



Australian Government
Department of Education and Training

National Education Evidence Base (NEEB)

May 2018



Government agenda for data

What is public data?

- Public data is information collected or generated by the Australian Government
- It includes data on social security payments, taxation, demographics and geographic information

How is public data used?

- To help develop and implement government policies and programs that benefit all Australians

How is government driving the data agenda?

- By implementing a number of initiatives aimed at improving the way data is managed, shared and published

What is the Data Integration Partnership for Australia?

DIPA is:

- An investment to maximise the use and value of the Government's data assets, by integrating and analysis of high-value national data assets together to build linked longitudinal data

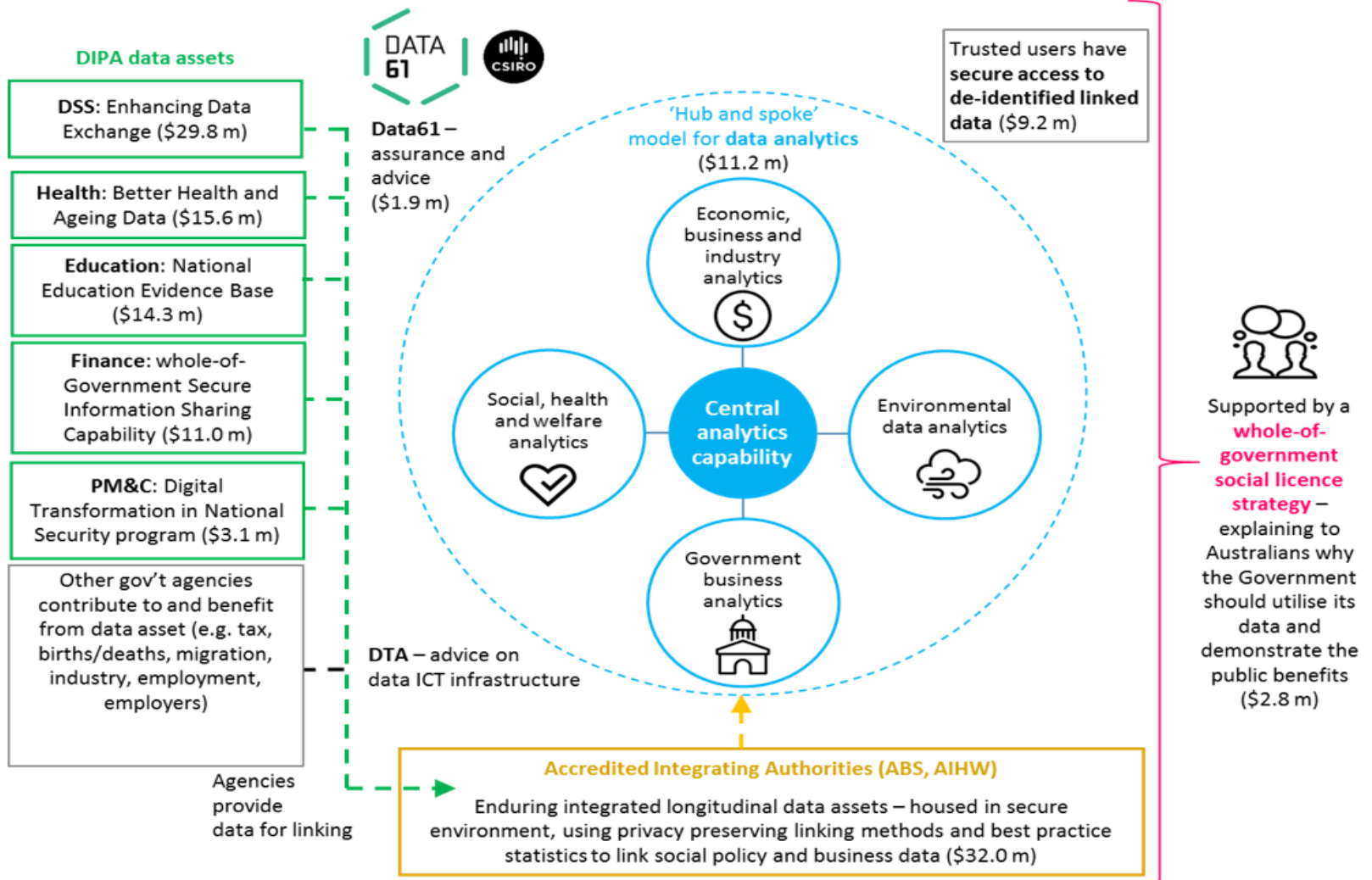
What are the benefits?

