Building the **Research Data Ecosystem**

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Journey to New Directions

Capture - Manage - Share - Discover - Reuse

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Need for a Ecosystem to:

**The Researcher**
- Increase research impact
- Increased opportunities to collaborate
- Build their research profile

**The University**
- Prestige/impact
- Cost efficiencies
- Good research practices
- Build research partnerships
- Attract research students
- Attract Research Collaborations
- Attract Researchers

**Australia**
- More productive and competitive
- Attract funding, people, research partners
- Build national competitive advantage
- More effective use of public funds
Welcome to Griffith University's Research Hub, a rich and informative guide to the University's expertise in a comprehensive array of academic fields.
Sir Charles Darwin – is author of – Origin of the Species

Origin of the Species – was informed by – Darwin’s notebooks

Darwin’s notebooks – were prepared on – the second voyage of HMS Beagle

The second voyage of HMS Beagle – was undertaken from - 1831 to 1836

ANDS-VITRO ontology
Dr Stewart has active research interests in the field of engineering, construction, environmental and project management. Specifically his research covers topics such as innovation in construction (project information management systems, building information models, IT project life cycle management, innovation diffusion), process improvement (six sigma, TQM, International standards), modern procurement practices (joint ventures, PPP, BOOT, alliance contracts, technology transfer), water resource management (water end-use analysis, recycled water...
Associate Professor Rodney Stewart

Dr Stewart has active research interests in the field of engineering, construction, environmental and project management. Specifically his research covers topics such as innovation in construction (project information management systems, building information models, IT project life cycle management, innovation diffusion), process improvement (six sigma, TQM, international standards), modern procurement practices (joint ventures, PPP, BOOT, alliance contracts, technology transfer), water resource management (water end-use analysis, recycled water strategies, least cost demand management solutions), environmental management (water conservation, energy conservation), renewable energy systems (PV systems, battery storage, smart grid), smart asset management (decision support systems, fibre optics) and engineering education (project based learning, work integrated learning, international students).

More Information:
Publications in the Griffith Research Hub
URI: http://research-hub.griffith.edu.au/individual/n263e9f491d552c781e04416c0499599#publications

Staff profile page

Google Scholar My Citations
URI: http://scholar.google.com/citations?user=nuwkn6MAAAAJ&hl=en

Dr Rodney Stewart - Smartwater Research Centre
URI: http://www.smartwaterresearchcentre.com/rodney-stewart

Subjects:
ANZSRC
Contributors

Stewart, R.

Also known as
Stewart, Rodney (Associate Professor)

NLA Persistent Identifier

Biographies

Griffith University

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Resources for R. Stewart

Resources by (208) Resources about (5)

Aerial spray adjuvants for herbicidal drift control / H. Gratkowski, R. Stewart
Gratkowski, H
[Article : 1973]

Bundaberg Irrigation Area Basin Balancing Storage : report on geotechnical investigations / by A. Eade and R. Stewart
Eade, A
[Book : 1980]
Benefits of data DOIs:

- DOIs are globally unique, resolvable persistent identifiers
- The DOI system is supported by global infrastructure (Crossref, DataCite)
- DOIs are widely recognised (routinely used for research publications)
- Facilitates article tracking: citations and altmetrics
- Assigning DOIs to research data collections promotes the concept of data as being on par with publications as a valued research output

Example of a DOI for a Griffith data collection:

http://dx.doi.org/10.4225/01/4F8E1334371D0
We have to move from our current practice of ‘data sighting’…..

……to ‘data citing’.

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**Collection Record**

<table>
<thead>
<tr>
<th>Publisher</th>
<th>Research Centre for Clinical and Community Practice Innovation, Griffith University</th>
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<tbody>
<tr>
<td>Digital Object Identifier</td>
<td>10.4225/01/4F8E14EA3179E</td>
</tr>
<tr>
<td>Location</td>
<td>Griffith University, Gold Coast Campus, Parklands Drive, Southport, QLD Australia 4222</td>
</tr>
<tr>
<td>Cite this collection</td>
<td>Elizabeth Kendall, Naomi Sunderland (2011): Clinical and Community Practice Innovation Data Collection. Research Centre for Clinical and Community Practice Innovation, Griffith University. <a href="http://dx.doi.org/10.4225/01/4F8E14EA3179E">http://dx.doi.org/10.4225/01/4F8E14EA3179E</a>.</td>
</tr>
</tbody>
</table>

Research is **global** and data management requires **global solutions and players**
Simplified Overview of the Data Ecosystem so far

**Discovery Environment**
- Library Discovery Tools
- Research Data Australia
- Other Discovery Tools e.g. Trove & discipline specific such as RePeC

**Research Hub**
- ANDS Persistent ID Generator
- NLA/Trove Persistent ID Generator
- Retrieve Persistent ID for each data import
- Upload Research Metadata & return person/project metadata for upload of new collections in repositories
- Upload Person/Research Project Metadata
- Data Cite DOI Generator
- HR & Research Administration Databases
- Disciplines Specific Data Repositories
- Publications Repository
- Research Data Repository
- Research Collection Self Deposit Tool
Institutional Repository

Research Data Storage Service

Welcome to the Research Data Storage Service (RDSS).

The RDSS provides a secure home for your data.

Data that you share publicly can be cited by others, and will be discoverable through the Griffith Research Hub, Google and other services that expose your research to new audiences and potential collaborators.

As a Griffith University staff researcher, you can use this system to upload research data collections, and cross-link them with your publications, funded projects and people. You can make your research collections openly accessible or restrict access to users that you specify.

Getting Started

If you are a Griffith Researcher, after logging in to the RDSS you can:

- Create new collections
- Manage existing collections
- Update your account settings

Sign In:

- Sign In Using Griffith ID
- Admin Login
Driving cultural change

Aggressively go after funding opportunities.

Your STAFF are everything.

Roadmaps. Have a plan for where you are going.

Facilitate a culture of innovation within your team and let it seep out to other teams.

Spend time building partnerships – internal and external.

Educate others. Get them on board.

Never GIVE up.
Questions???

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