NCRIS PROJECT REPORT 3

REPORTING PERIOD: 1 JANUARY 2016 TO 30 JUNE 2016
SUBMITTED: 30 SEPTEMBER 2016
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Overview

The purpose of ANDS is to make research data more valuable for research, research institutions and the nation. In our Business Plan, we describe how we are doing this through institutional partnerships, through facility partnerships, providing national services, developing collections of significance, enhancing the policy environment, through enhancing the capacity of the sector to manage data, through connecting the components of the research data system, and through international partnerships. This comprehensive set of activities is enhancing Australia’s capacity to conduct data intensive research with partners of choice.

There are a number of highlights for the reporting period. In particular, having over 1000 participants take part in our 23 Things program is leading to a substantial lift in capacity of our sector to better manage data. These participants, overwhelmingly librarians, mean that Australia has world leading capacity to manage data, and the level of participation reflects the strong desire of the sector to embrace this opportunity. This engagement is also reflected in institutions’ desire to enhance their data assets through our high value collections activity, and the resulting greater sense of partnership.

Another highlight for the period has been the commencement of the national ORCID service, run by AAF, and initiated by ANDS. This establishes a crucial piece of data connectivity – reliable access to information about the creators of research outputs.

Improved data and eResearch connectivity has also been a focus. This includes improved connectivity of other NCRIS facility data. There has been work on greater integration of activity with RDS and Nectar. This responds to the eResearch Framework approach. It also addresses the drive by the United States for greater translational value for health data, and greater industry and wider engagement through data sharing in the European Open Science Cloud; international engagement continues to be crucial to data partnerships.

Highlights & Issues

National Engagements

Work concluded on the one remaining eResearch Infrastructure Connectivity (eRIC) project that ANDS provided an extension to (and therefore was not completed in the last reporting period): eRIC09, Urban Health Data Connectivity. After a long period in which development had to be paused due to difficulties in accessing the required data, the project has completed and is being used very successfully, with a steady flow of new users signing up to access the National Health Services Directory data.

One component of the National Engagements activity for the 2015-16 Revised Business Plan is Research Data Services. This was described as maintaining activity that promotes data services (while not investing in the creation of new services) that is better done close to research teams and communities. This component has continued to be problematic, largely because of the challenges in engaging with NCRIS capabilities with relatively low amounts of
money, and because of the restriction on the creation of new services. The decision made late in 2015 to align this component with the collections being created through the High Value Collections program, and to seek services that complemented these collections and also were seen to be of value to the relevant NCRIS communities, was only partially successful. As a result, some of the funding that was intended for expenditure under this program was re-allocated. However, much of the preparatory scoping work undertaken under the Research Data Services umbrella is proving very valuable in identifying possible projects in 2016-17 in the “High Value Collections meets NCRIS” program of activity.

ANDS continued data publication support arrangements, including refining feeds of data for data intensive NCRIS facilities, including IMOS, TERN, BPA, ALA, APPN, APN, AuScope, AURIN, PHRN, NIF and MMRF, NCI, priority Commonwealth data collectors and aggregators, GA, BOM, ABS, AAD, CSIRO, Department of the Environment, and AIHW. In addition, data feeds and DOI minting have now been established in partnership with the Australian Data Archive. An early opportunity identified in the previous report with the Australian National Audit office has led to a positive engagement with data feeds established and continuing discussions around DOIs and the use/reuse of the work that ANDS has invested in Research Vocabularies Australia.

An active engagement with the Public Data Branch within the Department of Prime Minister and Cabinet has continued to develop positively over the last reporting period. In particular, ANDS is engaging with the branch to help evolve and bolster data.gov.au through the leveraging of existing ANDS knowledge, resources and skills, with a particular focus on how the work of ANDS might be able to contribute to or link with the Australian Public Service (APS) Data Skills and Capability Framework. In addition, ANDS staff have proactively participated in the Government Open Data Community Forum as part of building linkages with public sector data that would be useful for the Australian Research Community.

