



Science Coding Conference

1 - 2 August 2017 | Wellington

Day 1, Tuesday 1 August, 2017	
9.00am	Registration Opens
9.30am	Housekeeping
9.40am	Welcome & Opening
10.00am	Keynote address: Peter Ellis, Principal Data Scientist, Stats NZ
11.00am	Morning Tea
11.30am	Workshop
	Dr Hilary Oliver, NIWA: Automating Scientific Workflows with Cylc
12.30pm	Lunch
1.30pm	Workshop
	Software development and scientific programming in research organisations: Common themes and challenges
2:30pm	Afternoon Tea
3pm	Presentations
	<p>Wolfgang Hayek, NeSI/NIWA: Best of both worlds - boosting R with parallelised Fortran and C</p> <p>Robbie Price, Landcare Research: An application of Linear indexing to solve large combinatorial problems (Latin Hypercubes)</p> <p>Andy Ziegler, Meteorological Service of New Zealand Ltd: Research, Development, and Production of weather forecast at MetService – the modern way</p>
4pm	Presentations
	<p>Andre Geldenhuis, Victoria University, Wellington: DIY IT - Using AWS to support chaotic development and concepts</p> <p>Uwe Duesing, NIWA: Modern JS Development, Scaffolding, Tools Testing</p> <p>Chris Scott, NeSI: Applying good software engineering techniques to optimising a HPC code</p>
5pm-7pm	Reception & Networking

Day 2, Wednesday 2 August, 2017	
8.30am	Registration Opens
8.40am	Housekeeping
9:00am	Keynote address: Alys Brett, Data and Coding Team Leader, Culham Centre for Fusion Energy
10.00am	Morning Tea
10.30am	Workshops
	<p>Finlay Thompson, Dragonfly Data Science: Stencila</p> <p>Stencila Demo Session</p> <p>Alexander Pletzer, NeSI: First steps in creating 3D visualizations that are worth a thousand words</p>
12.00pm	Lunch
1.00pm	Presentations
	<p>Jonathan Flutey, Victoria University, Wellington: Creating the Chaotic Sandpit: Giving corporate IT the right tools and freedom to support science</p> <p>Bruno P. Kinoshita, NIWA: Basics of the International Image Interoperability Framework (IIIF) standard</p> <p>Aran Mol, NIWA: An evaluation of Quality Assurance techniques on meteorological data</p>
2.00pm	Afternoon Tea
2.30pm	Workshop
	<p>NeSI's new platforms: Over the coming months NeSI will replace and expand its national computer and data platform, extending its scope and performance to meet the changing needs of the New Zealand Research sector.</p> <p><i>In this workshop, we will outline the new platform architecture and services. For researchers currently using NeSI, we will delve into the changes for how you will use the platforms. There will be plenty of time for your questions and discussion.</i></p>
3:30pm	Feedback session & closing remarks
4:30pm	Conference Ends