- Government will be able to design more effective and targeted programs across education, social services, health and aged care
- DIPA will create new insights into important and complex policy questions

Future state

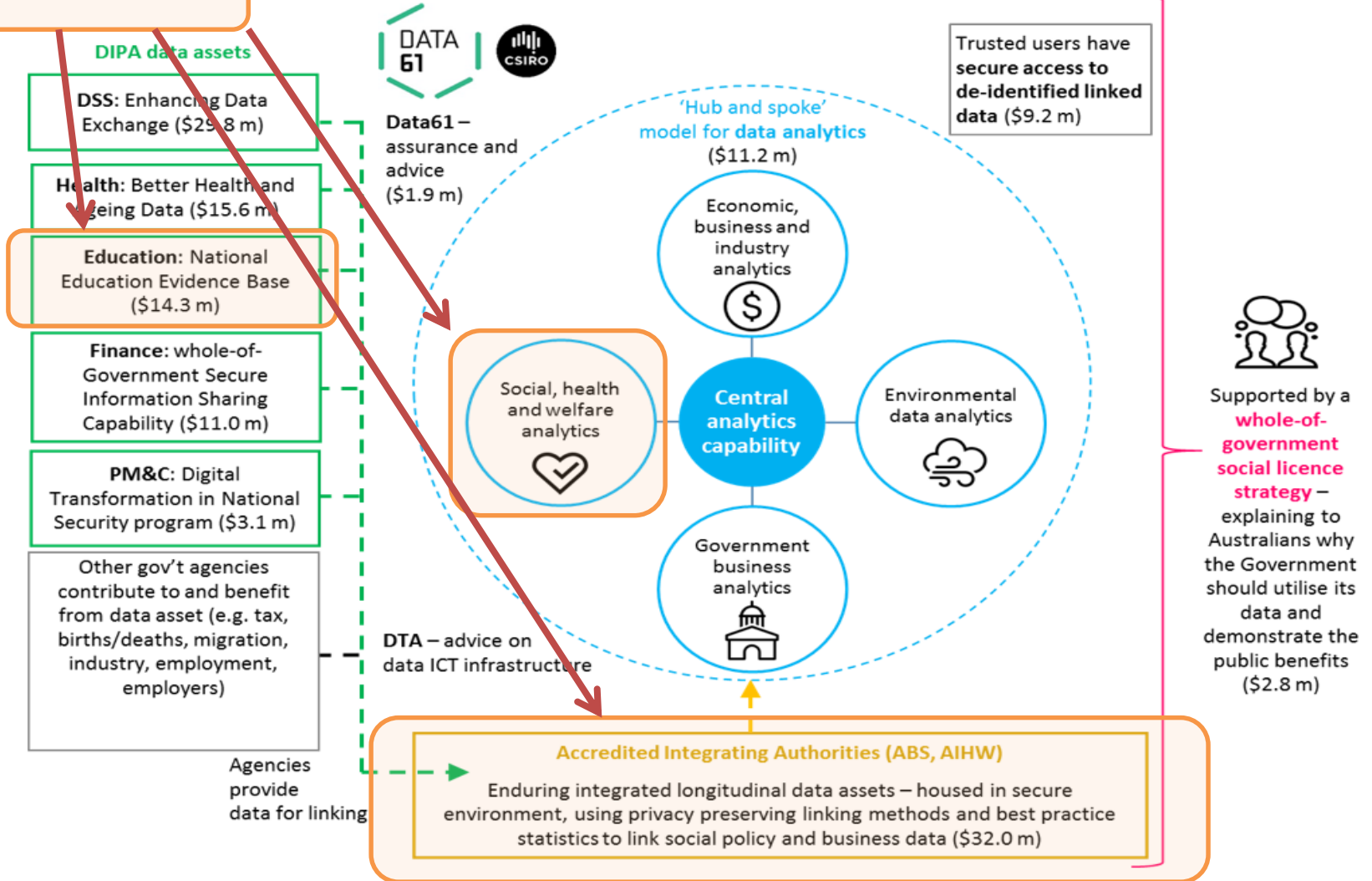
- Access to integrated high-value data from across government which is cost effective, efficient, and lead to long-term reform in data collection and use

