

Uplifting data use and statistical literacy

Asia-Pacific Stats Café Series

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Informing Australia's important decisions



Enabling data policy



Guiding the direction

- Whole of Government strategic data initiatives
- Enabling legislation
- [Australian Data Strategy](#)

Setting the boundaries

- Effective partnerships
- Operating agreements
- Communities of Practice

Implementation

- Governance frameworks
 - Policies and operating procedures
 - Secure systems
-

1. Why we need a data profession

Lifting data capability across the Australian Public Service



Source: Dept of Prime Minister and Cabinet



Launched September
2020



One of three APS
professional streams:
Data, Digital, HR



Purpose: uplift data
capability across the
APS



A wide range of
initiatives being
undertaken

[APS Data Profession | Australian Public Service Commission \(apsc.gov.au\)](https://apsc.gov.au)

The Data Professional Stream Work Program



Establishing the professional stream

- Set up the professional stream
- Establish a Senior Reference Group
- Identify the Head of Profession
- Develop a Professional Stream Strategy
- Collaborate and network
- Establish professional network



Getting it right from the start

- Attract the right skills to APS roles
- Streamline recruitment across the APS
- Develop an APS profile
- Build inclusion into the professional stream
- Ensure appropriate entry level qualifications
- Collaborate with the education sector to uplift entry level qualifications



Developing sophisticated and specialist capabilities

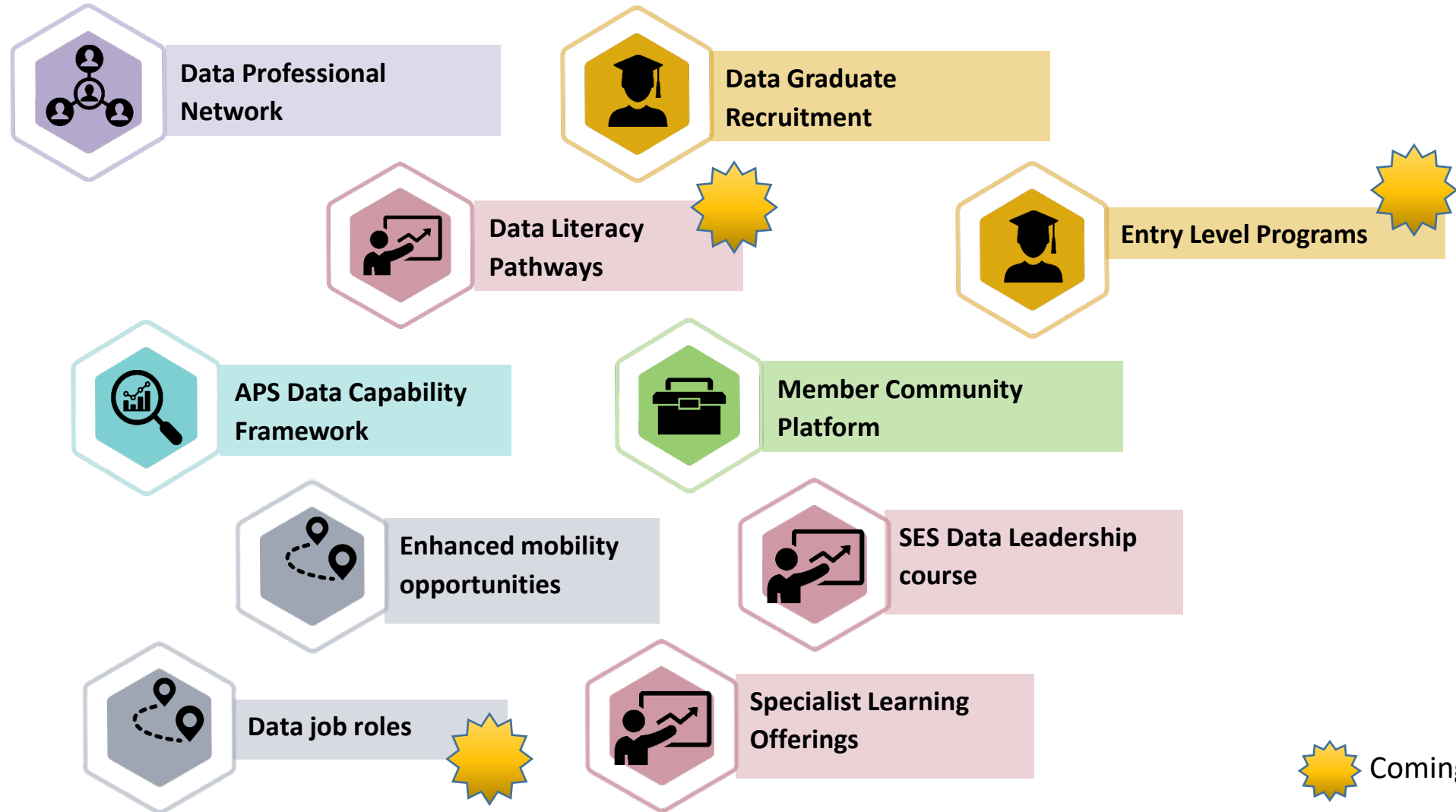
- Enhance capabilities
- Design job role profiles
- Identify and develop capabilities
- Identify and promote structured learning opportunities
- Encourage learning by immersion



