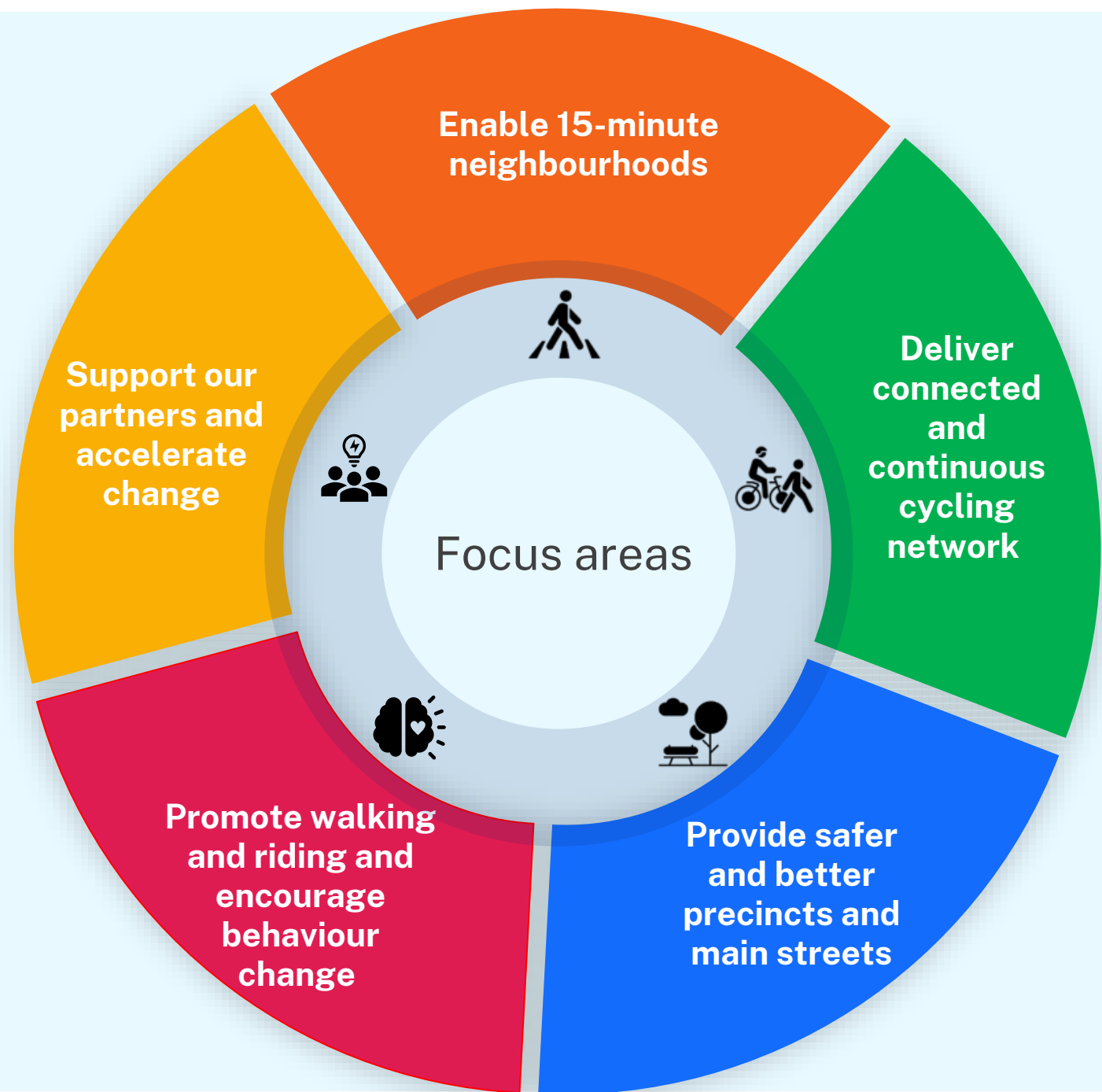
Source:

- Household Travel Survey, TfNSW
- # Journey to work, ABS
- ^ Disability, Ageing and Carers, ABS
- ^^ NSW School Physical Activity and Nutrition Survey, NSW Health
- ~ National Walking and Cycling Participation Survey, Cycling and Walking ANZ

Our vision

We want walking and cycling to be the preferred mode of transport for short trips.

To deliver on our vision of doubling active transport trips in 20 years, the Active Transport Strategy has five focus areas and 10 priority moves.



1. Enable 15-minute Neighbourhoods



Ambition: Create **walkable and connected neighbourhoods** across NSW to increase the percentage of short trips made on foot and decrease those made by car.

Priority move: Trial over **20 Neighbourhood Deals or Partnerships** across all six cities and in regional centres across NSW by **2028**.

2. Deliver connected and continuous cycling networks



Ambition: **Deliver more than 1,000kms of new cycleways and supporting infrastructure** for continuous and connected cycling networks across key cities in NSW to increase the number of trips made by bike.

