A national, industry-led approach
to Dangerous Goods vehicle movement data

Gavin Hill and John Gordon

Let's go back to 2019…

- COVID19 wasn't a thing
- Inflation was running at 1.6%
- Brexit occurred
- We were kicking-off a Dangerous Goods Movement Study

Remind me again what this was all about!

The Dangerous Goods Movement Study set out to:

- Gain a better understanding of Dangerous Goods movements in NSW

by:

- Using telematics data collected from Dangerous Goods vehicles

Thants to those who made it happen

Chemicals: 14 vehicles

- Booth
- Formula Chemicals
- Unanderra

Gas: 44 vehicles

- Rivet
- Origin
- Tolls

Chemicals and Petroleum: 51 vehicles

- K&S / Chemtrans
- McColl's
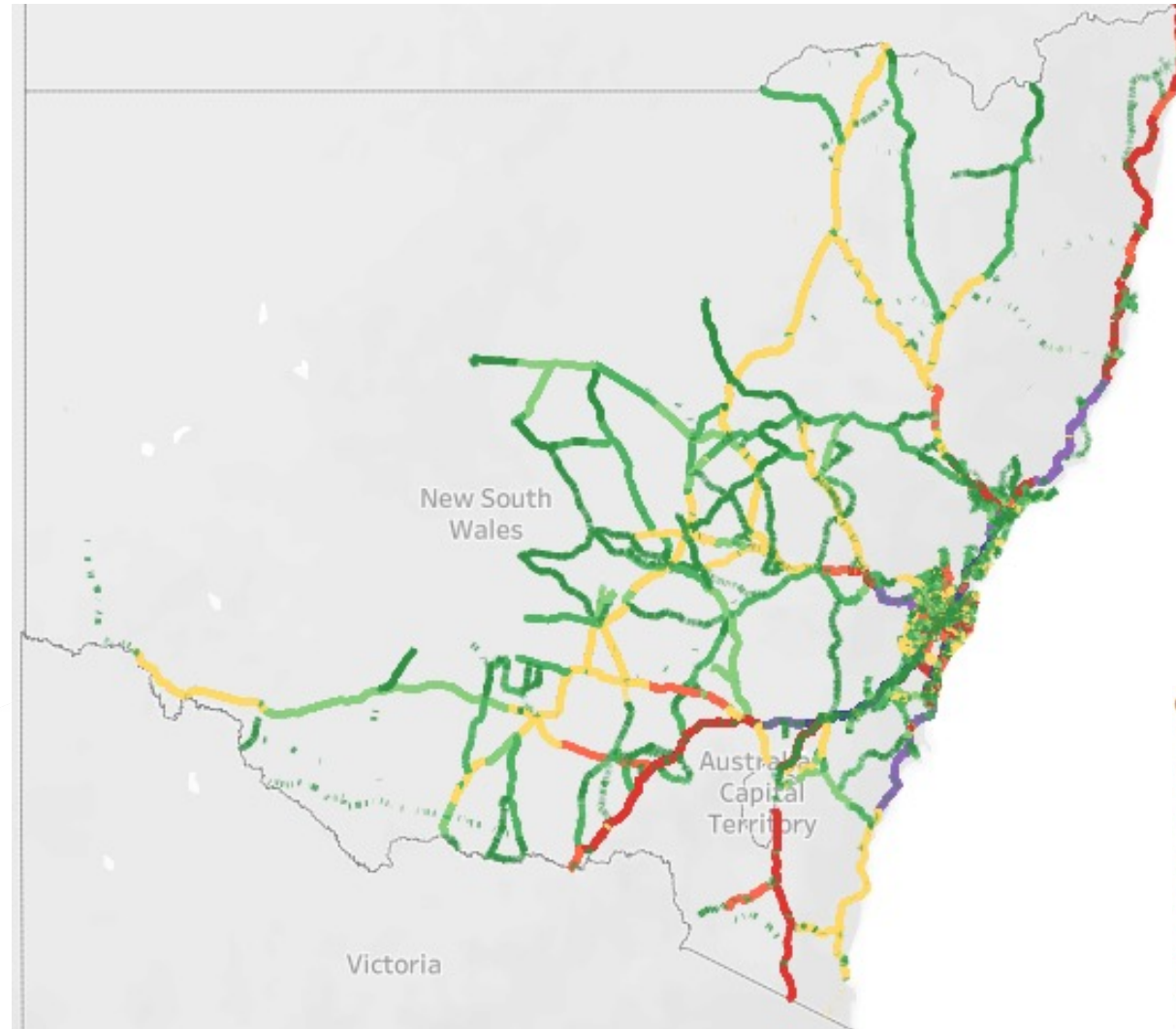
Petroleum and Gas: 43 vehicles