National Services

This period was atypical in terms of ANDS skills and training program in that the normal program of activities was undertaken as usual, alongside the new 23 (research data) Things program. This innovative, community-led, ANDS-facilitated program combines self-learning, online discussions, community groups, and workshops. It has proven extremely successful in terms of reach, impact and engagement.

A final report will be provided at the conclusion of the program in November 2016

Highlights of collaborative seminars, webinars, presentations, and training sessions.

The normal range of activities were run to support NCRIS outcomes for increased capability building across the sector. 67 activities drew 5,357 registrations. Highlights include:

- NHMRC: Human Research Ethics Applications
- Health Informatics Society of Australia: Sharing Health-y data: challenges and solutions
- CSIRO: Computational and Simulation Science Conference Workshop: Picking the "I"s out of data
- Cooperative Research Centres: ANDS Services: connecting research data for business and CRCs
- ORCID, AAF and CAUL: ORCID presentations, discussions and workshops
- Australian Research Managers Society: Research Data Information Integration Webinar Series
- NeCTAR, QCIF, Intersect, VICNode, eRSA and Pawsey: monthly Tech Talks

Over the reporting period, ANDS produced 14 reports/submissions/MOUs. Highlights include:

- A MoU and associated work program with NHMRC, which took effect in April. It commits to jointly “(a) Explore opportunities to enhance the sharing and reuse of research data in response to the National Innovation and Science Agenda (NISA)... and (b) Investigate opportunities to improve the management, sharing and reuse of research data....”
- Submission to the Productivity Commission Draft Report on Intellectual Property Arrangements. The ANDS submission sought to extend the (PC's) concept of “research outputs” beyond publications to also include data, techniques, algorithms and software, thus bringing Australia into line with the major overseas funders and policy makers.
- Submission to the Australian Medical Research and Innovation Five Year Strategy (MRFF) which stressed the importance and opportunities associated with ensuring that medical research is supported by data strategies, data policy, and data infrastructure and services.
- Submission to the ARC’s Research Engagement and Impact Assessment Consultation which argued that research data is a significant engagement and impact pathway for collaboration between research and industry—it fosters deep engagement, builds trust, and provides timely information flow. Research data can be a practical element of an engagement and impact framework for research.
- Submission to the Productivity Commission’s: Issues Paper on Data Availability and Use makes the case for recognising the Research Sector as a major provider of data, along with (the other major providers), the Public and Private sectors. The submission also underlines the importance of increasing availability of public sector data to the research sector.

Research Data Australia

As at end of the reporting period, 100 RDA contributors fed collections to RDA along with 46 individual collections. From these contributors, 184 data source feeds were set up (122 automated (116 OAI-PMH, 3 CSW, 3 CKAN), 62 manual feeds).

A total of 126,427 collections from these contributors were made available in RDA, of which 12,871 datasets are explicitly publicly accessible online.

For this period, RDA recorded 140,103 unique page views from 118,727 visitors. Top five visitor countries are Australia 74%, United States 5%, United Kingdom 3.4%, India 2.4%, and Germany 1.2%.
There were a number of optimisations in RDA for this reporting period to allow users to easily find the information they are looking for (fuzzy search, identifiers, map display, and related data and other entities). “Under the hood” maintenance and enhancement was scoped and planned for the registry import backbone during this period and will be implemented in next reporting period.

**ANDS DOI (Cite My Data) service**

This period saw a tremendous increase in the number of persistent identifiers for data minted through the ANDS DOI service. This increase was a result of PARADISEC’s allocating 120,000 DOIs to their existing catalogue. A further 31,000 DOIs were minted by 38 other organisations. In total, 47 organisations have signed up for the ANDS Cite My Data (DOI) service; eight are still in testing phase. System optimisations and infrastructure maintenance continue for this service.