Priority move: Partner with councils to deliver more than **100km of new strategic cycleways** that contribute towards a connected cycleway network by **2028**

Priority move: Investigate **reusing non-operational assets to support the visitor economy**, through initiatives such as rail trails

3. Provide safer and better precincts and main streets



Ambition: Help **halve deaths and reduce serious injuries** by 30% for pedestrians and bike riders through safer speeds and networks while increasing people walking and cycling.

Priority move: Prioritise a program that delivers **50km of successful place outcomes** in and around main street sections of State Roads in urban, regional and rural settings **by 2028**.

Priority move: **Pilot Safer Cities Program** across NSW to improve security when walking and cycling to, through and within public spaces **for women and girls by 2024**.

4. Promote walking and riding and encourage behaviour change

Ambition: Accelerate shift to active travel, including **doubling the number of children walking or riding to primary school in all six cities and major centres across NSW**, through behaviour change interventions.

Priority move: **Trial Active Travel to School Program** with Health and Education in more than **50 schools**.

Priority move: Trial behaviour change interventions including campaigns that **encourage sustainable mode switches**.

5. Support our partners and accelerate change



Ambition: Accelerate delivery of active transport projects by **cutting red tape, providing resources and measuring success.**

Priority move: **Coordinate funding** across government by 2028 to ensure safe walking and riding outcomes are achieved in a holistic way for government funded projects.

Priority move: **Update legislation, guidelines and processes along with skills development** to enable efficient delivery of connected AT network by 2028

Priority move: Use open data advanced technology to capture walking and cycling data and movement patterns

02

Using data and analytics to
drive innovative solutions



Active Transport Data and Analytics Program

Operational Technology

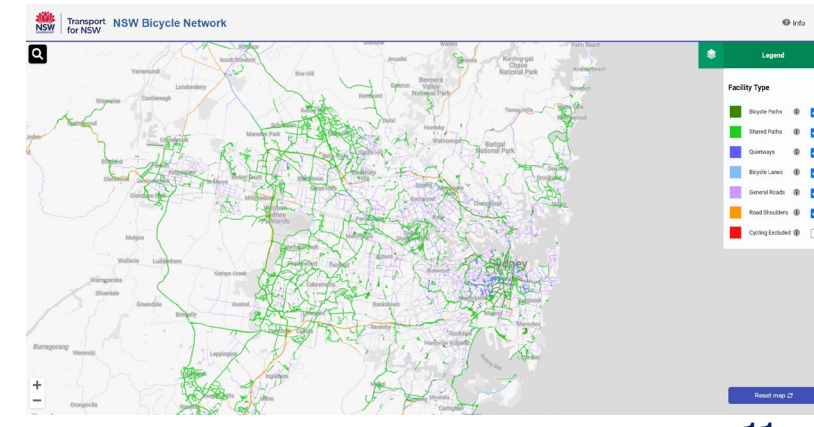
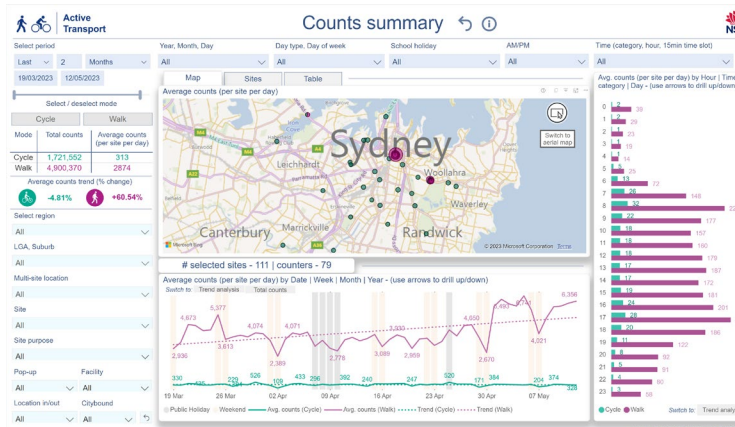
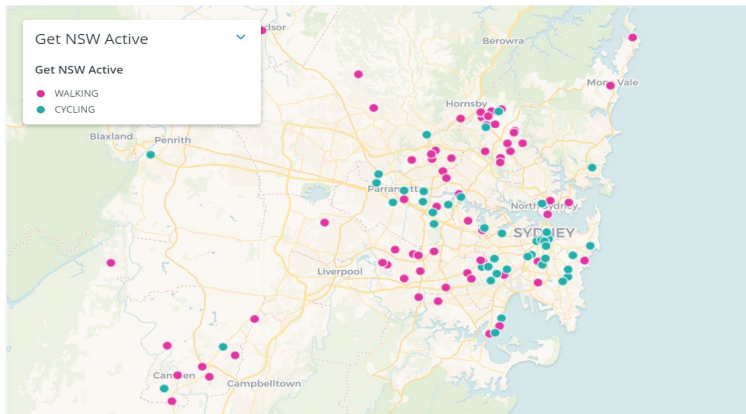
Geospatial Portfolio Management Systems to support grants programs and to track the status and location of the Active Transport portfolio of projects.

Information Technology

Strategy Delivery Metrics
Data acquisition, modelling and visualisation to evaluate walking and cycling participation and performance against metrics included in the Active Transport Strategy.

