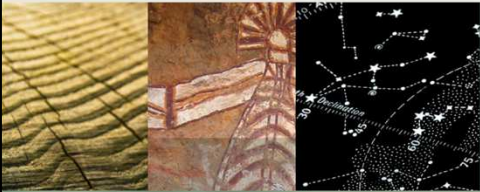



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AUSTRALIAN NATIONAL DATA SERVICE



Building human and infrastructure capacity through a national approach: the ANDS experience

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## What is ANDS?

- ANDS is supported by the Australian Government
- Began in 2009, currently funded to June 2013
- Collaboration between Monash University, CSIRO and the Australian National University
- Staff in 6 cities across the country

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## Our assumptions:

- Research data is a first class output of research
  - *So it should be published*
- Research outcomes are enhanced by better access to richer data
  - *It's just like getting access to a more powerful microscope*

So better data is a good idea!

## ANDS enables transformation of:

Data that are:

- Unmanaged
- Disconnected
- Invisible
- Single use

To Structured Collections that are:

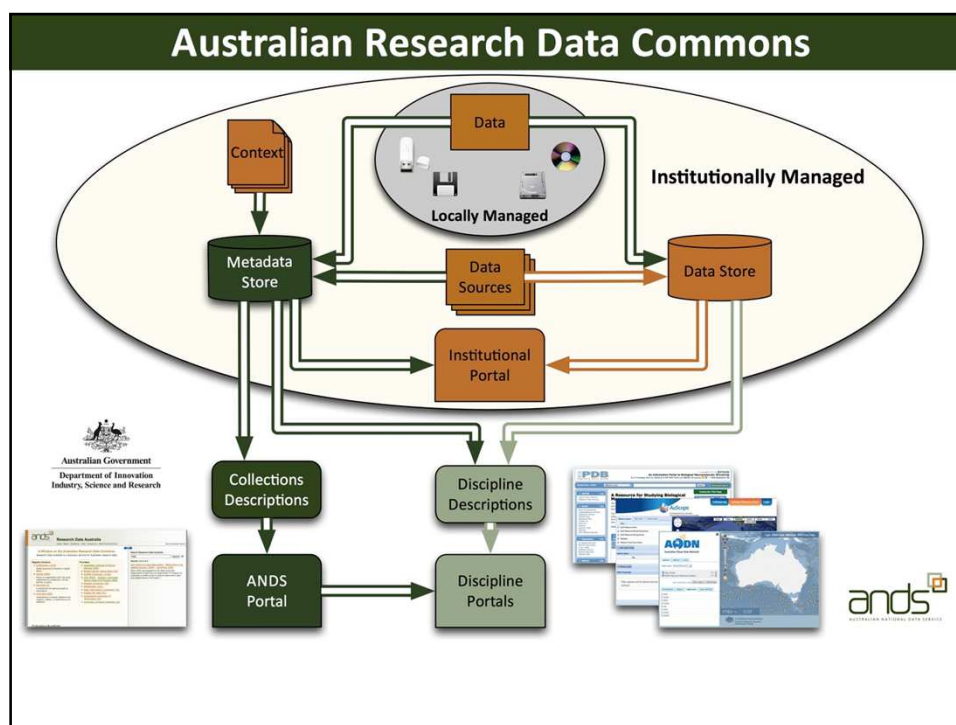
- Managed
- Connected
- Findable
- Reusable

so that Australian researchers can easily publish, discover, access and use research data.

