







Tuesday 11 October 2016: Conference Day 2 - Connecting the eResearcher

08:30	Registration and coffee <i>Twitter - @eresearch #eResAu16</i>				
	Plenary Sessions Grand Ballroom				
09:30 – 10:00	Opening address				
10:00 – 10:50	Entering the Age of Artificial Intelligence, with Dell Andrew Underwood , Dell APJ Head of HPC & Research Computing				
10:50 – 11:20	Morning Tea – Exhibition Area – Sponsored by  figshare				
11:00 – 11:15	Grand Ballroom Solutions Showcase (during morning tea) Fireballs in the Storage Stacks , Mark Gray and Sean Fleming Copy of slides				
11:20 – 11:50	Living in an Evidence Based World - Copy of slides Peter Doherty 1996 Nobel prize winner and 1997 Australian of the year				
11:50 – 12:40	Open, transparent and reproducible science is stronger science - Copy of slides Natalie Meyers , E-Research librarian in Digital Initiatives and Scholarship at the University of Notre Dame				
12:40 – 13:40	Lunch – Exhibition Area – Sponsored by  Aspera				
	Concurrent Sessions				
Rooms	Presentation Grand Ballroom 1/2	Presentation/Panel Grand Ballroom 3/4	Presentation State 3	BoF Lake	BoF State 1/2
	Standards for data and eResearch	Privacy, Ethics and Data Security	Open Source and HPC	Software Citation	eResearch outreach, training and capability development
13:40 – 14:00	Implementing a Data Quality Strategy to simplify access to data Kelsey Druken Copy of slides	Navigating data-driven medical researchers through the IT privacy/security landscape Copy of slides	Spartan: An HPC-Cloud Chimera Lev Lafayette, Daniel Tosello and Bernard Meade Copy of slides	BoF: Software Citation in Australia Xiaobin Shen, Andrew Treloar, Jens Klump and Michelle Barker	BoF: eResearch Education and Training Facilitator: Markus Buchhorn
14:05 – 14:25	Balancing user requirements for dynamic data in a repository designed for persistence Dominic Hogan	PANEL: Sensitive data: legal, ethical and secure storage issues Chair: Kate Lemay Panellists: Gabrielle Hirsch, Jeff Christiansen and Gordon McGurk Copy of slides	Connection of the scholarly work flow with the open science framework Natalie Meyers and Ian Taylor	BoF: Software Citation in Australia Cont.	BoF: eResearch Education and Training Cont.
Rooms	Presentation Grand Ballroom 1/2	Presentation Grand Ballroom 3/4	Presentation State 3	BoF Lake	BoF State 1/2
	Case Studies in eResearch	Virtual Labs	Social Media and eResearch	Data Citation	Planning eResearch
14:30– 14:50	IMOS - eResearch Services in the Cloud Peter Blain	Science Gateways, Virtual Labs and Virtual Research Environments Nancy Wilkins-Diehr and Michelle Barker Copy of slides	Sex, Accidents, Road Rage and So Much More on the Cloud Richard Sinnott	BoF: Citation of 'dynamic' data: challenges and options Adrian Burton and Gerry Ryder Copy of slides	BoF: DMPs: Aligning use to motivations and intended outcomes Kathryn Unsworth, Daniel Barr, Nick Smale, Sue Cook, Chris Erdmann and Libbie Blanchard
14:55 – 15:15	iReceptor: A Scientific Gateway for the federation and analysis of adaptive immune system genomics data Brian Corrie Copy of slides	Workspace: a fast and low cost methodology for delivering commercial applications based on Research IP Simon Harrison	Secrets of successful sustainable social media management How to increase engagement and make social media work for you – when to start, what to do, what not to do and how to measure it Elleina Filippi and Loretta Davis	BoF: Citation of 'dynamic' data: challenges and options Cont.	BoF: DMPs: Aligning use to motivations and intended outcomes Cont.
15:15 – 15:45	Afternoon Tea – Exhibition Area – Sponsored by  XENON				
15:25 – 15:35	Grand Ballroom 1&2 Solutions Showcase (during afternoon tea) The All Sky Virtual Observatory , Darren Croton				