Embedding a professional workforce

- Retain and grow workforce for the whole APS
- Define and promote career pathways
- Support professional communities
- Identify professional standards

What has been achieved

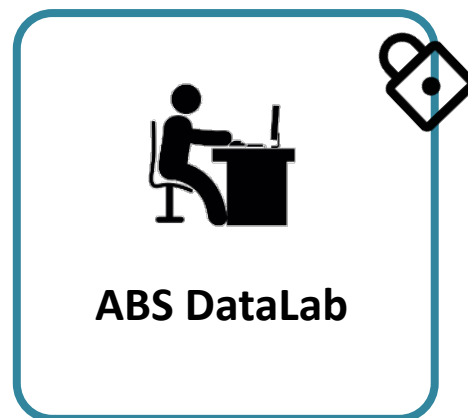
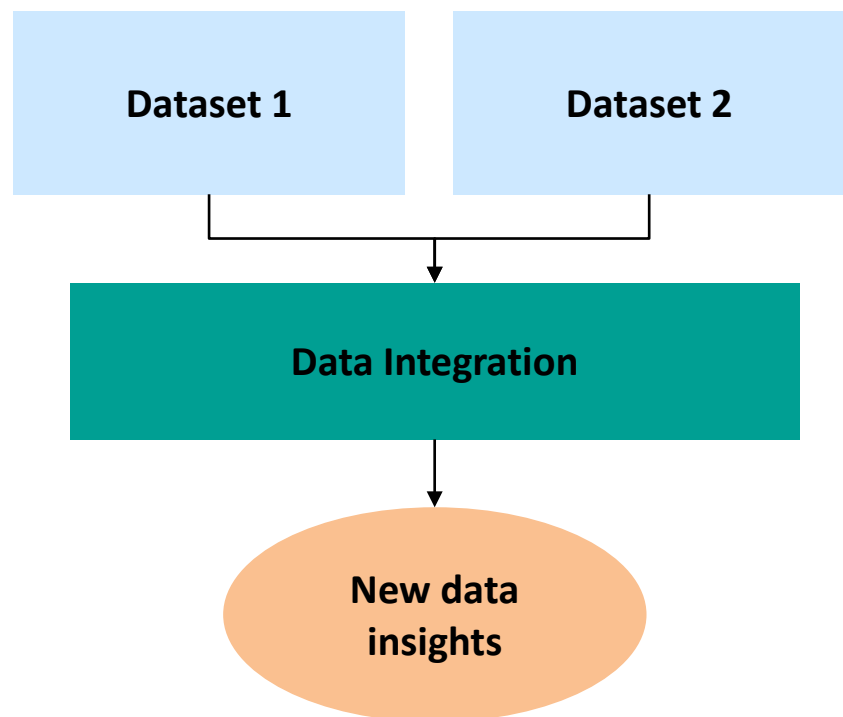


 Coming soon

2. Integrated data

Increasing the utility of Australian Government data

Data integration involves **bringing two or more sets of information together** for statistical and research purposes.



