

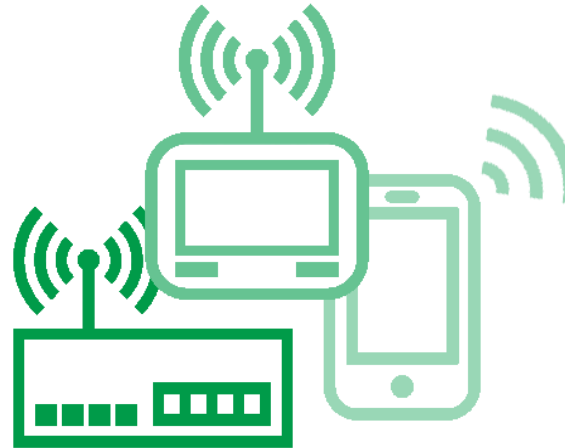
# Using the Road Infrastructure Management (RIM) application for DG vehicle movements

Gavin Hill and John Gordon

# Three things...

1. Introducing Road Infrastructure Management (RIM)
2. Using RIM to map the footprint of DG vehicles
3. What the data's showing us

# What is telematics?



The combined use of  
*technology* and  
*telecommunications...*

..to exchange data and between  
vehicles and other locations



# Road Infrastructure Management (RIM)

RIM is a new applications of the National Telematics Framework

One of the 16 initiatives contained in the Business Case approved by the Transport and Infrastructure Council (TIC) in November 2019

**ENHANCEMENTS TO THE INTELLIGENT ACCESS PROGRAM (IAP):  
BUSINESS CASE TO THE TRANSPORT AND INFRASTRUCTURE COUNCIL (TIC)**