Data Integration Partnership for Australia



DET Involvement

Data Integration Partnership for Australia



National Education Evidence Base (NEEB)

DIPA data assets

DSS: Enhancing Data Exchange (\$29.8 m)

Health: Better Health and Ageing Data (\$15.6 m)

Education: National Education Evidence Base (\$14.3 m)

Finance: whole-of-Government Secure Information Sharing Capability (\$11.0 m)

PM&C: Digital Transformation in National Security program (\$3.1 m)

Other gov't agencies contribute to and benefit from data asset (e.g. tax, births/deaths, migration, industry, employment, employers)

What is NEEB?

- A sub-project of DIPA to bring together data on all phases of education to create a more complete picture of pathways through the Australian education system

What are the benefits?

- A single secure source of education data that is accessible to trusted analysts
- Enables the department to interrogate education data and inform evidence-based education policy
- Ability to see learning journeys through the education pathways

NEEB 12 months in.....

Insights and Capabilities project

- Captured high-level business, user requirements, and Vision for NEEB


Enterprise Data Catalogue

- An inventory of department-wide data assets
- Report with recommendations to implement an online data catalogue solution to provide a single source listing of departmental datasets
- Development of a data catalogue prototype in SharePoint

Proofs of Concepts and Business Scenarios

- Trial data visualisation and analytics tools

Solution Design

- Reviewed the Department's current state information architecture
 - Set design principles
 - Target state information architecture & delivery focus areas
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NEEB Vision

The National Education Evidence Base will provide a secure platform to bring together and analyse lifelong learning information.

This will enable better understanding of the education system's performance and its impact, as well as better design and targeting of policy and programs, to the long-term benefit of Australia's society.



A consistent and integrated view of learners throughout their lives



A trusted broker of Australia's most valuable education data assets



Enabling a focus on the use of research to develop a world-leading education system

Enterprise Data Catalogue

What is it?

- A knowledge base of data assets and resources across the department

Why is NEEB doing this?

- To make information about the data collected accessible to all staff and help identify the high-value education data assets for integrating into the final NEEB solution and DIPA

Where are we up to?

- About to launch the initial data catalogue on SharePoint – **June 2018**

What are the next steps?

- Design, build and implement the detailed data catalogue solution – **December 2018**

Proofs of Concept (PoCs)

What is it?

- Pilot projects designed to test, or trial, a particular idea or technological tool

Why is NEEB doing this?

