



**Australian Government**

**Department of Infrastructure, Transport,  
Regional Development and Communications**

Bureau of Infrastructure and Transport Research Economics

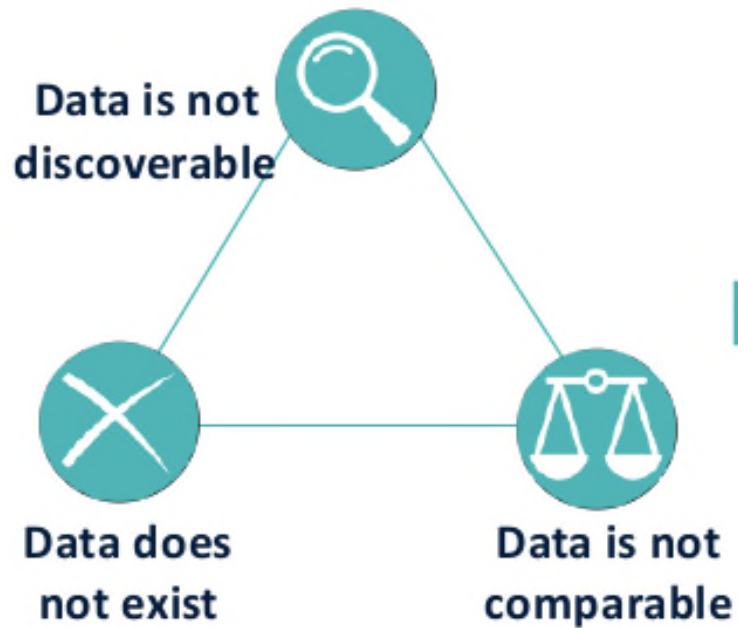
# National Freight Data Hub

Progress update to iMOVE webinar

Presented by Helen Guyes and Matt Stockwell



# Why establish a National Freight Data Hub?



**Meaning we cannot answer key questions about freight**

How is the network performing?

What and how much freight is being moved?

Which routes are used to move freight?

What is the extent of freight consignment delays?

How do Australia's supply chain costs compare with international competitors?

# Where we have come from

## Design process gathering stakeholder input:

- Agreed the purposes, functions, data priorities and enduring questions for the Hub

PURPOSES			FUNCTIONS		
Strategic planning	Operations	Evaluation	Open data	Data exchange & standards	Leadership & innovation

- Design elements: data, technology, governance, regulation, funding
- Initial focus on government data → designed to become a federated data sharing network
- Prototype Hub website: proof of concept to demonstrate the value of improved access to freight data

# Where we are going

\$16.5 million from the 2021-22 Budget over four years to 2024-25

## Publish more **Open data**

- Move from prototype or pilot projects to full data projects
- Improved data quality across priority projects and data gaps

## Federated **data sharing network**


- An efficient and safe data sharing system
- Begin with centralised Government 'node'
- Robust technical platform – maintain privacy, commercial sensitivities, security
- Data standards

## Leadership and innovation

- Governance and program oversight
- Formal data sharing agreements
- Industry and public engagement
- Monitoring and evaluation program
- Annual Reporting under the National Freight and Supply Chain Strategy

# Prototype Hub website demonstration

Matt Stockwell

 Australian Government

## National Freight Data Hub - prototype website

National Freight and Supply Chain Strategy

The prototype website demonstrates how the front end of the National Freight Data Hub will make data available to industry, government and others to improve the efficiency, safety, productivity and resilience of the freight sector.

Feedback and lessons learnt on the prototype will help inform the next steps on delivering a National Freight Data Hub.

Data has been provided by industry and governments: industry has provided telematics and container data to the Bureau of Infrastructure and Transport Research Economics (BITRE); state and territory governments have provided truck count, road closure, road roughness and rest areas data, and the Australian Government has provided customs and road investment data, as well as Transport Certification Australia (TCA) telematics data.

### Insights

Explore new and existing freight data through interactive maps and graphs to identify trends and patterns.

[View Insights >](#)



### Catalogue

Find data using the first curated and searchable national freight data catalogue for Australia. While the initial focus is on freight data with a national coverage you can help us to improve the catalogue by nominating high-quality open datasets for future updates.

[View Data >](#)



**Questions?**

**[FreightDataHub@infrastructure.gov.au](mailto:FreightDataHub@infrastructure.gov.au)**

**Additional slides**

# Enduring Questions

## Foundation freight data Enduring Questions guiding the design of the Hub:

1. What freight is being moved, to, from, and around Australia?
2. Where is freight being moved?
3. How is freight being moved?
4. How can we enhance supply chain visibility?
5. What and where are the physical and regulatory bottlenecks and barriers for the efficient and safe movement of freight?
6. What proportion of traffic is freight?
7. How well are Australia's freight transport networks performing?
8. How do the costs of Australia's supply chains compare with international competitors?
9. How much of the freight fleet is running with spare capacity, and what are the opportunities to increase efficiency of back loading?
10. What and where are the opportunities for freight movements to be more efficient and safe?



## 1 **Consignment**

- Location of consignments
- Consignment information: commodity, volume and value

## 2 **Container**

- Location and status of containers
- Container information: commodity, volume and value

## 3 **Vehicle**

- Traffic counts
- Location of vehicles/vessels
- Fleet information

## 4 **Infrastructure**

- Location, capacity, constraints, condition of production sites, delivery sites, rest stops, transport assets
- Land use and zoning

## 5 **Cost**

- Costs of services in supply chains
- Infrastructure spending/costs
- Government charges
- Labour force information

Enduring questions generate the five  
**Data Priorities**