

National eResearch Newsletter - February 2022

Message from AeRO:

AeRO has always played a pivotal collaborative role within the eResearch sector. This year, we're seeking to extend our engagement with a broader audience via the eResearch conference, AeRO Forum and other activities. Last year we ran the first AeRO grants program in collaboration with a commercial partner, and discussions are underway to offer a similar program in 2022.

To kick-off the New Year, we're rebooting the AeRO Jobs Board, and extend an open invitation to share upcoming opportunities via this platform.

To help make membership more accessible, we're also reviewing our membership model and hope to share more details with you soon.

In the meantime, if you're interested in collaborating with AeRO on activities, events or work programs, feel free to contact me directly, at loretta@aero.edu.au.

We look forward to an exciting year ahead for eResearch!

Kind regards, Loretta Davis,
AeRO Executive Officer.

CONTENTS:

- * [TechTalk: Open Source Library Vignettes: 22-Feb.](#)
- * [Improve Visibility of Research Software: 24-Feb.](#)
- * [CloudStor Clinic: 25-Feb.](#)
- * [RDA 19th Plenary - Call for Sessions: by 26-Feb.](#)
- * [Webinar: Making Research Code Visible: 2-Mar.](#)
- * [Call for Contributions iPres 2022: due 8-Mar.](#)
- * [Webinar: Flexible HPC and Cloud: 9-Mar.](#)
- * [Workshops: Free Galaxy Data Analysis Training: 14-Mar.](#)
- * [Data Science Week is back in 2022: 9 to 13-May.](#)
- * [Biosecurity Commons Website Launched.](#)
- * [Visible Research Software Interest Group.](#)
- * [EcoCommons' Ecological Modelling Platform.](#)
- * [NCRIS: The Power Behind Australia's Science.](#)
- * [NCI's New Flexible Adapter Scheme.](#)
- * [Survey: What Bioinformatics Training Do You Need?](#)
- * [eResearch Program Committee – Call for EOIs.](#)
- * [Australia's National Research Cloud Nectar Celebrates 10 Years.](#)
- * [Describing Dataset Quality – Towards a Global Best Practice.](#)
- * [Data Strategy Highlights Strong Contribution of Research Data Infrastructure.](#)
- * [How Much Are Persistent Identifiers Worth to Australian Research?](#)
- * [Nebula: New Web-Based Remote Visualisation Windows Cluster is Now Available.](#)
- * [Diversity and Inclusivity in HPC Mentoring.](#)
- * [2022 Interns: A Demonstration of Immense Talent in Supercomputing.](#)
- * [A Celebration of Women and Girls in Science.](#)



It is a truism that Open Source software libraries come in many different flavours. In our AuScope projects we have accumulated a diverse collection of open source software library projects and we would like to share with you our experiences in creating and managing them. We will cover topics such as maintenance issues, suitability of software platforms, code separation and managing different kinds of user groups.

Tech Talk 11 will take place on 22 Feb, at 11.00 AEDT.

Topic: Open Source Library Vignettes.

Speaker: Vincent Fazio, CSIRO Minerals.

More information and to sign up, go to: http://tiny.cc/techtalk_2020/talks.

Improve Visibility of Research Software for Career Advancement: 24-Feb



This Panel Discussion is co-hosted by Australian BioCommons, ABACBS, and the ARDC Software Program. It forms part of the implementation of the ARDC National Research Software Agenda (<https://bit.ly/rs-agenda>) to make research software more visible, better cited and maintained.

Speakers will bring examples from Bioinformatics, but the topic of discussion is of importance for any researcher who produces code.

When: 1pm AEDT, Thursday, 24-Feb-22.

Registration is free and open to all:

https://unimelb.zoom.us/meeting/register/tZ0pcuygqT4pEtCns59vNv-2ra_gjBPiFw_S.

