

eResearch NZ 2018


Monday 12 February

8:00	Registration Open			
10:00 - 11:10	Session: Opening Keynote			Coronet / Remarkables Chair: Nick Jones
10:00	Conference Welcome Address: Nick Jones			
10:10	Keynote: Margaret Hyland - The New Zealand Research, Science and Innovation System – Opportunities and Challenges			
11:10 - 11:30	Morning Tea			
11:30 - 12:30	Session: Keynote			Coronet / Remarkables Chair: Jonah Duckles
11:30	Keynote: Karthik Ram - Empowering the next generation of reproducible open science			
12:30 - 13:30	Lunch			
13:30 - 15:05	Breakout Sessions 1 Session: Strategic <i>Coronet</i>	Session: Technical <i>Clancy's</i>	Session: Innovation - Chair: Mike Ladd <i>Remarkables</i>	Session: Early Career / Prof Development <i>Wakatipu</i>
13:30	Workshop: Nick Jones and Mark Dietrich - What does our advanced computing ecosystem look like? Part 1 (56)	Workshop: Ian Foster and Rick Wagner - Building Data Portals and Science Gateways with Globus PaaS (61)	Finlay Thompson - Using modern data science practice to manage software complexity in bioinformatics (18)	
13:50			Bruno Lago - Research innovation with Object Storage (7)	
14:20			Rob Elshire - Innovation through Sharing – Expanding Opportunity (26)	
14:40				
15:00 - 15:30	Afternoon Tea			
15:30 - 17:30	Breakout Sessions 2 Session: Strategic Chair Robin Bensley <i>Coronet</i>	Session: Technical <i>Clancy's</i>	Session: Innovation Chair: Max Wilkinson <i>Remarkables</i>	Session: Early Career / Prof Development Chair: Prashant Gupta <i>Wakatipu</i>
15:30	Michael Uddstrom - New Zealand's National HPC Service: Turning Promises into Reality (63)	Workshop: Ian Foster and Rick Wagner - Building Data Portals and Science Gateways with Globus PaaS (61) (continued)	Steven Vandervalk - Quantifying informal contributions to publications by designing and distributing a "collaborative" DOI (45)	Patrick Rynhart - Democratizing eResearch support at Massey University (57)
15:50			Brian Flaherty - Exposure and Discovery: surfacing NZ research and researchers (52)	Cam McLean - Research Hub: Design and realisation of better connected research IT support services. (42)
16:10	Nicole Ferguson - REANZ Strategic Update (6)		Anne Harvey - Using global research activity for informed, data-driven research administration (28)	Katie Wilson - Collaborating to provide eResearch support for Early Career Researchers (11)
16:30			Lightning Talk - Laura Armstrong - 'RAiDers of The Lost Ark' - a 12 month journey exploring persistent identifiers for research activities (49)	Shiobhan Smith - Let's start at the very beginning, a very good place to start (13)
			Jose Higino - Blockchain vision into Research (what can we expect) (29)	
16:50	Andrew Rohl - ADACS – a model for delivering data services, computing Infrastructure and expert training (31)			
17:10				
17:30 - 18:30	Break			
18:30 - 19:30	Welcome to Conference <i>Reds, Level 6, Rydges Lakeland Resort</i>			