Customer Technology

Services for Customers
Systems to support citizens to walk and cycle. Support for other branches of Transport through Active Transport Subject Matter Expertise (SME).



03

Challenge statement and streams



Challenge Statement

How might we use **data and technology** to **better understand** active transport in NSW and make **evidence-based decisions** to support adoption and mode shift?

Stream 1: Walkability

How can data and technology support walkable 15-minute neighbourhoods?



Stream 2: Community attitudes

How can data and technology improve our understanding of attitudes towards active transport projects across NSW?



Stream 3: End of trip facilities

How can data and technology be used to capture information on bicycle parking and other end-of-trip facilities?

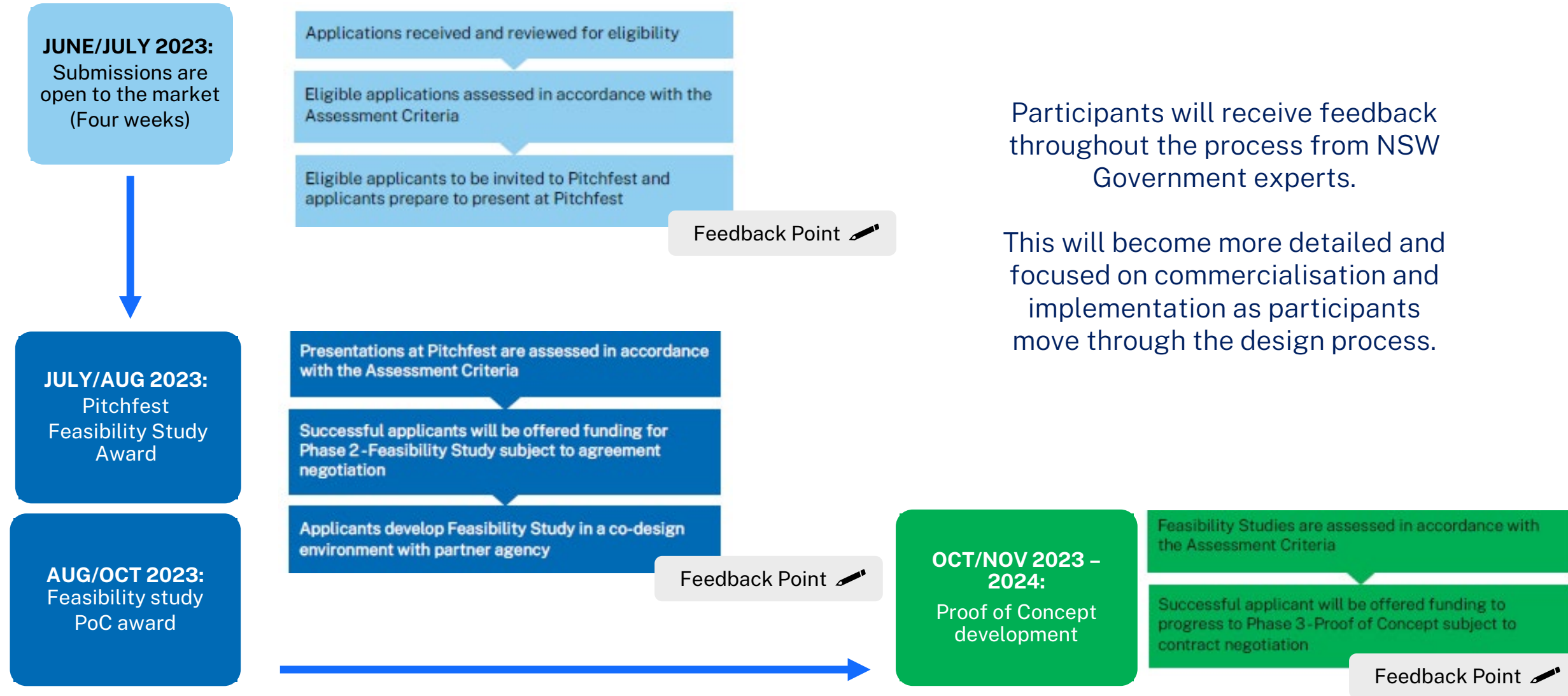


Stream 4: Travel patterns

How can data and technology improve our understanding of active transport travel patterns across NSW?



Key timeframes



Submission requirements

Provide a short, sharp and impactful overview of what you plan to present at the Pitchfest.

- Be eligible: address the selection criteria in the Program Guidelines and use Part C (Response Form) of the RFP document on buy.nsw.
- Keep it brief: we're not looking for detail at this stage. Keep technical information to a minimum and communicate key information.
- Know the customer: We will prioritise solutions that can be used in multiple sites across the State, address the goals and pain points of potential users and align with the Active Transport Strategy.

Feedback will be given to all successful participants ahead of the Pitchfest, as well as more detailed requirements for what notes to hit during the Pitchfest.



Smart City Innovation Challenge

Challenge Guidelines

January 2023



Questions and clarifications

Email us: smartplaces@planning.nsw.gov.au

Register and attend the Q&A session:

28 June 2023

10.30am–11.30am



Addendums will be published on the eTendering website with incoming questions