Tuesday 11 October 2016 continued					
Rooms	Concurrent Sessions Twitter - @eresearch #eResAu16				
	Presentation Grand Ballroom 1/2	Presentation Grand Ballroom 3/4	Presentation State 3	BoF Lake	BoF State 1/2
	Facilitating Outreach and Engagement	Workflows in eResearch	Supporting eResearch at the next level	Leveraging International eResearch	Dealing with large volumes of data
15:45 – 16:05	Aligning online Research Data Management Planning tools to maximise researcher engagement Peter Neish and Jennifer Warburton Copy of slides	Reproducibility and Provenance Tracking in Genomic Workflows Farah Zaib Khan	Monash Imaging Data Project Patrick Splawa-Neyman Copy of slides	BoF: Using the Research Data Alliance to Solve Data Problems Stefanie Kethers and Andrew Treloar Copy of slides	BoF: Versioning of Data Sets: Why, How, What and Where? Lesley Wyborn, Jens Klump and Adrian Burton Copy of slides
16:10 – 16:30	21st Century scientific authoring: Facilitating Global Research and Collaboration John Hammersley Copy of slides	Metadata production and the data lifecycle – archives and producers as collaborators in metadata creation Janet McDougall Copy of slides	The Australasian Type-1 Diabetes Research Platform Loren Bruns Jr and Richard Sinnott Copy of slides	BoF: Using the Research Data Alliance to Solve Data Problems Cont.	BoF: Versioning of Data Sets: Why, How, What and Where? Cont.
16:35 – 16:55	Practical techniques to facilitate behaviour change and increase user engagement in an eResearch context Loretta Davis and Kelly Lennon	Data Citation Software Citation is Important, but doesn't help me use it! Ryan Fraser	Managing Data for the connected eResearcher Data Management Plans – Are They Working for the Australian Antarctic Program? Dave Connell Copy of slides	Connecting eResearch Internationally BoF: Adopting Outputs from the Research Data Alliance Stefanie Kethers, Lesley Wyborn and Malcolm Wolski Copy of slides	Connecting outputs to eResearchers BoF: Research Graph: Connecting Researchers, Research Data, Publications and Grants using the Graph Technology Jingbo Wang and Nathaniel Lewis
17:00 – 17:20	The American Geophysical Union Data Management Maturity Program Lesley Wyborn Copy of slides	Implementation of an Enterprise Provenance System at Geoscience Australia Laura Stanford Copy of slides	The connected researcher - new research data management systems at La Trobe University Simon Huggard, Paul Pigram, Andrew Williams and Eva Fisch	BoF: Adopting Outputs from the Research Data Alliance Cont.	BoF: Research Graph: Connecting Researchers, Research Data, Publications and Grants using the Graph Technology Cont.
17:25 – 18:55	Poster Reception – Exhibition Area				

Wednesday 12 October 2016: Conference Day 3 - Scaling the eResearcher	
08:00	Registration and coffee Twitter - @eresearch #eResAu16
	Plenary Sessions Grand Ballroom
09:00 – 09:15	Welcome
09:15 – 10:05	Liza Noonan Executive Manager, Innovation, ON Program, CSIRO
10:05 – 10:55	Biomedical discovery in warp drive: the integration of genomic data, clinical records, the internet of things and machine learning John Mattick , Director of the Garvan Institute of Medical Research
10:55 – 11:25	Morning Tea – Exhibition Area – Sponsored by DDD 



