










ANDS and Dark Tails on the Long Data of Science

Dr Andrew Treloar, Director of Technology

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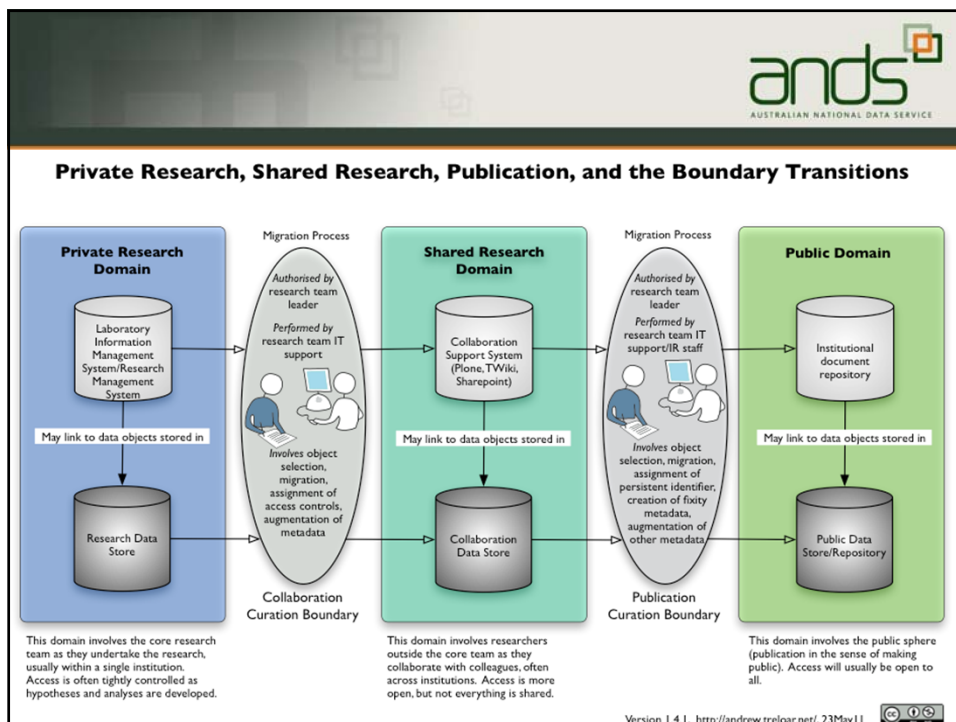
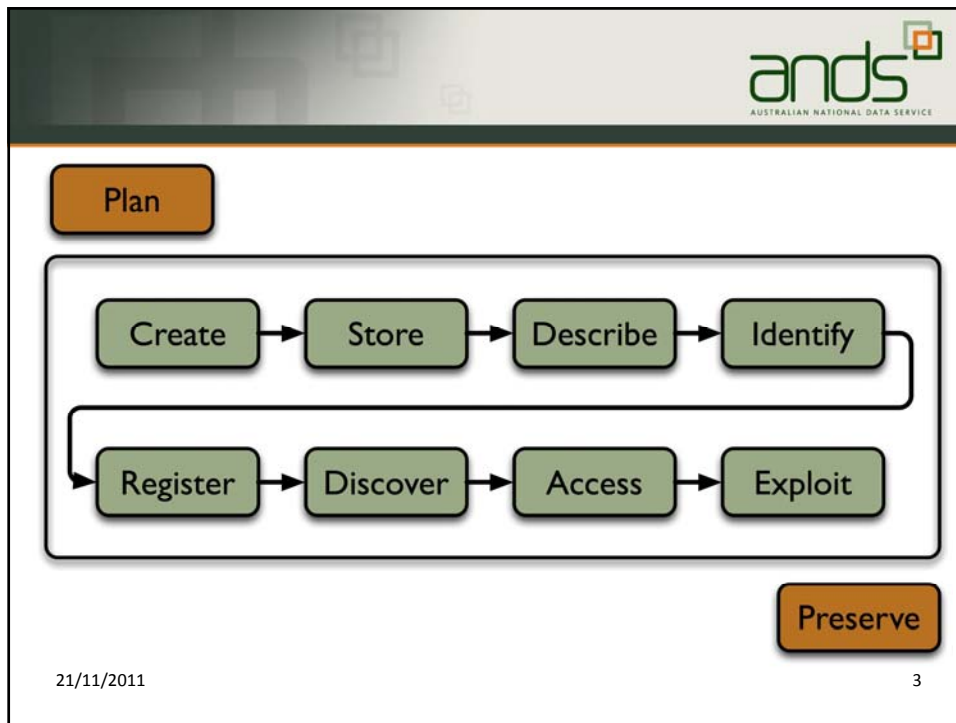