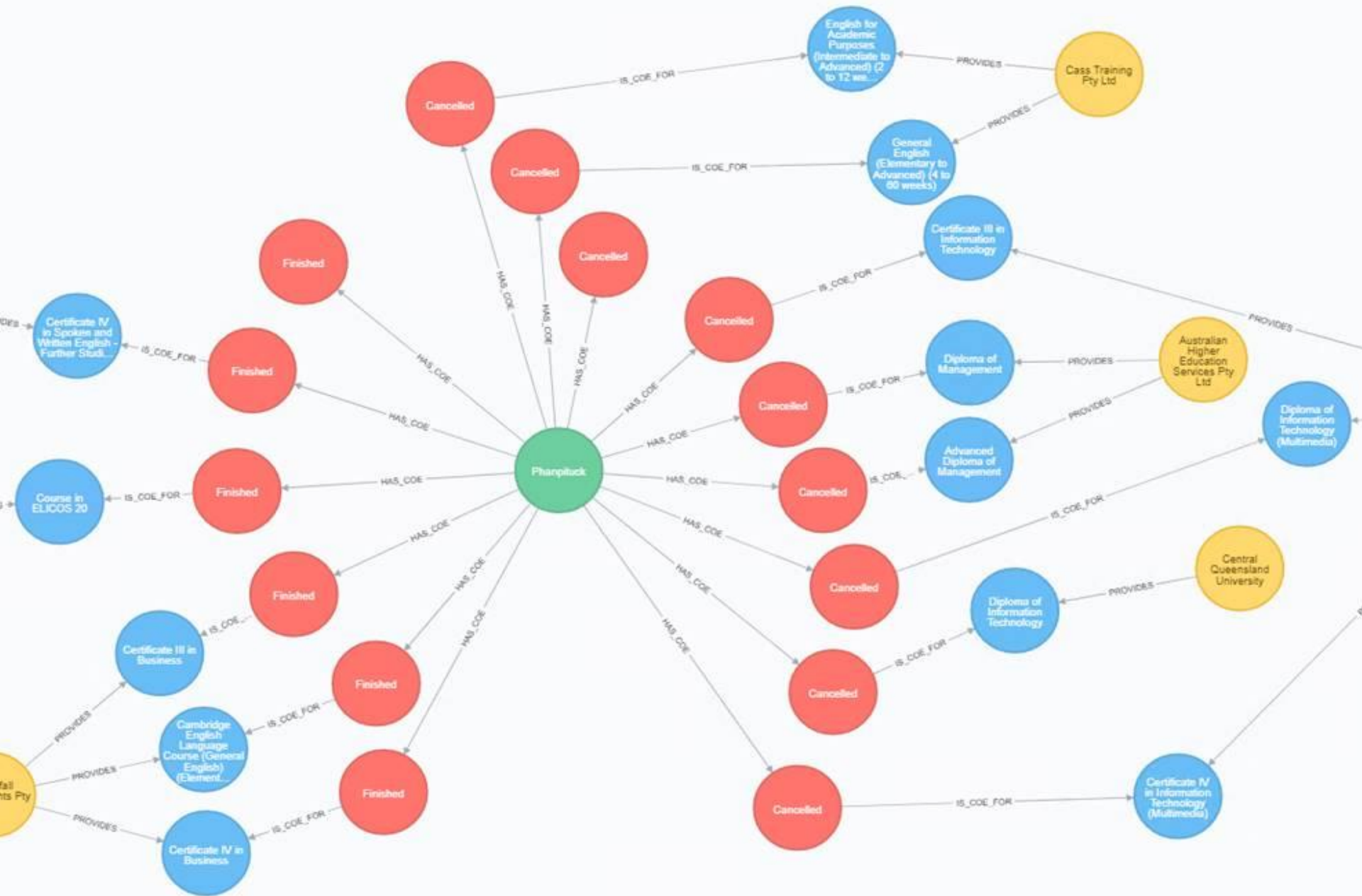
- To determine how compatible the idea or tool is with achieving NEEB program goals

Where are we up to?

- Two PoCs have commenced:
 - One demonstrates the linking of student identifiers
 - The other demonstrates if graph database technology can identify relationships between entities
- Procured a managed service provider to assist in running the PoCs

What are the next steps?

- Continue running PoCs to test potential tools for the NEEB solution
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Delivery approach – Business Scenarios

What is it?

- A 'real world business problem with data' identified by a business area


Why is NEEB doing this?

- Enable the program to deliver ongoing benefit to end users throughout the delivery cycle
- Encourage engagement with NEEB by helping resolve a current business issue

Where are we up to?

- A number of business scenarios have been approved and progressed to testing various technology solutions

What are the next steps?

- Continue identifying business scenarios to support the ongoing rollout of the technology solutions
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Questions?