**Research Vocabularies Australia**

The Research Vocabularies service promotes the use of standard scientific concepts in research data. During the reporting period, the portal housed 46 standard vocabularies many of which are available through embeddable widgets and thus can easily be re-used in research systems.

The RVA editor also recorded 62 vocabulary projects created by nine organisations who have subscribed to the RVA service. Thirty users from these organisations have access to the RVA editor. The system received a user interface upgrade during this period.

**ANDS Handle (Identify My Data) service**

13 organisations signed up for the Identify My Data (Handle) service, and 24,436 handles have been minted by these organisations.

**Institutional Engagement**

In collaboration with other ANDS programs, Institutional Engagement continue to provide a range of support and expertise to our 39 collaborating institution. In addition, ANDS provided expertise into the various ANDS funded programs.

**High Value Collections**

During this reporting period engagement in this program progressed with 25 institutions. By 30th June 2016, one MOU with Monash University, and fourteen Contracts had been executed with the following institutions: Swinburne University, Flinders University, University of Adelaide, University of South Australia, University of Technology Sydney, University of Wollongong, Western Sydney University, University of Tasmania, James Cook University, Griffith University, University of Queensland, University of Western Australia, and Curtin University.

Although delayed and not contracted by the end of June, contracts were in the process of being finalised or awaiting signatures with the following institutions: La Trobe University, University of Melbourne, Deakin University, RMIT, University of Newcastle, University of New South Wales, University of Sydney, Australian National University, CSIRO, and QUT.
In most cases, delays were due to internal institutional discussions to determine their collection for this program. In some cases, more than one collection was selected. For example, the University of New South Wales will generate four collections across different discipline areas. La Trobe University undertook a similar approach, and have dispersed funds across two discipline areas.

A highlight has been the uptake of ANDS expertise into the various projects as well as the subsequent collaborations that have occurred with the institutions in developing these collections. Collaborations include SA Water, IMOS, SLNSW, the Australian Data Archive, Prince of Wales hospital, AURIN, Hunter Medical Research Institute, data.gov.au, and ANFF.

Collections are emerging in seven similar domain clusters, Agriculture, Urban Planning, Social Sciences, Health and Medical, Imaging, Marine, and Geochemical/Geological. ANDS will facilitate bringing some of these projects and collections together in 2016-2017.

The High Value Collections program is the major focus of our expenditure activity and will run until June 2017.

**Collection Enhancement Partnerships**

Through this funded program, the engagement with fourteen less research-intensive universities took place. The aim of the program will be to enhance an existing collection of research data at the institution. Effort will be supported through funding but also through in-kind expertise offered by ANDS. Of the fourteen universities the following thirteen will participate in the program; Bond University, Central Queensland University, Charles Darwin University, Charles Sturt University, Edith Cowan University, Murdoch University, Southern Cross University, University of Canberra, University of Southern Queensland, Federation University, University of Sunshine Coast, University of New England, and Victoria University.

**NodeConnect projects**

To ensure that institutions have the best picture of their data assets, ANDS negotiated projects with a number of the RDS-funded nodes. In this period, the projects with eRSA and VicNode commenced. Both nodes engaged with the research institutions in their state, discussing and agreeing a flow of information from the nodes to the institutions that would provide value to the institution and be able to tie into their system. ANDS was actively involved in these projects. NCI preferred to not use the ANDS funding to work on their communication with their partners but to continue to build on this as their regular planned activities.

**Institutional Research Data Capability**

ANDS aimed to engage with other research institutions in the CRC and MRI area. In March, ANDS organised a workshop at the annual CRC conference in March in Brisbane, which led to conversations with a number of CRCs and discussions around the role of research data as an asset and the custody of that data beyond the lifetime of the CRC. An offer for engagement was sent out through the CRC association to ensure all CRCs were aware of the offer of ANDS to engage with them on their research data. This led to an initial meeting on with SheepCRC on their data collections and the future of these collections beyond the lifetime of the CRC.
ANDS also contacted all Medical Research Institutes on how ANDS might be able to engage with them on their research data and raised the opportunity at the NHMRC Health Translation Advisory committee. These connections led to initial conversations with SAHMRI, CMRI, MGHA, and the George Institute on research data and the opportunities for making use of their data assets.