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Tuesday 13 February

8:15	Registration Open			
8:30 - 10:30	Session: Plenary/Keynote			Coronet/Remarkables Chair: Mik Black
8:30	Keynote: Christine Kirkpatrick - How Data Science & Big Data are Reshaping Research Computing			
9:30	Keynote: Kim Handley - Computational strategies and challenges in meta-omics research, and the role of Genomics Aotearoa			
10:30-11:00	Morning Tea			
11:00-12:20	Breakout Sessions 3			
	Session: Strategic Chair: Alex Pluetzer <i>Coronet</i>	Session: Technical data Chair: Brian Flaherty <i>Clancy's</i>	Session: Innovation Chair: Chris Scott <i>Remarkables</i>	Session: Early Career / Prof Development Chair: Georgina Rae <i>Wakatipu</i>
11:00	Brendon Bradley - HPC utilization in end-to-end earthquake resilience research: QuakeCoRE as an example of the importance of science and software engineering collaboration (25)	Ian Foster - The Modern Research Data Portal: A design pattern for networked, data-intensive science (44)	Sat Mandri - Federated Identity Management for Research (FIM4R) - a catalyst for digital transformation (2)	Murray Cadzow - Reproducible research: A year of digital literacy training at the University of Otago (15)
11:20	Richard De Rozario - Harnessing the wisdom of crowds (36)	Adele Haythornthwaite - Being a research data 'shepherd': how University of Sydney brought Dropbox users into the fold (34)	Stuart Impey - The Evolution of Product Development (8)	Lin Lin - Connective tissue: Librarians role in e-research support (1)
11:40		David Fellingner - Coping with "Big Data" in Research Computing (3)	Mike Ladd and Jose Higinio - Kupe, Māui and Mahuika (67)	Fabiana Kubke - Reflecting on NeSI's Training Efforts (60)
12:00		Patrick Splawa-Neyman - State of Open Data (58)		Jonah Duckles - Software Carpentry: Self Assessments by Workshop Attendees of Changes in Confidence and Motivation (21)
12:20 - 13:30	Lunch			
13:30 - 15:10	Breakout Sessions 4			
	Session: Strategic Chair: Sat Mandri <i>Coronet</i>	Session: Technical Chair: John Bancroft <i>Clancy's</i>	Session: Innovation Chair: Cam McLean <i>Remarkables</i>	Session: Early Career / Prof Development <i>Wakatipu</i>
13:30	Steve Cotter - An introduction to the newest Regional Research Institute: the Centre for Space Science Technology (27)	Stuart Impey - Hawaiiki - connecting New Zealand's R&E sector to the world via a second Trans-Pacific cable (5)	Gillian Elliot - Data Management Planning Tool: Design, implementation and end goal. Pt 1 (30)	Birds of a feather: Jonah Duckles and Fabiana Kubke - Digital literacy for research: what have we achieved, and where do we want to go, together?
13:50	Cris Print - Genomics Aotearoa, new opportunities for eResearch in NZ	Prashant Gupta - CKAN - Towards an integrated data management service for research instruments (51)	Laura Armstrong - Data Management Planning Tool: Design, implementation and end goal (Pt 2) (32)	
14:10	Ian Foster - Deploying machine learning: Interactive, scalable, reproducible data science (43)	David Kelly - Acclimatising to New Zealand's newest Supercomputers (48)	Erin Skinner - How to eat an elephant: Planning and carrying out a Research Data Management Pilot Project (10)	
14:30	Rangan Sukumar - The convergence of Big Data, AI and HPC (72)	Jorge Bornemann - Heterogeneity in Observation Processing Systems (19)	Gavin Kennedy - ReDBox: Supporting the Research Data Life Cycle (39)	
14:50			Adele Haythornthwaite - Analysis of the Effectiveness of Research Data Management Plans (37)	
15:10 - 15:40	Afternoon Tea			
15:40 - 17:20	Breakout Sessions 5			
	Session: Strategic <i>Coronet</i>	Session: Technical Chair: Marcus Gustafsson <i>Clancy's</i>	Session: Innovation <i>Remarkables</i>	Session: Early Career / Prof Development <i>Wakatipu</i>
15:40	Workshop: Nick Jones and Mark Dietrich - What does our advanced computing ecosystem look like? Part 2 (56)	Felipe Ayora - Trends Observed in Cloud Computing for eResearch (54)		Workshop: Aleksandra Pawlik - Research Software Engineers in Aotearoa-New Zealand - Birds of a Feather (64)
16:00		Jason He - MLaaS: A Resource Efficient, GPU Accelerated Machine Learning Cloud Platform (50)		
16:20		Paul Coddington & Jo Morris - The Nectar Cloud: reflections and future directions (59)		
16:40		Sean Matheny - NeCTAR Research Cloud Pilot at University of Auckland (46)		
17:00		Dan Sun - Software package management via Condor (47)		
17:20				
17:20 - 18:30	Break			
18:30	Conference Dinner sponsored by CRAY <i>The Grille by Eichardt's, 9 Marine Parade, Queenstown</i>			

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Wednesday 14 February

8:30	Registration Open			
9:00 - 10:40	Breakout Sessions 6			
	Session: Strategic	Session: Technical	Session: Innovation Chair: Wolfgang Hayek	Session: Early Career / Prof Development
	<i>Coronet</i>	<i>Clancy's</i>	<i>Remarkables</i>	<i>Wakatipu</i>
9:00	Workshop: Max Wilkinson - The Emerging Ecology of Persistent IDs in New Zealand Research (17)	Workshop: Ian Foster and Rick Wagner - Simplified Research Data Management with Globus SaaS (62)	Alex Pletzer - The LFRic project: Developing software for a next generation weather and climate model (22)	Workshop: Nokome Bentley - Bridging the Reproducibility Gap: a hands on introduction to Stencila (35)
9:20			Lightning Talks - Stephanie Guichard - Altmetrics: 'big data' that map the influence of New Zealand research (33)	
			Alan Tan - LUCE - a platform for LiDAR data processing and analysis (53)	
			Jonny Williams - Earth System Modelling on the Cray XC-50 (9)	
			QuakeCoRE (TBC) - Cybershake NZ: Simulation-based Probabilistic Seismic Hazard Analysis (PSHA) for New Zealand (23)	
			QuakeCoRE (TBC) - SeisFinder: A Web Portal For Serving Ground Motion Simulation Data (24)	
			Aleksandra Pawlik - Genomics Virtual Lab in NZ (66)	
10:00			Chris Scott - Using GPUs to expand our understanding of the Solar System (16)	
10:20			Sarah Nisbett - Digitisation Workflows for Research (41)	
10:40 - 11:10	Morning Tea			
11:10 - 12:30	Breakout Sessions 7			
	Session: Strategic	Session: Technical	Session: Innovation Chair: Georgina Rae	Session: Early Career / Prof Development
	<i>Coronet</i>	<i>Clancy's</i>	<i>Remarkables</i>	<i>Wakatipu</i>
11:10	Workshop: Max Wilkinson - The Emerging Ecology of Persistent IDs in New Zealand Research (17) (continued)	Workshop: Ian Foster and Rick Wagner - Simplified Research Data Management with Globus SaaS (62) (continued)	Paul Gunn - Deploying a perfSONAR mesh for continuous network testing (12)	Workshop: Nokome Bentley - Bridging the Reproducibility Gap: a hands on introduction to Stencila (35) (continued)
11:30			Wolfgang Hayek - Getting the most out of NeSI's new HPC platforms (20)	
11:50			David Eyers - Collaborative typesetting pipelines (including discussion of why eResearch NZ's template needn't be DOCX) (38)	
12:10			Tom Crumpton - Security at REANNZ (4)	
12:30 - 13:30	Lunch & Conference End			

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