

eResearch NZ 2023

15-17 February | HAMILTON + ONLINE



Wednesday 15 February

11:00	REGISTRATION OPEN			
12:00 - 12:30	LUNCH			
	CONFERENCE OPENING Location: Dr John Gallagher Concert Chamber			
12:30	Opening			
12:50	John Creech - A discussion of some MBIE initiatives for Aotearoa New Zealand's RSI system <i>VIRTUAL PRESENTATION</i>			
13:20	MINI BREAK			
	SESSION A			
	Session A1 Location: Dr John Gallagher Concert Chamber	Session A2 Location: Te Whare Tapere Iti	Session A3 Location: Playhouse Theatre	Workshop Location: Upstairs Lounge
13:30	Max Wilkinson: Building a Coherent and Consistent National Research Data Storage Investment Model	Annie West: Utilising Aotearoa's computing capability in microbial ecology: from kākāpō to estuaries	David Fellingner: Recent Developments and Partnerships in iRODS Technology Enable Global eResearch Collaboration	Committee on Data in Research / Michelle Blake: The state of data in research within Aotearoa <i>*In Person Only</i>
13:50	Anton Angelo: Why do researchers say they'll share their data, and then don't? <i>VIRTUAL PRESENTATION</i>	Alvaro Orsi: From Reactive to Proactive: Enhancing Aotearoa's Wastewater Surveillance Programme with Data Science	Alexander Pletzer: Common workflows patterns in scientific computing	
14:10	MINI BREAK			
14:20	Ryan Perry: A data risk assessment and education tool for the Australian Data Archive using R Shiny	Joseph Guhlin: Reannotating 282 Genomes: The Hymenopteran Unified Gene Set <i>VIRTUAL PRESENTATION</i>	Vladimir Menci: Enabling network connectivity with eduroam Visitor Access <i>VIRTUAL PRESENTATION</i>	
14:40	Claire Rye / Greg Darcy : Accelerating data movement between New Zealand and Australia <i>HYBRID PRESENTATION</i>	Guilherme Cassales: Time-evolving data science applied to forest hydrology data	Martin Feller: Security vulnerability management in the Nectar research cloud at the University of Auckland <i>VIRTUAL PRESENTATION</i>	
15:00 - 15:30	AFTERNOON TEA			
	SESSION B			Workshop continued
	BOF Location: Dr John Gallagher Concert Chamber	BOF Location: Te Whare Tapere Iti	BOF Location: Playhouse Theatre	
15:30	Libby Liggins / Maui Hudson: What Māori metadata can and should be retained alongside data? <i>*IN PERSON INTENDED</i>	Yvette Wharton: Institutional approaches to sensitive research data <i>*IN PERSON INTENDED</i>	Nisha Ghatak: Building Research Capabilities With The Carpentries <i>*IN PERSON INTENDED</i>	
17:00	WELCOME FUNCTION Gallagher Academy of Performing Arts			