Wednesday 12 October 2016 continued

Concurrent Sessions					
Rooms	Presentation Grand Ballroom 1/2	Presentation Grand Ballroom 3/4	Panel/Presentation State 3	Presentation Lake	Industry State 1/2
	Virtual Labs	Data collections	Panel Federations' future	Partnerships and Cultural Changes	
11:25 – 11:45	Omics Data Services Platform: Supporting bacterial pathogen multi omics analysis Andrew Isaac Copy of slides	Exploiting the Long Tail of Scientific Data: Making Small Data BIG Lesley Wyborn	PANEL: Looking towards the future of Federated Identity Management Elleina Filippi and Heath Marks	Transitioning research practice from the desktop to data intensive science: challenges beyond the infrastructure Dale Peters and Johann Kistner Copy of slides	Enabling Life Sciences Research with Aspera's High-speed Data Transfer John Heaton
11:50 – 12:10	A Plant Biosecurity Virtual Laboratory Kathryn Napier	Building a Collaborative Research Data Collection Employing Automated Policy Based Management David Fellingner Copy of slides	Data Challenges Open Wide: Demonstrating Quality and Building Trust in Open Data Gavin Kennedy and Maree Adshead Copy of slides	Delivering eResearch advances to Industry: Enhancing decision making for local government authorities and natural resource management groups Hamish Holewa	Preparing for the Next Step in Genomic Analysis Phong Le Copy of slides
12:15 – 12:35	A New Taste of HuNI: Redeveloping the Humanities Networked Infrastructure Toby Burrows and Deb Verhoeven	From local to global: APO public policy data and document collections and tools Amanda Lawrence Copy of slides	Delaying the 'Peak Data Crisis' in the Era of Data-intensive Science Lesley Wyborn	Research Partnerships Glenn Moloney, Michelle Barker and Lyle Winton Copy of slides	
12:35 – 13:35	Lunch – Exhibition Area –Sponsored by SGI 				
12:40 – 12:55	Grand Ballroom 1&2 Solutions Showcase (during lunch) Machine Learning Workloads on Cray Systems , Mark Staveley - Copy of slides				
13:00 – 13:15	Grand Ballroom 1&2 Solutions Showcase (during lunch) eResearch at the Pawsey Supercomputing Centre , Neil Stringfellow and Daniel Grimwood - Copy of slides				
13:20 – 13:35	Grand Ballroom 1&2 Solutions Showcase (during morning lunch) AuScope research infrastructure - supporting Australian mineral discovery , Tim Rawling - Copy of slides				
Concurrent Sessions					
Twitter - @eresearch #eResAu16					
Rooms	Presentation Grand Ballroom 1/2	Presentation Grand Ballroom 3/4	BoF State 3	Presentation Lake	Industry State 1/2
	Partnerships and Outreach	Managing Data Case Studies	NCRIS initiatives	Accessing and Managing data	Industry
13:35 – 13:55	Access to research data: effective collaborations between academics, librarians and eResearch Kay Steel Copy of slides	The Prosecution Project: creating a new digital resource for advancing criminal justice history Mark Finnane Copy of slides	NCRIS Data Showcase Xiaobin Shen, Natasha Simons, Andrew Treloar, Siddeswara Guru, Peter Blain, Miles Nicholls, Serryn Eagleson and Lyle Winton	Implementation of a Comprehensive Enterprise Data Model for Geoscience Australia's Public Data Laura Stanford Copy of slides	The new Dell HPC System for Research Andrew Underwood
14:00 – 14:20	More than 23 (research data) Things Gerry Ryder and Keely Chapman	Embedding research data management: case studies from the University of Sydney Jennifer McLean and Justin Chang Copy of slides	NCRIS Data Showcase Cont.	Research Data Journey: Challenges and Opportunities Elizabeth Kim	(NB: this presentation runs for 2 time slots)
14:25– 14:45	A learner-centred approach to specialised user training Claire Trenham Copy of slides	Curating Research Data with Hydra and PCDM Esmé Cowles Copy of slides	BoF: An Australian Special Interest Group for Vocabularies (AVSIG) Adrian Burton, Rowan Brownlee, Laura Stanford and Jonathan Yu Copy of slides	Using the same infrastructure to tell vastly different data stories David Groenewegen and Mark Hahnel Copy of slides	BoF BoF: Department of Education - National eResearch Futures Facilitator: Rhys Francis
14:50– 15:10	Build it, and who will come, and when? Lessons learnt from developing an eResearch tool Sarah Richmond	Closing the loop: Integrated infrastructure for the whole research data lifecycle Helen Morgan Copy of slides	BoF: An Australian Special Interest Group for Vocabularies (AVSIG) Cont.	Persistent Identifier Practice for Big Data Management at NCI Jingbo Wang Copy of slides	BoF: Department of Education Cont.
15:10 – 15:40	Afternoon Tea – Exhibition Area – Sponsored by AWS 				

Wednesday 12 October 2016 continued

Rooms	BoF Grand Ballroom 1/2	BoF Grand Ballroom 3/4	BoF State 3	BoF Lake
	eResearch outreach, training and capability	Data provenance	Data collections	Moving Data
15:40 – 16:30	BoF: Management and Curation of Physical Objects in the Digital Era Jens Klump, Warick Brown, Simon Cox and Anusuriya Devaraju Copy of slides	BoF: Reproducible Research Michelle Barker, Andrew Treloar, Stewart Hay, Natalie Meyers and Lesley Wyborn	BoF: Data Movement Brett Rosolen, Peter Elford and Chris Myers	BoF: The Research Bazaar - What is Best Practice? Belinda Weaver, Amanda Miotto, Dejan Jotanovic and Stephanie Bradbury
16:35 – 17:30	Room State 1&2 - Shaping the eResearch Australasia Conference - feedback session: You are invited to shape the future direction of the eResearch Australasia conference, please join in and share your thoughts. Nick Tate and Viviani Paz, eResearch Australasia co-chairs			
19:00 - late	Conference Dinner – Sponsored by Dell EMC 			