## STAKEHOLDER REPORT



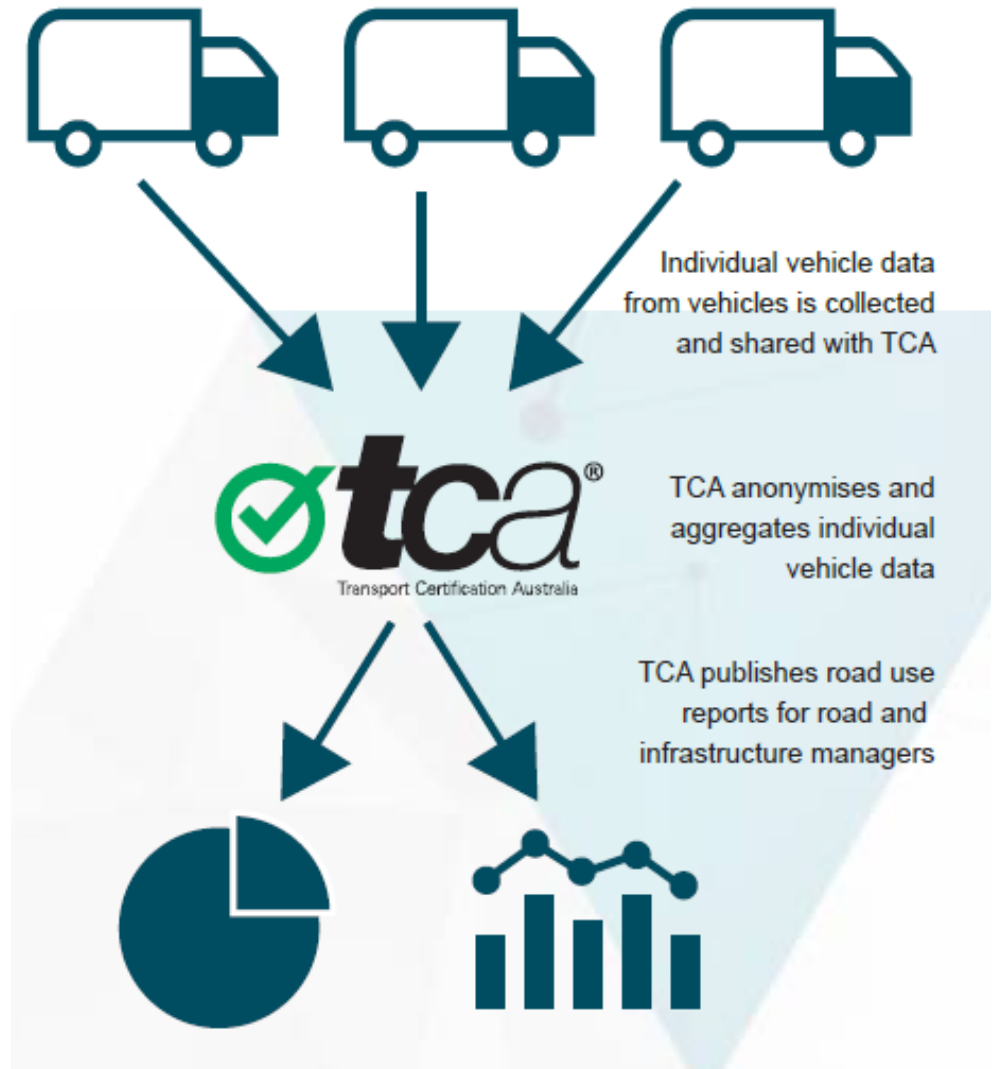
## CONTACT

Transport Certification Australia  
Level 6, 333 Queen Street  
Melbourne VIC 3000

Phone: +61 3 8601 4600  
Email: [tca@tca.gov.au](mailto:tca@tca.gov.au)  
Website: [www.tca.gov.au](http://www.tca.gov.au)

***Introducing:***

**Road  
Infrastructure  
Management  
(RIM)**



# National Telematics Framework



Established following a series of decisions made by Responsible Ministers between 2003 and 2008, the Framework consists of:

- Digital infrastructure
- Business rules
- Telematics Data Dictionary
- Telematics Data Exchange
- Privacy by design

**Links users, providers and government together**

# Using RIM for the DG vehicle movement study

# What we've collated

Positive interaction with the DG industry to obtain data

Consent and data received from 2 operators. Strong support from several others

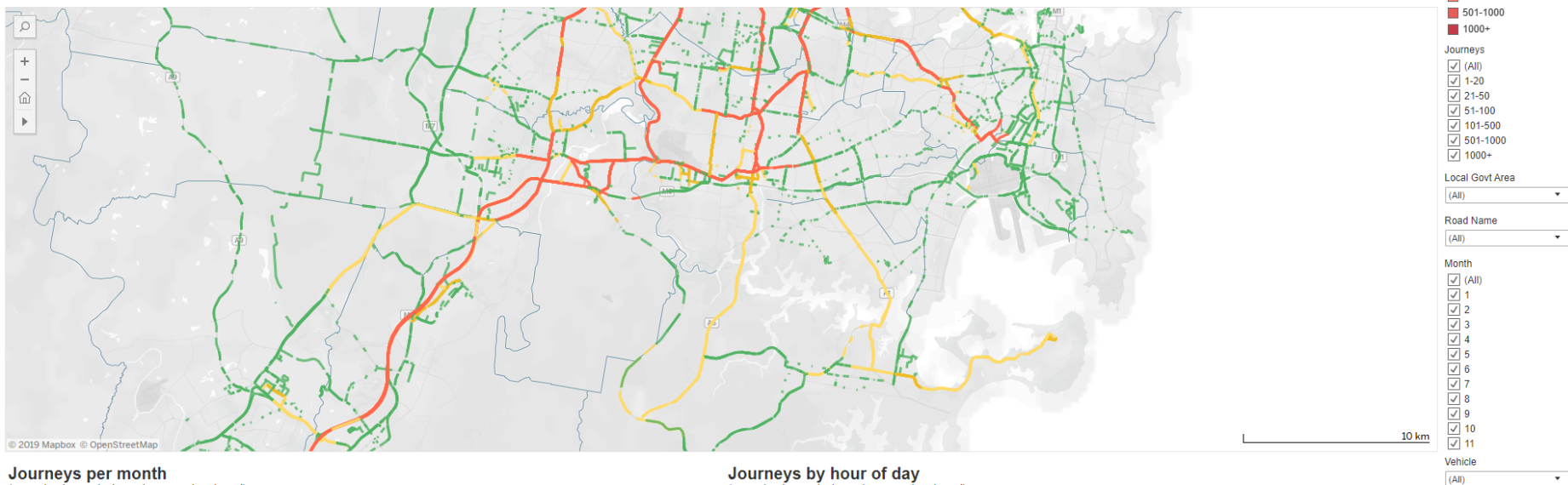
TCA digested 32MB of data from providers of DG vehicle movements

Here's some visualisations of the data we've collated to date...