ANDS enables transformation of:

Data that are:	To Structured Collections that are:	
 Unmanaged	 Managed	✓
 Disconnected	 Connected	✓
 Invisible	 Findable	✓
 Single use	 Reusable	✓

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

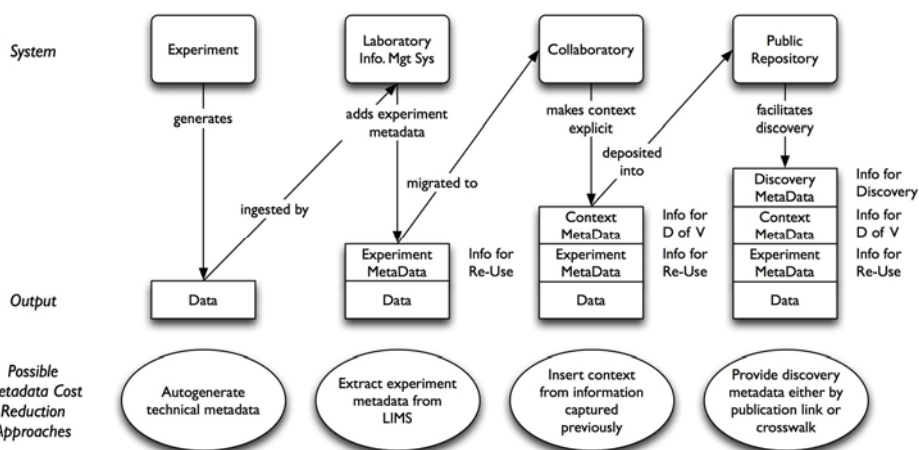
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Make the Right Thing Easy


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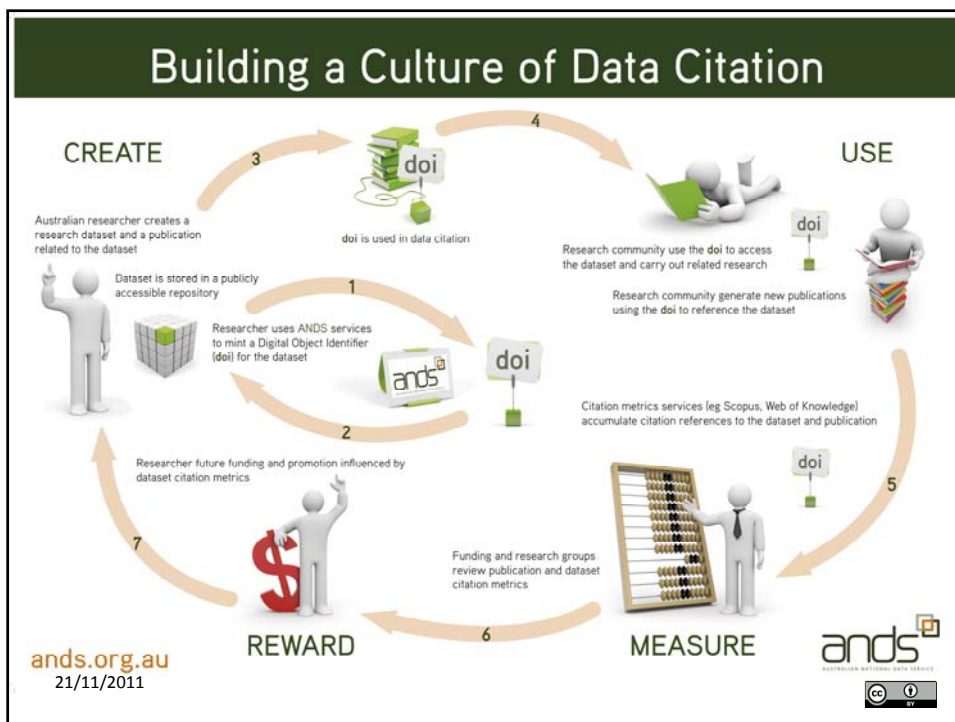



 AUSTRALIAN NATIONAL DATA SERVICE

Re-use metadata: from bad to good

Survey ID	Ind. Cat.(O)	T-PC	F-Views	A-Convenience
Date	T	S	D1	D2
Date	Depth	Temp	Salinity	Density
Date	Depth (m)	Temperature (Celsius)	Salinity (ppt)	Sigma -T (kgm-3)
Date	<u>Depth (m)</u>	<u>Temperature (Kelvin)</u>	<u>Salinity (ppt)</u>	<u>Sigma -T (kgm-3)</u>