**Institutional Research Data Infrastructure**

In this period, ANDS has facilitated the exchange between all Australian institutions on systems that are in use to capture information about research data and connections between these systems. This resulted in a list of what systems are in use at institutions around the country that can be shared with the community. In this period also, the first two in a series of webinars were organised in which institutions presented on data management planning tools and systems supporting ethical management of data. These were well attended with respectively 150 and 146 participants.

**International Collaboration**

The main vehicle for International Collaboration continued to be the processes and opportunities provided by the Research Data-Alliance (RD-A), although a number of other activities continued in parallel. The RD-A is continuing to go from strength to strength, as is evident in this infographic:

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Australian representation on the RD-A continued to be through:
- Dr Ross Wilkinson (ANDS) as one of the members of Council.
- Dr Andrew Treloar (ANDS) as one of the co-chairs of the Technical Advisory Board.

In addition, as part of the Australian commitment to the operation of RD-A, Dr Stefanie Kethers (ANDS) was appointed as the foundation Director of Operations. In this role, she is responsible for ensuring the smooth and efficient operation of activities of RD-A, with a particular attention to governance and process.

Specific international activity took place through the Research Data Registry Interoperability Working Group and the Data Publishing Services Working Group (both led by staff from ANDS), the THOR project (a successor to the ODIN project, funded by the EU, in which ANDS was an active participant), and the DataCite organisation (of which ANDS is a founding member).
Governance Arrangements & Activity

The governance and management arrangements for ANDS are described in the contract for the NCRIS project, as well as in a separate Collaboration Agreement. These arrangements have been deliberately designed to ensure that the governance is as open as possible, consistent with the acceptance and management of risk by the lead agency.

Monash University entered into an agreement with the Department of Education and Training to implement the Projects, and be accountable to the Department for execution and performance of all Projects. Monash University has established a Collaboration Agreement with the ANU and CSIRO as partners in the projects.

Monash University hosts and operates one of the ANDS offices, which is used to manage the Project. ANU hosts the other office that hosts both ANU and CSIRO staff.

Monash University appointed the independent Chair of the ANDS Steering Committee after consultation with the Department and the ANDS partners and formally includes the independent Chair in the performance management arrangements of the Executive Director of ANDS, Dr Ross Wilkinson.

As at June 2016 the current ANDS Steering Committee Members are:

- Independent Chair: Dr Ron Sandland
- Ms Cathrine Harboe-Ree (Monash University)
- Mr Brendan Dalton (CSIRO)
- Ms Roxanne Missingham (The Australian National University)
- Professor Mark Ragan (University of Queensland)
- Mr Paul Sherlock (University of South Australia)
- Dr Siu Ming Tam (Australian Bureau of Statistics)
- Professor Clive Baldock (Australian Research Council)
- Professor Craig Johnson (University of Tasmania)
- Executive Director (ex-officio): Dr Ross Wilkinson (Australian National Data Service)

Two meetings were held in the period on the 26th February and the 29th April.

In the period the Steering Committee focused on the following areas of activity:

- Held various discussions, with Dr Rhys Francis and others, about the eResearch framework and related issues
- Considered the National Innovation and Science Agenda by the federal government. Discussions were held around possible implications for ANDS as well as developing an agreed view on what a Future Research Data System should look like.
- Various meetings were held with ANDS partners and key stakeholders—including Universities Australia, Monash University, ANU, CSIRO, University of Queensland, University of Melbourne, RDS and Nectar—about the framework and the future, understanding the opportunities and challenges ahead and the establishment of an Australian research data system.
Management Arrangements & Activity

ANDS is currently managed by full time executive staff comprising an Executive Director (located at Monash), and three Directors (a Monash University Director, a ANU Director and a CSIRO Director) as currently agreed under the Collaboration Agreement, as well as Program Managers and an Operations & Business Manager.