# Actual analytics view

## Dangerous goods vehicles: journey heatmap



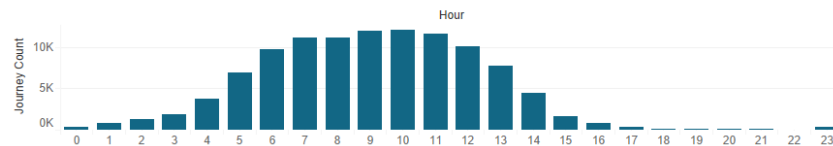
### Journeys per month

(use only when a single road segment is selected)

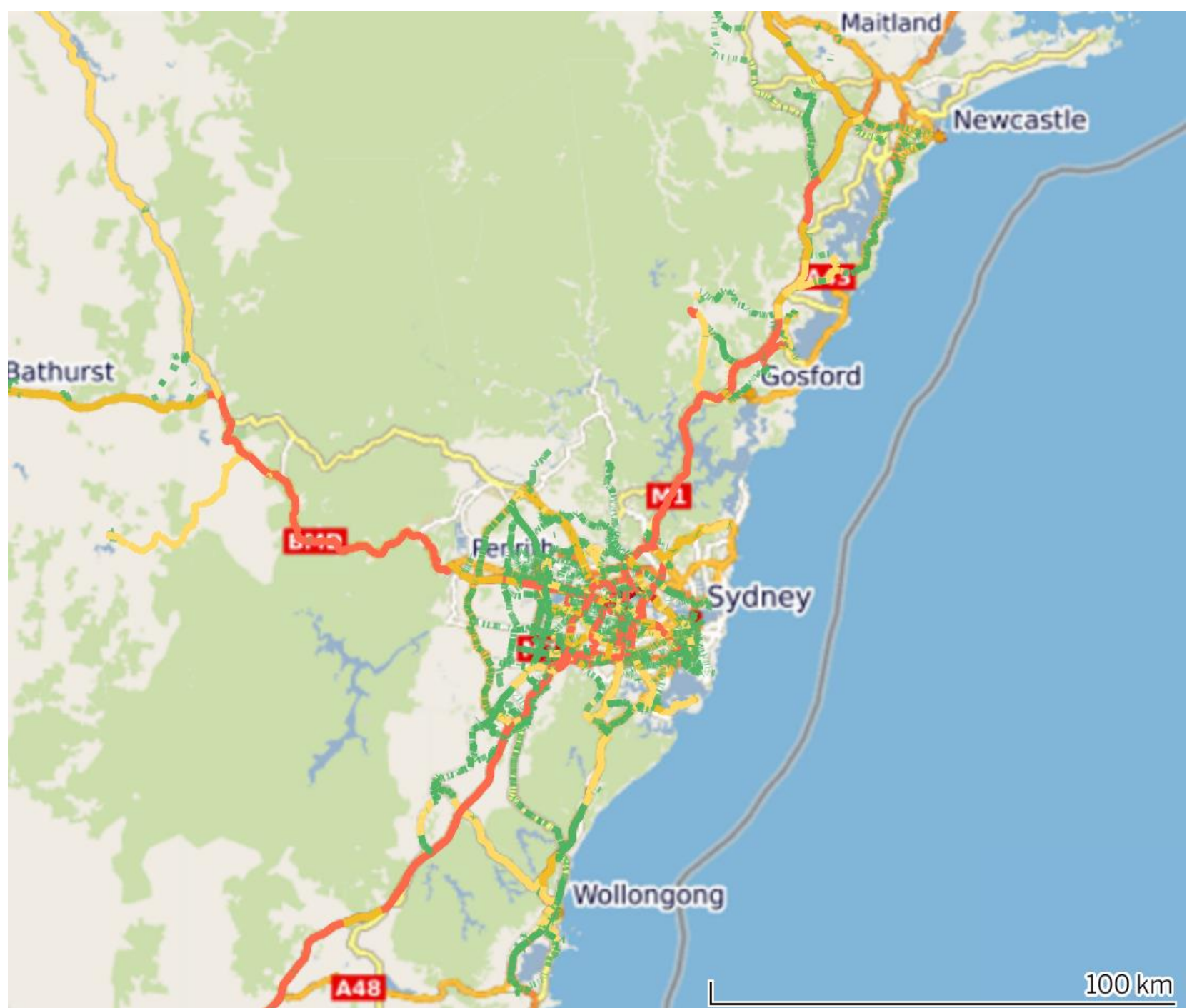


### Journeys by hour of day

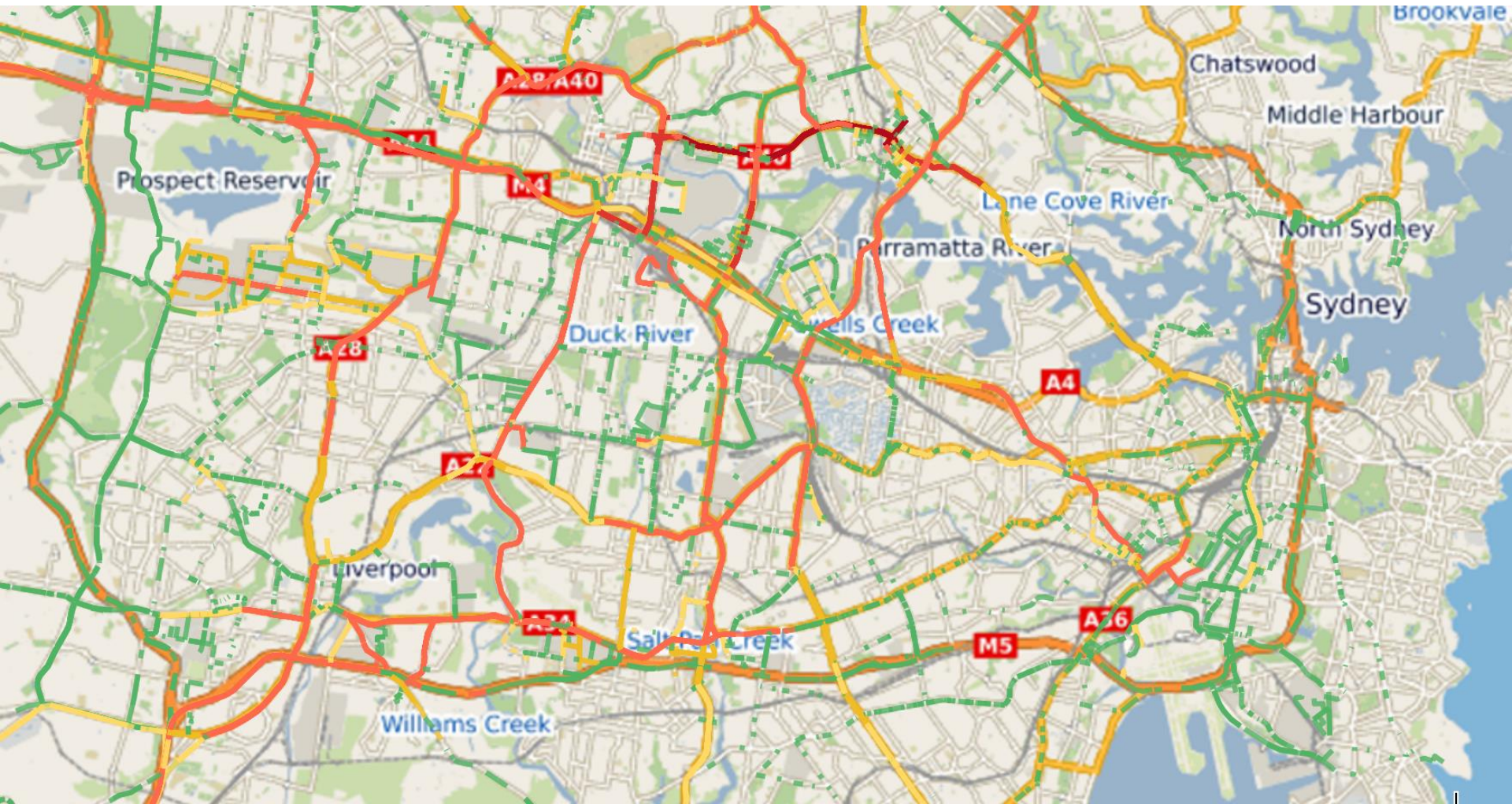
(use only when a single road segment is selected)



This dashboard was prepared by Transport Certification Australia using data supplied by a third party. Data shown is indicative and does not identify individual vehicles. August 2019.