Thursday 13 October 2016: Conference Day 4 - Scaling the eResearcher

08:30	Registration and coffee <i>Twitter - @eresearch #eResAu16</i>				
	Concurrent Sessions				
Rooms	Presentation Grand Ballroom 1/2	Presentation Grand Ballroom 3/4	Presentation State 3	Presentation Lake	Industry State 1/2
	Dealing with large volumes of data	Innovation with Computation	Methods, practices, and tools supporting eResearch	National Innovation	
09:15– 9:35	CloudStor: potential use as glue between ARDS components Guido Aben	Chimney: Connecting Researchers to Cloud, HPC and Big Data Resources Ian Thomas	Developing support services for research data management: the University of Sydney's evolving approach Jen McLean and Gene Melzack	Microbial Genomics Virtual Laboratory: Supporting bacterial pathogen multi omics analysis Simon Gladman Copy of slides	
09:40 – 10:00	MeDiCI: The University of Queensland's data storage fabric David Abramson, Daniel Richards and Justin Glen	Communication Through Data Visualisation Kayla Maloney	Web-enabled Physical Samples: Curating and Publishing Physical Samples in CSIRO Anusuriya Devaraju Copy of slides	Overcoming the Tyranny of Distance in 21st Century Research Celeste Anderson Copy of slides	
10:05 – 10:25	A High Speed Data Transfer Service at the University of Otago Gareth Wood	The Dawn of the Exascale Age: Using Integrated HPC and Connected Data Ben Evans Copy of slides	Yeah but how good is it? Assessment and endorsement of tools, services and materials Markus Buchhorn Copy of slides	Case Studies in Industry and eResearch collaboration – responding to the National Innovation Science Agenda Robert Woodcock	Power Efficient Scalable HPC Chris Clarkson Copy of slides
10:30 – 10:50	The CSIRO ASKAP Science Data Archive (CASDA) Vivek Pulukuri Copy of slides	Data Sharing Data as Social Capital – The Gift Culture in Research Jens Klump Copy of slides	How do we improve the Measure of Value in eResearch Infrastructure? Clare Richards Copy of slides	Panel Training and capability development PANEL: Hacky Hour: Can they strengthen our research community? Moderator: Amanda Miotto Panelists: Heidi Perrett, Cameron McLean and Matthias Liffers	Cray – Scaling-out Machine Learning Solutions Mark Staveley Copy of slides
10:50 – 11:20	Morning Tea – Exhibition Area – Sponsored by Spectra Logic 				
	Plenary Sessions Grand Ballroom				
11:20 – 12:10	Journalism at the Crossroads Elyas Khan , PhD candidate at the Centre for Advancing Journalism and the eResearch Group at the University of Melbourne And Margaret Simons , Director of the Centre for Advancing Journalism at the University of Melbourne				
12:10 – 13:00	Lifting out Technology Commercialisation performance Leonie Walsh , Victoria's inaugural Lead Scientist				
13:00 – 14:00	Lunch – Exhibition Area – Sponsored by Cray 				
13:10 – 13:25	Grand Ballroom Solutions Showcase (during lunch) Smoke and Fire: Air Pollution Visualisation in Australia , Xavier Ho and Martin Cope				
13:30 – 13:45	Grand Ballroom Solutions Showcase (during lunch) High Performance Data at NCI , Ben Evans and Lucy Guest				

Thursday 13 October 2016 continued

Plenary Sessions
Grand Ballroom

14:00 – 15:00

[Are there any grand challenges left for eResearch?](#)

Facilitator: Nick Tate

Panelists:

- **Ian Atkinson**, James Cook Univeristy,
- **Rhys Francis**, Director, eResearch Futures P/L,
- **Cathrine Harboe-Ree**, University Librarian, Monash University, and
- **Leonie Walsh**, Victoria's inaugural Lead Scientist

15:00 – 15:15

Closing Remarks

Dr Nick Tate and Viviani Paz, eResearch Australasia Conference Co-chairs

15:15

Afternoon Tea – Exhibition Area – Sponsored by SanDisk 