- Toll
- Linfox

Data from 152 Dangerous Goods vehicles was shared over a 12 month period

DG vehicles travel throughout NSW

Key regional hubs include:
- Cessnock
- Lithgow
- Orange
- Yass
- Wagga Wagga

Key corridors

Colour Legend
- 1 - 100
- 101 - 500
- 501 - 1000
- 1001 - 5000
- 5001 - 10000
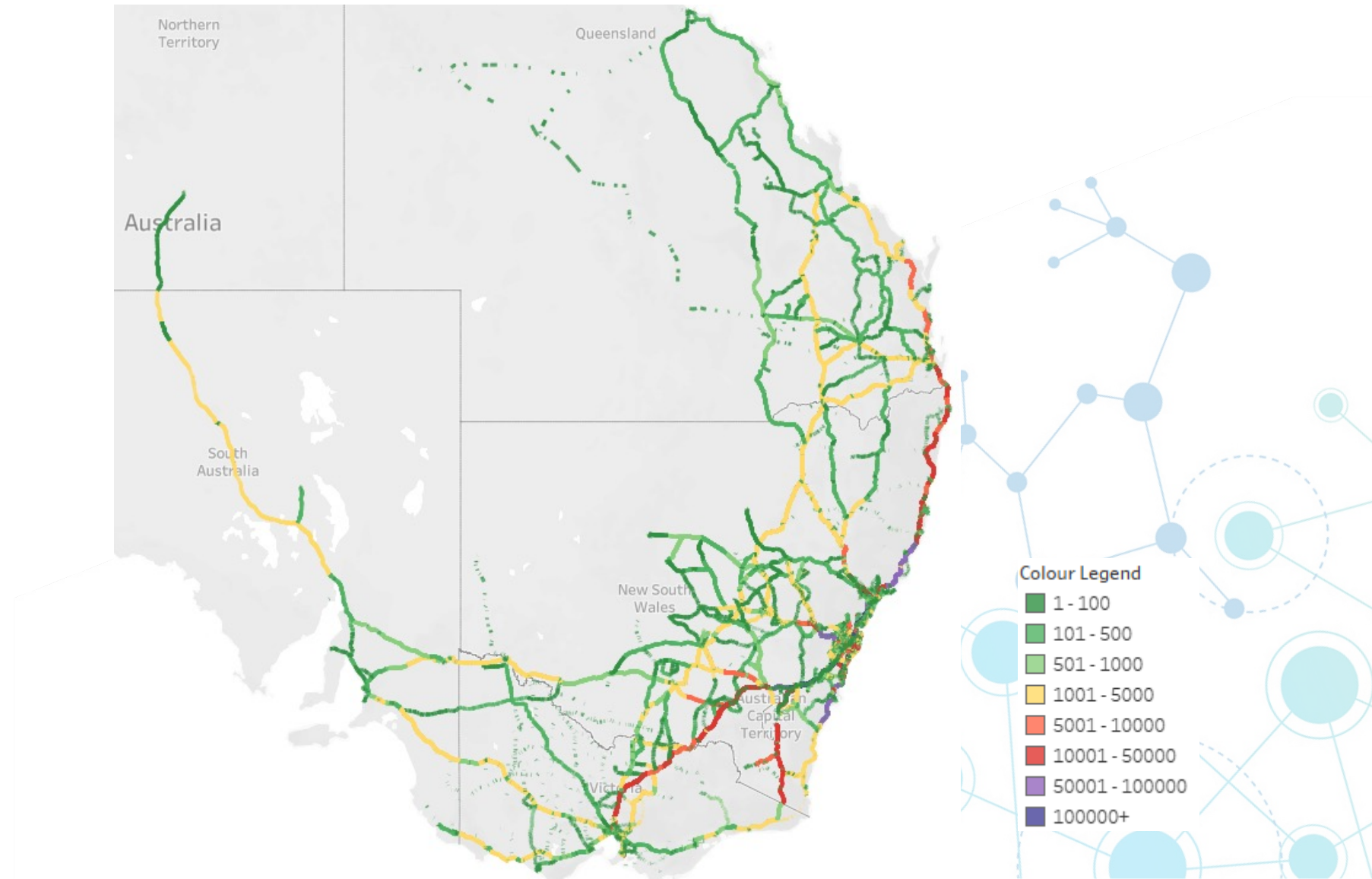- 10001 - 50000
- 50001 - 100000
- 100000+

DG vehicles travel all over Australia

Dangerous Goods vehicles travel all over Australia.

Dangerous Goods movements are complex, interconnected and widely distributed.