Directors and Managers report to the Executive Director with regard to ANDS activities and to a nominated person in the host institution for administrative purposes (the Supervisor).

Directors and Managers normally have a high degree of autonomy within their areas of responsibility but work under the leadership of the Executive Director.

Along with business, as usual matters such as human resources, financials and discussions of specific issues and opportunities, the focus of activity for the period was on;

- Planning for the 2106-17 financial year
- Developing our business plan
- Operationalising our business plan

Some of the specific areas of focus in this period also included;

- Partner Satisfaction survey
- Relationship with NCRIS partners
- Agility Fund proposal
- Change in operational aspects of ANDS
- All ANDS Day themes and desired outcomes
- Engagement with MRI’s and CRC’s
- Communications Vision
- Agreed messaging and approach around ANDS future and our change management approach.
- Review of internal meetings
- Business Planning
- Data Connections Strategy
- Internal and External messaging and refined top level messages
- Business Intelligence reporting and activity outcomes

Planning Activity

In the period, there were two formal planning sessions. On the 28th January ANDS explored capacity requirements for the 2016-17 financial year as well as commenced the Business Planning process. Our second planning meeting in the period was on the 4th April. This was post the announcement of the NCRIS funding allocations.
Operational Improvements

- Implemented new financial reporting templates
- Review of internal systems
- Development of internal training packages
- Information Management Working Group established; the group will address the issue of how ANDS internally manages its information.
- Refining of internal contract management processes to enable greater efficiency.

Risk Management Arrangements

ANDS maintains a Risk Management Register. The risk assessment methodology is adapted from the Australian Risk Management Standard AS/NZS ISO 31000:2009. It involves identifying and analysing each risk in terms of how likely it is to happen (Likelihood) and the possible impacts (Consequences).

The Risk Management Register is reviewed every six months by the Operations & Business Manager and Executive Director. Following the review, a report is drafted and provided to the ANDS Steering Committee for comment and acceptance. The report provides an overview of the current risks and highlights any changes. This process is consultative with the ANDS Steering Committee providing advice and recommendations as necessary.

Infrastructure usage

- 67 events drew 5,357 registrations in the standard ANDS outreach and training program
- A new self-paced community support program (23 Things for Research Data) was launched in this period with even broader community reach. Full numbers to be reported in December but the impact of this program has already been significant.
- 77 institutions publish data collection descriptions through ANDS Research Data Australia. There are over 120,000 collections discoverable in Research Data Australia. From these 77 organisations, there are 184 separate information feeds with 122 automated (116 OAI-PMH, 3 CSW, 3 CKAN) and 62 manual feeds.
- For the month of January to June 2016, there were a total of 17,331 searches in Research Data Australia. YTD unique searches in Research Data Australia total 33,391.
- About 140,000 page views were recorded for this reporting period (from Google Analytics tool). YTD page views is 271,000.
- There were a total of 65,023 visitors recorded for this period. YTD aggregated unique visitors recorded is 118,727.
- A total of 175,664 persistent identifiers have been minted by ANDS (24,436 handles, 151,228 DOIs). 39 research organisations use the DOI service and 13 use the Handle. The total number of DOIs increased more than 700% since last year.
One year after the launch of Research Vocabularies Australia, there was a total of 46 standard research data vocabularies available on the RVA portal. 15 of these vocabularies are available for use in resource description or discovery system using the ANDS vocabulary widget.
Communications and Marketing

Planning

ANDS continues to work to an agreed communications plan across its various channels. As well as routine cyclical communications outputs, ANDS has been proactively promoting the value of Australian research data through honing its external messaging and launching the Data Impact campaign (see below).