CloudStor Clinic: 25-Feb



AARNet has introduced fortnightly CloudStor Clinics, running from 25-Feb to 8-Apr, to help researchers and CloudStor users get the most out of CloudStor. The sessions cater for absolute beginners through to advanced users from all areas of research. Participants can drop in any time to discuss problems they are trying to solve or issues they would like to address relating to CloudStor. AARNet staff from the eResearch, CloudStor and Service Desk teams will be available to share knowledge and help users.

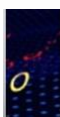
The first Clinic will be held at 1pm AEDT, Friday 25-Feb-22. Find out more and register: <https://www.aarnet.edu.au/cloudstor-clinics>.

Research Data Alliance 19th Plenary - Call for Sessions: by 26-Feb

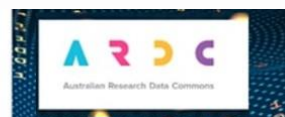


RDA Plenary 19 is currently planned to take place as a hybrid event, as part of International Data Week 2022, taking place 20-23 June 2022. Please submit your session application using the forms at the website below by 26 February, 2022. See: <https://www.rd-alliance.org/rdas-19th-plenary-call-sessions-now-open>.

Webinar: Making Research Code Visible: 2-Mar



Four Recommendations to Make Research Code Visible



In this webinar organised by ARDC, we will cover the four recommendations to make research code more visible. We will also discuss the alignment of these recommendations with the FAIR Principles for research software (FAIR4RS).

When: 12 noon, AEDT, Wednesday, 2 March 2022. Speaker: Dr Paula Andrea Martinez, ARDC Software Project Coordinator and ReSA Community Manager.

More information and to register: <https://www.eventbrite.com.au/e/4-recommendations-to-make-research-code-visible-tickets-262338410247>.

Call for Contributions iPres 2022: due 8-Mar



iPres is the premier conference series on digital preservation. The conference brings together information scientists, students, researchers, archivists, librarians, service providers, software developers and experts from different sectors to share emerging and cutting-edge insights in digital preservation. Hosted in Scotland in September 2022, it will be delivered in a hybrid format. Submissions invited for papers, workshops, posters, panels, hack-a-thons, and a Digital Preservation Bake-Off Challenge.

Submissions should relate to the conference theme Data for All, for Good, for Ever: Let Digits Flourish. Deadline: 8 March 2022.

Read more at: <https://ipres2022.scot/news/>. See <https://ipres2022.scot/important-dates/>.

Webinar: Flexible HPC and Cloud for Bioinformatics: 9-Mar



In response to the growing demand for flexible access to high-performance computing and cloud, the National Compute Infrastructure (NCI) has launched a new access scheme: Adapter (see item below).

This webinar introduces life scientists to the Adapter Scheme and provides insights into preparing a strong application, including optimising your bioinformatics pipelines for improved speed and efficiency.

1pm to 2pm AEDT, 9 March 2022.

More information and to register: <https://www.biocommons.org.au/events/nci-adapter>.

Workshops: Free Galaxy Data Analysis Training: 14-Mar



Learn how to analyse your data and use sophisticated computational workflows without the need for programming experience. The Galaxy Training Network is hosting a smörgåsbord of opportunities to learn how to analyse a variety of data including transcriptomics, proteomics, and next generation sequencing. Online and asynchronous (at-your-own-pace) across all international time zones with live support from experienced instructors from the Galaxy Australia and Australian BioCommons teams.

March 14-18 2022 in your local timezone. More information and to register: <https://www.biocommons.org.au/events/galaxy-smorgasbord-2022>.

Data Science Week is back in 2022: 9 to 13-May



Australia's #DataScienceWeek is back in 2022 and we're looking for YOUR amazing events to complete the week! Focusing on the theme Data Science Every Day, this week aims to bring together a community of data scientists, technologists, educators, data science enthusiasts and more to raise awareness around data science, STEM, network and share ideas with like-minded peers. Register your event here: www.datascienceweek.org.

Biosecurity Commons Website Launched



The Biosecurity Commons team are pleased to announce we have launched our new website and have two new social media channels. We are also on track to release our first workflow, Dispersal Modelling, in May. Read all about the new Biosecurity Commons website here: <https://www.biosecuritycommons.org.au/biosecurity-commons-launches-new-website/>.