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DOI Example: Connect pub and data

- König-Langlo, G., Gernandt, H.(2009) Compilation of ozonesonde profiles from the Antarctic station Georg-Forster from 1985 to 1992, Earth System Science Data, 1,1-5, [doi:10.5194/essd-1-1-2009](https://doi.org/10.5194/essd-1-1-2009)
- König-Langlo, G; Gernandt, H (2008): 426 ozonesonde profiles from Georg-Forster-Station. *Alfred Wegener Institute for Polar and Marine Research, Bremerhaven*, [doi:10.1594/PANGAEA.547983](https://doi.org/10.1594/PANGAEA.547983)

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RESEARCH DATA AUSTRALIA


SEARCH Advanced Search

Research Data Australia is a discovery service for Australian research data.

What's in Research Data Australia

- COLLECTIONS** Research datasets or collections of research materials. Browse All Collections (25,743)
- PARTIES** Researchers or research organisations that create or maintain research datasets or collections. Browse All Parties (2,398)
- SERVICES** Services that support the creation or use of research datasets or collections. Browse All Services (45)
- ACTIVITIES** Projects or programs that create research datasets or collections. Browse All Activities (934)







Spotlight on research domains
More information on research data infrastructure for specific domains:

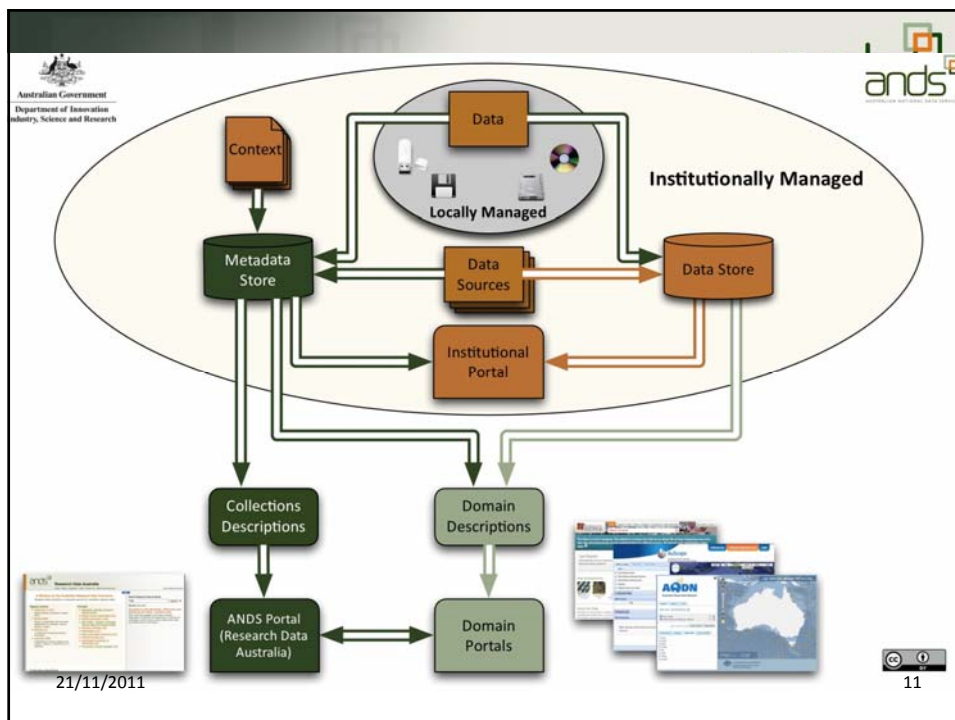
 

The Australian Plant Phenomics Facility
<http://www.plantphenomics.org.au/>

The Australian Plant Phenomics Facility (APPF) provides Australian researchers with world-leading capability to measure the attributes of plants and relate this knowledge to their genetic make-up. The APPF is a cross-institutional facility, which involves two quite different but highly complementary research centres - The Plant Accelerator in Adelaide, the APPF headquarters, and the High Resolution Plant Phenomics Centre in Canberra. The facilities provide state-of-the-art capabilities for plant phenotyping (offering controlled environments, field-based plant growth monitoring, automated high throughput imaging and computing technologies), integrated with the ongoing adaptation and application of emerging phenomics measurement technologies.

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Links

- ANDS Web Site: <http://ands.org.au/>
- ANDS Services documentation: <http://ands.org.au/services/>
- ANDS Services site: <http://services.ands.org.au/>
- Me
 - andrew.treloar.net
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 - andrew.treloar@ands.org.au

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