Activities

Refining ANDS messaging

ANDS has been refining its external messaging about the organisation’s aims and activities, to ensure these are communicated as clearly and concisely as possible. This exercise was finalised in June.

Wording about the purpose of ANDS remains the same, communicating ANDS’ core mission:

*The Australian National Data Service (ANDS) makes Australia’s research data assets more valuable for researchers, research institutions and the nation.*

However, three key activity areas have now been added as a subset of this overarching message, to better explain the key areas of ANDS’ work:

**Trusted partnerships:** working with partners and communities on research data projects and collaborations

**Reliable services:** delivering national services to support data discovery, connection, publishing, sharing, use and reuse

**Enhanced capability:** building the data skills and capacity of Australia’s research system.

A graphic has subsequently been designed to communicate these work areas, which is being used on the ANDS website and other relevant external communications.
Share newsletter

Two editions of Share were published in this period:

- Issue 24 (Feb 2016) - The people behind the data
- Issue 25 (May 2016) - Research data supporting business and innovation

andsUP e-newsletter

Across this reporting period ANDS published 12 editions of its fortnightly eNewsletter, andsUP. Overall, there was a 25.7% increase in subscribers over the period.

The andsUP mailing list was cleaned up in June 2016 to remove around 300 long-term inactive email addresses, which led to a short-term drop in subscribers between June and July 2016.
Twitter

Across the period ANDS gained 344 new followers (net), representing a 20.4% increase.

![Twitter followers, Jan 2016 - Jun 2016](image)

YouTube

The ANDS YouTube channel (@andsdata) received 9303 total views for the reporting period.

![YouTube views, by month](image)

Website

ANDS’ new website was launched on 23 February 2016, resulting in a much-improved site and an immediate increase in both site visits and time spent on the site by users. Some of the additional traffic was also driven by the popular 23 (research data) Things learning program, launched in the same month to take advantage of the new website.
Data impact campaign

ANDS launched a ‘Data Impact’ campaign in March 2016, to highlight the real-life impact of good quality research data. This includes finding and publishing interesting stories about data-intensive Australian research projects.

As well as using the campaign to promote the value of Australian research data and good data management, it also provides ANDS with an opportunity to build a deeper catalogue of concise, accessible research data stories.

Outcomes

The clarity of ANDS’ external communications and branding has continued to improve with the work undertaken to hone the message about what we do.

Recent editions of Share newsletter have received positive feedback from the ANDS’ Board and others in the research data community.

Other communications channels such as Twitter, andsUP and the website continue to grow their presence, and are being used effectively to cross-promote the work of ANDS and partners.

The Data Impact campaign is a useful vehicle for promoting positive stories about Australian research data and communicating with new sections of the data community.
## Summary Financial Information

### Year 2016-1

Jan 2016 - Jul 2016

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<td><strong>Closing Cash Balance</strong></td>
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### Expenditure

#### National Engagements

- Management and Governance Costs: 57,198
- Salaries and On-Costs for technical staff: 267,004
- Infrastructure Maintenance: 29,544
- Total Administration: 12,829
  - Utilities: 2,566
  - Rent: 8,467
  - Consumables: 1,796
- International Collaboration
  - Training: 1,050
  - Travel: 5,236
- Research Engagement
- International Engagement
- Industry Engagement
- Public Outreach
- Promotion
- Others: 113,295

#### National Services

- Management and Governance Costs: 75,943
- Salaries and On-Costs for technical staff: 30,853
- Infrastructure Maintenance: 41,380
- Total Administration: 49,883
  - Utilities: 9,977
  - Rent: 32,923
  - Consumables: 6,984
- International Collaboration
  - Training: 77
  - Travel: 6,115
- Research Engagement
- International Engagement
- Industry Engagement
### Public Outreach
- Promotion
- Others 64,232

### Institutional Engagement
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### International Collaboration
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### Total ANDS Expenditure
- 2,902,137