ANDS is helping build the Australian Research Data Commons:

A meeting place for researchers and data:

- The set of data collections that are shareable
- The descriptions of the collections
- The relationships between the data, the researchers, the problems, the instruments and the institutions
- The infrastructure that enables populating and exploiting the commons



## ANDS role:

- Establish several national services in support of research data
- Help populate the ARDC with data collections that are managed, connected, and discoverable and reusable
- Partner with institutions to establish coherent institutional research data infrastructure
- Improve the ability of the Australian research system to exploit its research data through the lens of the ARDC using tools, policy and human capability

## ANDS as a funder

- ~\$30 million
- Funding primarily provided at institutional level
- Infrastructure programs
  - Metadata Stores
  - Data Capture
- Human capacity programs
  - Seeding the Commons
  - Capabilities

## Data Capture

- So far
  - Funded 76 projects supporting better capture of data and metadata from a range of instruments
  - Completed 13 of them
  - Benefit for researchers: making the right thing easier
  - Benefit for their institutions: fixing the future
- What's next
  - Moving from development to wider deployment

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## Metadata Stores

- So far
  - Funded a range of institutional solutions for collections metadata
    - ReDBoX (IR-based), VITRO (RDF-based), Tardis (RDBMS), ORCA(RDBMS)
    - Plus five deployments at different institutions
  - Connector to ResearchMaster CRIS for info about people and projects
- What's next
  - Funding to 22 institutions for development/deployment/configuration of solutions that support a standard set of deliverables

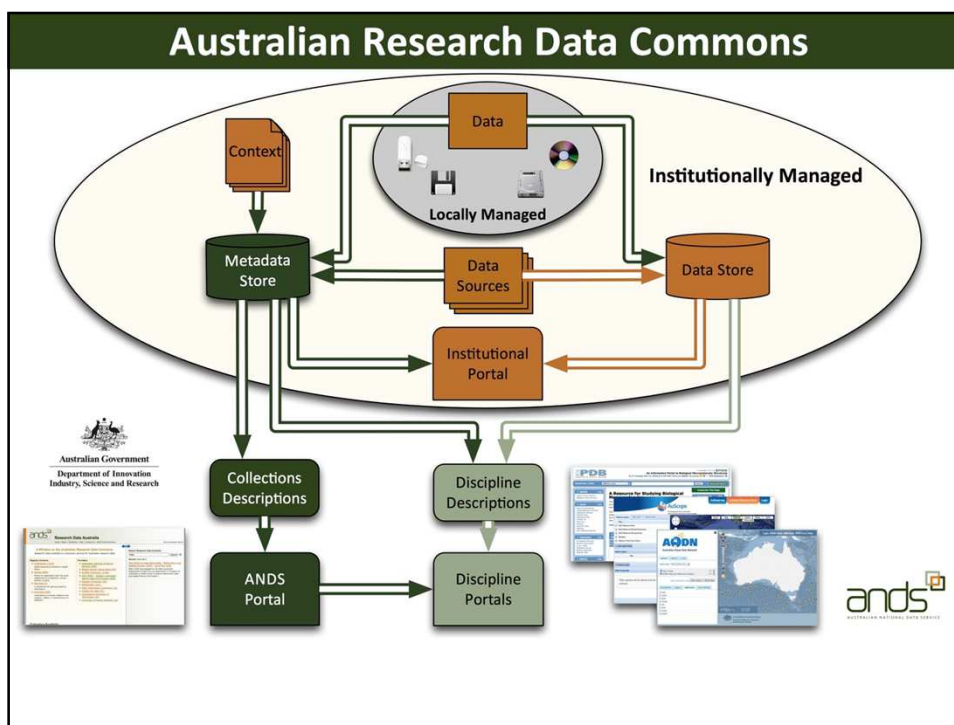
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## Seeding the Commons:

- So far
  - 8 of 34 projects completed
  - 19 institutions with data management policies and planning in progress
  - 19 supplying records to Research Data Australia
- What's next
  - About to fund another 7
  - Building greater coherence within and across universities

## Coherence

- Within institutions:
  - Connections between projects, across institutions
  - Formation of data management steering groups across areas
    - Excellence in Research Australia (ERA) has played a big role
  - New data management positions
- ANDS role:
  - National services
  - Provision of advice, support, tools and infrastructure



Thank you

- Questions?

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