Colour Legend
- 1 - 100
- 101 - 500
- 501 - 1000
- 1001 - 5000
- 5001 - 10000
- 10001 - 50000
- 50001 - 100000
- 100000+

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What did we learn?

Four key learnings from the Dangerous Goods Movement Study:

- Make it national
- Capture Dangerous Goods types
- Data sharing arrangements need to be built on trust
- Why just a one-off study?

The results from the 2019-20 study are already out-of-date!

Progressing a new initiative

In response to conversations we've had, were proposing a new industry led, data sharing arrangement for Dangerous Goods vehicles

Key features:

- National
- Voluntary
- Secure data sharing arrangements
- Opt-in and opt-out at any time
- Regular reporting and analysis through the NBTA

We might still need roads in the future…

But with good data, we'll be able to tell better stories

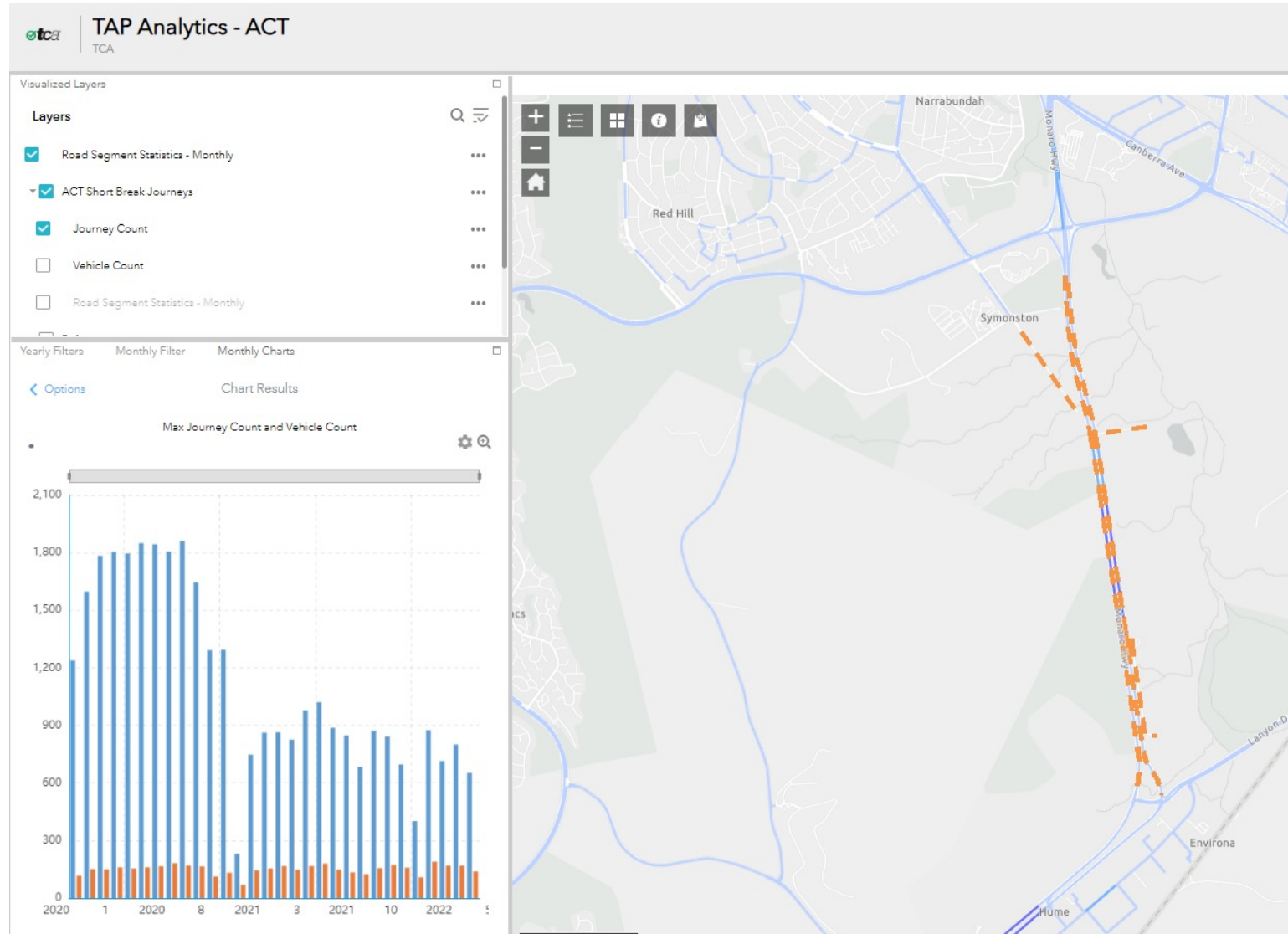And use data to influence better outcomes for this important industry
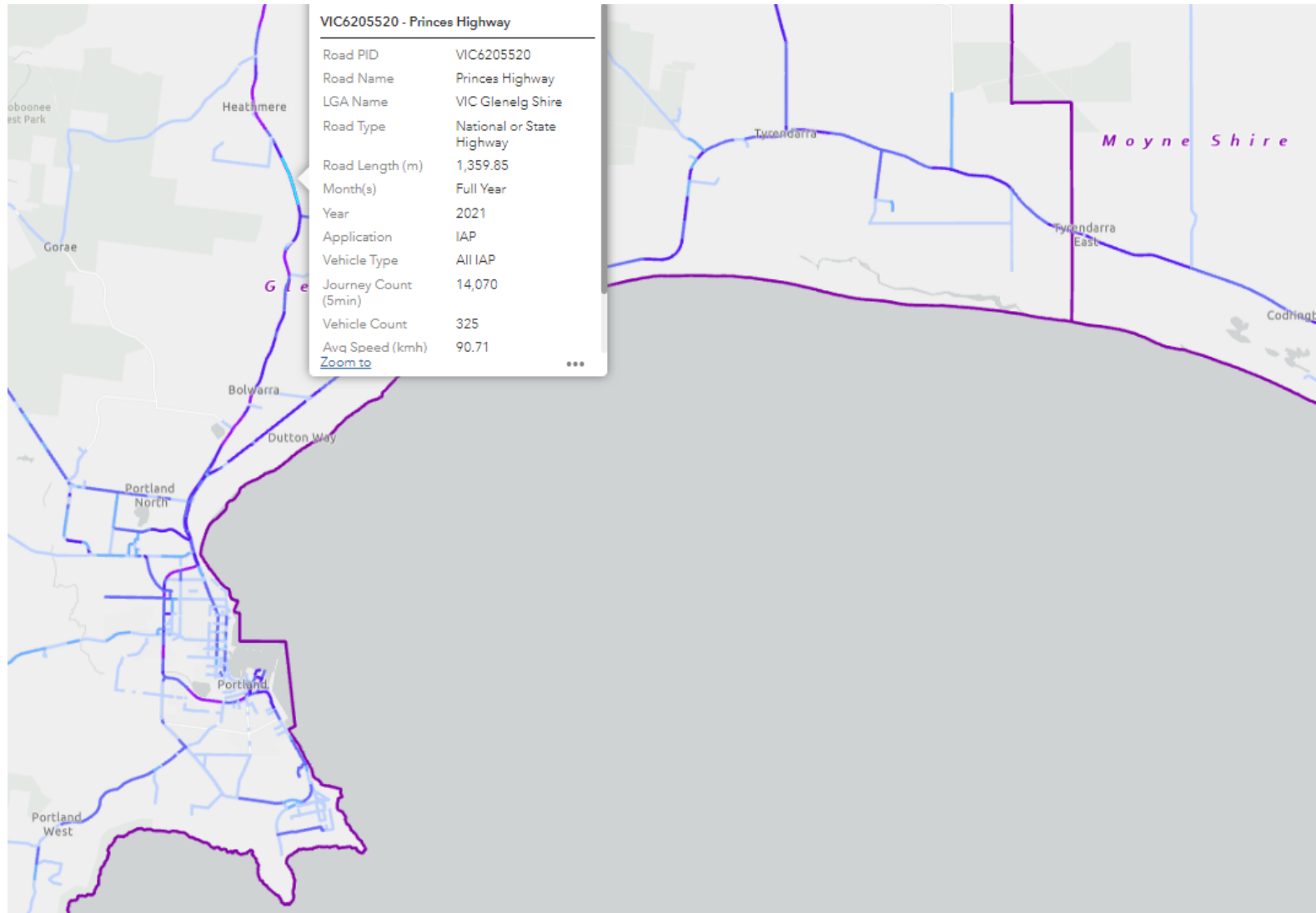
So how do we progress it?

We'd like to work with the NBTA and its members to shape a data sharing arrangement for Dangerous Goods vehicles

If you're interested, let's talk!

An example of data-driven insights

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VIC6205520 - Princes Highway

Road PID	VIC6205520
Road Name	Princes Highway
LGA Name	VIC Glenelg Shire
Road Type	National or State Highway
Road Length (m)	1,359.85
Month(s)	Full Year
Year	2021
Application	IAP
Vehicle Type	All IAP
Journey Count (5min)	14,070
Vehicle Count	325
Avg Speed (kmh)	90.71

Zoom to

Reach out

Gavin Hill

gavinh@tca.gov.au

0439 489 681

John Gordon

johng@tca.gov.au

0447 068 318