**Table 1: ANDS Expenditure 1 January 2016 to 30 June 2016**
## Appendices

### Appendix 1 – Financial Report for Reporting Period

#### Australian National Data Service Project - NCRIS 2013 and NCRIS 2016 Funding

Statement of Income and Expenditure for the Period from 1 July 2015 to 30 June 2016

<table>
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<td>9,196,000</td>
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<tr>
<td>Interest</td>
<td>205,856</td>
</tr>
<tr>
<td>Income-External Recoupment</td>
<td>9,000</td>
</tr>
<tr>
<td><strong>Total Income (a)</strong></td>
<td><strong>9,410,866</strong></td>
</tr>
<tr>
<td>Expenses</td>
<td></td>
</tr>
<tr>
<td>Salaries</td>
<td>2,130,089</td>
</tr>
<tr>
<td>Non-Salary</td>
<td>8,238,831</td>
</tr>
<tr>
<td><strong>Total Expenses (b)</strong></td>
<td><strong>8,368,950</strong></td>
</tr>
<tr>
<td>Surplus/(Deficit) for the reporting period (a - b)</td>
<td>1,041,916</td>
</tr>
<tr>
<td>Brought forward surplus/(deficit) from 30 June 2015 (c)</td>
<td>5,060,854</td>
</tr>
<tr>
<td>Balance Carried Forward to next Reporting Period (a - b) + (c)</td>
<td>6,102,760</td>
</tr>
</tbody>
</table>

We, Ian Smith and Joel Chibert, hereby confirm the following:

(i) The detailed statement of income and expenditure for the ANDS Project (shown above) represents a correct view of the financial performance for the period ended 30 June 2016.

(ii) The Funding was expended for the Project and was used in accordance with the agreement with the Department of Education and Training.

**PROFESSOR IAN SMITH**  
Vice Provost (Research & Research infrastructure)  
Office of the Deputy Vice-Chancellor (Research) and  
Office of Vice-Provost (Research & Research Infrastructure), Monash University

**MR JOEL CHIBERT**  
Director of Research & Revenue Accounting Services,  
Research & Revenue Accounting Services, Monash University
### Australian National Data Service Project - NCRIS 2013 and NCRIS 2015 Funding

Statement of Income and Expenditure for the Period from 1 July 2015 to 30 June 2016

<table>
<thead>
<tr>
<th>Item</th>
<th>2015 - 2016</th>
<th>Appendix</th>
</tr>
</thead>
<tbody>
<tr>
<td>Income</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grant</td>
<td>9,196,000</td>
<td>A</td>
</tr>
<tr>
<td>Interest</td>
<td>205,326</td>
<td>A</td>
</tr>
<tr>
<td>Income-External Recoupment</td>
<td>9,000</td>
<td>A</td>
</tr>
<tr>
<td>Total Income (a)</td>
<td>9,410,326</td>
<td></td>
</tr>
<tr>
<td>Expenses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Salaries</td>
<td>2,130,099</td>
<td>B</td>
</tr>
<tr>
<td>Non-Salary</td>
<td>6,238,831</td>
<td>B</td>
</tr>
<tr>
<td>Total Expenses (b)</td>
<td>8,368,930</td>
<td></td>
</tr>
<tr>
<td>Surplus/(Deficit) for the reporting period (a - b)</td>
<td>1,041,396</td>
<td>C</td>
</tr>
<tr>
<td>Brought forward surplus/(deficit) from 30 June 2015 (c)</td>
<td>5,060,854</td>
<td></td>
</tr>
<tr>
<td>Balance Carried Forward to next Reporting Period (a - b) * (c)</td>
<td>6,102,708</td>
<td></td>
</tr>
</tbody>
</table>

We, Ian Smith and Joel Chibert, hereby confirm the following:

(i) The detailed statement of income and expenditure for the ANDS Project (shown above) represents a correct view of the financial performance for the period ended 30 June 2016.

(ii) The Funding was expended for the Project and was used in accordance with the agreement with the Department of Education and Training.

