Big Data must be Valuable:

A perspective from Australia

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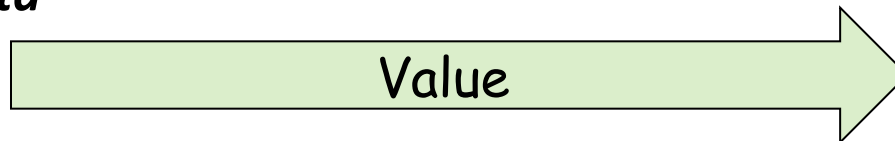
Australian National Data Service

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Big Data is not magic – it's all about value

Australian R&D

- $AU30B per annum R&D spend
- $AU8B per annum HE spend
- *15% on data gathering??*
- $AU1B on data per annum
- So we better get good *value from this data*

Data is more **valuable** if:

- It can be used later - enduring
- It is able to be used by more researchers
- It is able to used to answer new questions
- It is able to be integrated to explore new data spaces

→ Value →

Transform data that are:

- Unmanaged
- Disconnected
- Invisible
- Single use

To Structured Collections that are:

- Managed
- Connected
- Findable
- Reusable

Data infrastructure is more valuable:

- If it exists! Big data needs integrated generation, storage, management and services (NCRIS)
- If it is not home-grown – the world unique solution
- If it is collaborative – no discipline silos
- It is reliable – short term solutions dilute value
- If it is available as services – needs international solutions
- If it is globally interoperable – both within and across disciplines
- If it provides *open*, accessible and usable services

Thank you