Benefits of educational attainment

Department of Education



Reducing lives lost in heatwaves

Bureau of Meteorology

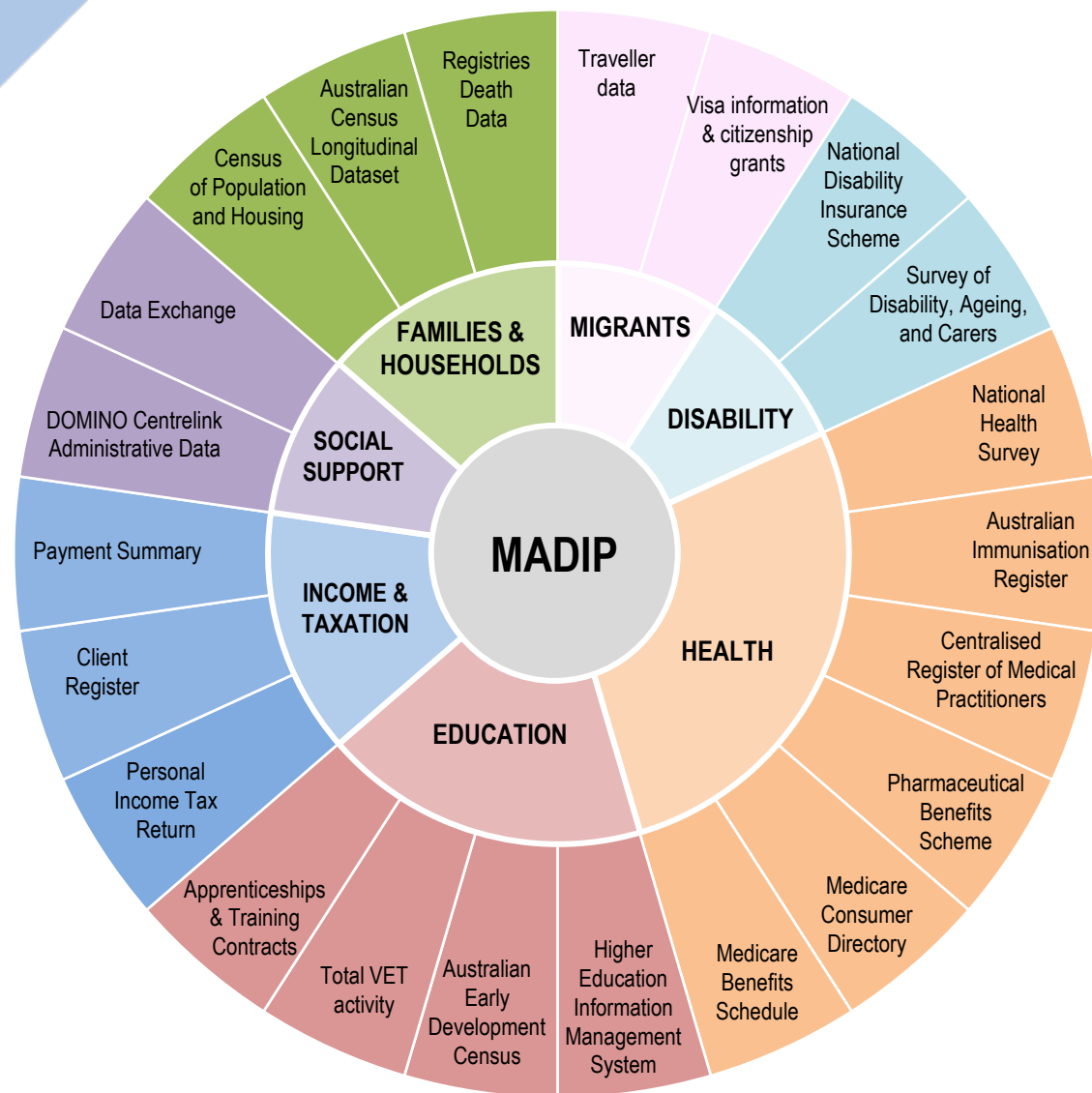


Real time analysis of the economy and labour market

The Treasury



Analytical data in MADIP



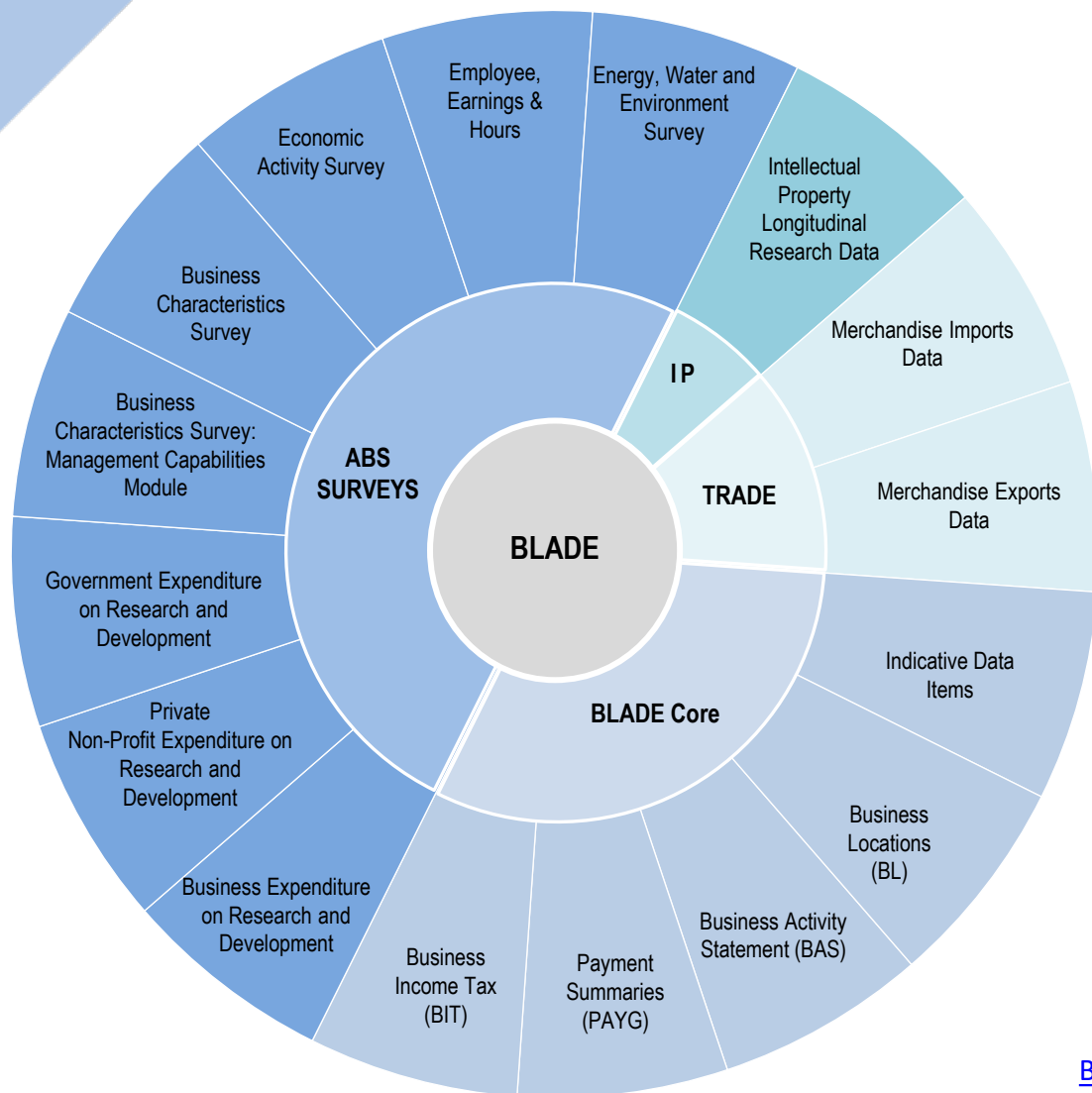
Multi-Agency Data Integration Project
a secure, person-based research data asset
combining information to create a comprehensive
picture of Australia over time.



MADIP
Partner Agencies

- Australian Bureau of Statistics
- Australian Taxation Office
- Department of Health
- Department of Social Services
- Department of Education
- Services Australia
- Department of Home Affairs

Analytical data in BLADE



Business Longitudinal Analysis Data Environment
an economic data tool combining tax, trade, and IP data with ABS data to provide a better understanding of the Australian economy and business performance over time.



BLADE
Partner Agencies

- Australian Bureau of Statistics
- Australian Taxation Office
- IP Australia
- Department of Home Affairs

Case Study



Linking Australian Immunisation Register (AIR) data with MADIP for pandemic response

Actionable insights are regularly used by the National COVID Vaccine Taskforce, state health departments and Primary Health Networks for targeted interventions to **boost vaccine uptake**.

For example, the Vaccine Taskforce identified **low-uptake languages groups** for additional culturally appropriate ad campaigns, digital translations, and community outreach activities. Jurisdictions have used the MADIP data provided to deploy multilingual GPs and healthcare workers to **better support multicultural communities**.

MADIP data has also been used by peak technical advisory groups like the Australian Technical Advisory Group on Immunisation (ATAGI) and the Australian Health Protection Principal Committee (AHPPC) to **inform their decision-making**.

Questions?