PROFESSOR IAN SMITH  
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Office of the Deputy Vice-Chancellor (Research) and  
Office of Vice-Provost (Research & Research Infrastructure), Monash University

MR JOEL CHIBERT  
Director of Research & Revenue Accounting Services  
Research & Revenue Accounting Services, Monash University
## Appendix A

Statement of Income for the Period from 1 July 2015 to 30 June 2016

As per SAP extract attached to Appendix A, the breakdown of income is as follows:

<table>
<thead>
<tr>
<th>Grant Income</th>
<th>Actual $</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000/GNR</td>
<td>9,190,000</td>
</tr>
<tr>
<td>Total Grant Income</td>
<td>9,196,000</td>
</tr>
<tr>
<td>Less 2014 Adjustments</td>
<td></td>
</tr>
<tr>
<td>Adjusted Grant Total</td>
<td>9,196,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Interest Income</th>
<th>Actual $</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000/541001</td>
<td>205,826</td>
</tr>
<tr>
<td>Total Interest Income</td>
<td>205,826</td>
</tr>
<tr>
<td>Less 2014 Adjustments</td>
<td></td>
</tr>
<tr>
<td>Adjusted Interest Total</td>
<td>205,826</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Income - External Recoupment</th>
<th>Actual $</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000/562001</td>
<td>9,000</td>
</tr>
<tr>
<td>Total Income External Recoupment</td>
<td>9,000</td>
</tr>
</tbody>
</table>

**Notes**
Appendix B
Schedule of Expenditure for the Period from 1 July 2015 to 30 June 2016

As per SAP extracts attached to Appendix B, this breakdown of operating expenditure is as follows:

<table>
<thead>
<tr>
<th>Salary Expenditure</th>
<th>Note</th>
<th>Actual $</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000/SALS</td>
<td>*** 1000/SAL</td>
<td>Salaries Expenditure</td>
</tr>
<tr>
<td>Total Salary Expenditure</td>
<td></td>
<td>2,130,089</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Operating Expenditure Item</th>
<th>Actual $</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000/TRV</td>
<td>320,047</td>
</tr>
<tr>
<td>1000/SPRE</td>
<td>13,086</td>
</tr>
<tr>
<td>1000/PAAS</td>
<td>11,161</td>
</tr>
<tr>
<td>1000/GEIX</td>
<td>37,994</td>
</tr>
<tr>
<td>1000/MVE</td>
<td>964</td>
</tr>
<tr>
<td>1000/LAB</td>
<td>169</td>
</tr>
<tr>
<td>1000/GPMT</td>
<td>5,638,566</td>
</tr>
<tr>
<td>1000/ITTE</td>
<td>7,129</td>
</tr>
<tr>
<td>1000/FINADM</td>
<td>153,286</td>
</tr>
<tr>
<td>1000/EQU</td>
<td>9,094</td>
</tr>
<tr>
<td>1000/CRE</td>
<td>10,908</td>
</tr>
<tr>
<td>1000/BSK</td>
<td>86</td>
</tr>
<tr>
<td>1000/BPR</td>
<td>29,740</td>
</tr>
<tr>
<td>1000/CAPEX</td>
<td></td>
</tr>
<tr>
<td>Total Operating Expenditure</td>
<td>6,238,831</td>
</tr>
<tr>
<td>Less 2014 Adjustments</td>
<td></td>
</tr>
<tr>
<td>Adjusted Operating Expenditure Total</td>
<td>6,238,831</td>
</tr>
</tbody>
</table>

Notes
1. Amounts extracted from the financial system, SAP, are attached under Appendix A and labeled 'SAP NCRIS Funds Extract - July 2015 - June 2016'
Appendix C
Brought forward surplus/(deficit) from 30 June 2015 $ 5,060,883.91

This amount was taken from the previous year’s statement of income and expenditure report submitted to NISRTE.

End of Appendix C.