Thursday 16th February

8:30	REGISTRATION OPEN			
	HOUSEKEEPING AND KEYNOTE Location: Dr John Gallagher Concert Chamber			
9:15	Housekeeping			
9:30	Wyeth Wasserman: The Silent Genomes Project: Construction of and Indigenous governance over an Indigenous genetic variation reference database for rare disease diagnosis in Canada			
10:30-11:00	MORNING TEA			
	SESSION C			
	Session C1 Location: Dr John Gallagher Concert Chamber	Session C2 Location: Te Whare Tapere Iti	BOF Location: Playhouse Theatre	Workshop Location: Upstairs Lounge
11:00	Nick Jones: eResearch, NeSI and beyond	Kevan Cote: Classifying animal behaviour using machine learning: A collaborative approach to build capability across disciplines	F Jorge Bornemann: Building communities of practice <i>*VIRTUAL BOF</i>	Shivonne Londt and Kari de Borst: Learn how to accelerate your research with Machine Learning on AWS <i>*IN PERSON ONLY</i>
11:20	Georgina Rae: Taking an Agile Service Management Perspective at NeSI	Ben Halliday: Detection and Mitigation of Microbiome DNA Presence in Saliva-Derived Whole Genome Sequence Data		
11:40	MINI BREAK			
11:50	Dr Nauman Maqbool: Developing eResearch Services - An update on AgResearch and NeSI partnership on building national capability	Zoe Yang: Pangenome graph: towards a "reference free future"		
12:10	Blair Bethwaite: AgResearch's eResearch Infrastructure - a capability development journey with NeSI	Chris Scott: War on Wildings: continuing Flow Transport Model development		
12:30 - 13:30	LUNCH			
	SESSION D			Workshop continued
	Session D1 Location: Dr John Gallagher Concert Chamber	Session D2 Location: Te Whare Tapere Iti	BOF Location: Playhouse Theatre	
13:30	Marion Shadbolt: Advancing Human Genomics data sharing in Australia: Highlights from Australian BioCommons' Human Genome Informatics initiative <i>VIRTUAL PRESENTATION</i>	Richard Dean: How will the GPU in your pocket change the future of eResearch? <i>VIRTUAL PRESENTATION</i>	Tom Saunders: ResBaz Aotearoa: Building on Success <i>*IN PERSON ONLY</i>	
13:50	Libby Li: Data Stewardship Wizard: A tool for Digital Data Management Plans	Maxime Rio: Hyperparameter optimisation for Machine Learning: A little bit of theory and practice		
14:10	MINI BREAK			
14:20	Richard Hartshorn: Supporting a national data community - the Committee on Data in Research (CoDIR)	Jonny Williams: Using HPC-driven climate simulations and open-source software to predict future tropical cyclones <i>VIRTUAL PRESENTATION</i>		
14:40	Andrew McKenna-Foster: FAIR Capabilities: Quantifying the benefits of institutional repositories for graduate students' research outputs	Matthew Adlam: The Dynamics of Dictyostelium discoideum's microbiome and genomic changes of the symbiont Paraburkholderia agricolaris		
15:00-15:30	AFTERNOON TEA			
	SESSION E			
	BOF Location: Dr John Gallagher Concert Chamber	BOF Location: Te Whare Tapere Iti	BOF Location: Playhouse Theatre	Workshop Location: Upstairs Lounge
15:30	Noorjyah Lohani: Is your institution supporting FAIR research software? <i>*IN PERSON INTENDED</i>	Jana Makar: Building diverse teams through inclusive hiring practices <i>*IN PERSON INTENDED</i>	Blair Bethwaite: Cloud use-cases in research <i>*IN PERSON INTENDED</i>	Claire Rye: Can we characterise Aotearoa New Zealand's research data at scale <i>*IN PERSON ONLY</i>
18:00	Conference Dinner The Verandah Café and Events Centre			

eResearch NZ 2023

15-17 February | HAMILTON + ONLINE



Friday 17th February

8:30	REGISTRATION OPEN		
HOUSEKEEPING AND KEYNOTE Location: Dr John Gallagher Concert Chamber			
9:15	Housekeeping		
9:30	Warren Williams: "Ka Kimi Mana Taurite i te Ao Matihiko" - "Finding equity in the digital world"		
10:30-11:00	MORNING TEA		
Concurrent Session F			
	PANEL DISCUSSION Location: Dr John Gallagher Concert Chamber		BOF Location: Playhouse Theatre
11:00	Panel: Enabling Māori, Pasifika, other minorities' Panel		Workshop Location: Upstairs Lounge
		Yvette Wharton: An unexpected journey into PIDs - from planning to impact and back again <i>*IN PERSON INTENDED</i>	Callum Walley: Working with Singularity Containers (Interactive Workshop) <i>*Available in Person and Online</i>
12:30 - 13:30	LUNCH		
1:00 - 1:30	Wyeth Wasserman: TrustSphere - Connecting everyone to digital health		
Concurrent Session G			
	Session G1 Location: Dr John Gallagher Concert Chamber	Session G2 Location: Te Whare Tapere Iti	BOF Location: Playhouse Theatre
13:30	Mik Black: Building a taonga species data repository for Aotearoa New Zealand	Vladimir Mencil: Improving Trust in Identity Federations: an Update on New Developments in Tuakiri	Laura Armstrong: Incentivising Open Research <i>*IN PERSON INTENDED</i>
13:50	Ben Te Aika / Claire Rye: Rakeiora a pathfinder for genomic medicine: Building a prototype Genomics Platform <i>HYBRID PRESENTATION</i>	Jun Huh: Flexi HPC - Enabling new ways of eResearch	
14:20	Natalie Forsdick: Journeying towards good data management practices: Tips and tricks to empower the biodiversity genomics community	Sam Hitchman: Automated CT analysis to identify low emitting ruminants <i>LIGHTNING TALK</i>	
		Murray Cadzow: Testing Spatial Navigation with Google Street View <i>LIGHTNING TALK</i>	
14:40	Paula Andrea Martinez: The first RSE Asia Australia Unconference <i>VIRTUAL PRESENTATION</i>	François Bissey: Getting to know what runs in my private research cloud <i>VIRTUAL PRESENTATION</i>	
15:00	CONFERENCE CLOSE Location: Dr John Gallagher Concert Chamber		
			Workshop continued