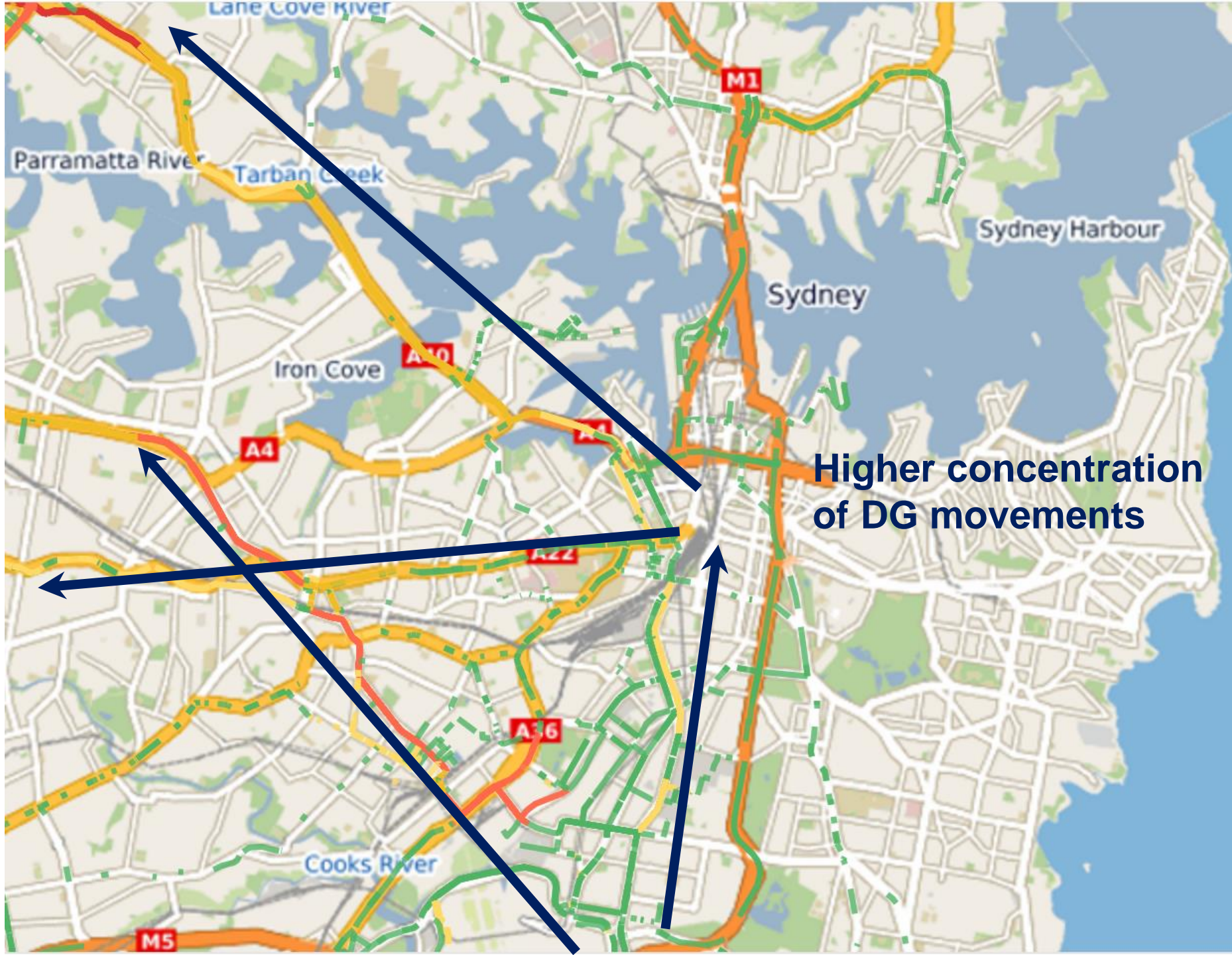
**Port Botany precinct**



**Stoney Creek Road  
(diversion around M5 Tunnel)**

**Captain Cook Drive, Kurnell**





## Wrapping up

What can you see this data being used for?

# Thank you!



Gavin Hill

P: 0439 489 681

E: [GavinH@tca.gov.au](mailto:GavinH@tca.gov.au)

John Gordon

P: 0447 068 318

E: [JohnG@tca.gov.au](mailto:JohnG@tca.gov.au)