Read all about the Biosecurity Commons commencing work on Dispersal Modelling workflow here: <https://www.biosecuritycommons.org.au/biosecurity-commons-commence-work-on-dispersal-modelling-workflow/>.

Launching the Visible Research Software Interest Group

Visible Research Software Interest Group

The Visible Research Software Interest Group is a space for community conversation via an online forum for people within Australasian Research Institutions to discuss the visibility of research software, eg citation, publication, and FAIRification. The SIG acts as a catalyst to jump-start coordinated activities designed to improve the visibility of research software assets to recognise authors of research software and improve the sustainability of those assets. The group will discuss making research software citable, published and FAIR. For more information visit the website: <https://sites.google.com/ardc.edu.au/visible-research-software>.

EcoCommons' Ecological Modelling Platform Improvements



The platform has continued to be refined and is increasingly being tested by external users, with “jaw-droppingly” fast run times for complex models. If you want to read the latest news, see some links to tips for coding in R, or want to review a growing list of papers that caught our eye related to species distribution modelling, go

to: <https://app.vision6.com.au/em/message/email/view.php?id=1597072&a=99641&k=iRLuvAcVKQ6Koh3FlrjTf4sl9Xgmo2aQwjFPxIGJ0e0>.

If you would like to join the select group of platform pioneers who test drive the growing functionality available on the platform, go

to: https://app.vision6.com.au/em/forms/subscribe.php?db=700840&s=465756&a=99641&k=AqwBguvZDujLdAYLYZ3a52BVktepioIW03_L0ocb-ms.

NCRIS: The Power Behind Australia's Science

Benefit to cost ratio of investment in **NCRIS facilities** is high (estimated to be **over \$7** for every **\$1 invested**).



Behind the national and international headlines of the COVID-19 pandemic and the Australian 2019 bushfires, there is a network of research enablers supporting high-impact, nationally significant research. This network of facilities make up the NCRIS facilities – funded through the National Collaborative Research Infrastructure Strategy – and since 2004 they have enabled a wealth of research excellence, making it both headline-worthy and a critical pillar of the Australian economy.

A new report highlights the more than 7 dollars of value to come from each dollar invested by the

government into NCRIS facilities. Read the whole report and more here: <https://nci.org.au/news-events/news/ncris-power-behind-australias-science>.

NCI's New Flexible Adapter Scheme



In response to demand for a scheme that allows for flexible access to high-performance computing and cloud, NCI is launching a new merit-based access scheme. The new Adapter Scheme will facilitate access to data, enable high-throughput computing, and support other new and emerging ways of engaging with Tier-1 high-performance computing and high-performance data resources. Quarterly allocations of up to 500 KSU to be used across NCI's HPC, cloud and data environments will be available through this scheme.

Applications will open very soon, the NCI website will have all the details and information about eligibility and how to apply: <https://nci.org.au/users/how-access-nci/adapter-scheme>.

Survey: What Bioinformatics Training Do You Need?



The national Bioinformatics Training Cooperative offers free online training events. They want to know which skills and topics would help life scientists and bioinformaticians deliver their best research in 2022.

Please share your thoughts via the short 10-minute survey: <https://tinyurl.com/bioinf-training-needs>.

eResearch Program Committee – Call for EOIs



The eResearch Australasia Conference Program Committee plays an important role in shaping the eResearch Conference. Due to staff changes within the sector, we're seeking expressions of interested for new committee members. Members don't need to be AeRO members, and we meet each month via Zoom. Members assist with submission reviews and other activities. If you'd like to know more, or to nominate yourself, please email loretta@aero.edu.au.

Australia's National Research Cloud Nectar Celebrates 10 Years



The ARDC Nectar Research Cloud celebrates 10 years of supporting the Australian research community. For the full story, go to: <https://ardc.edu.au/news/nectar-celebrates-10-years/>.

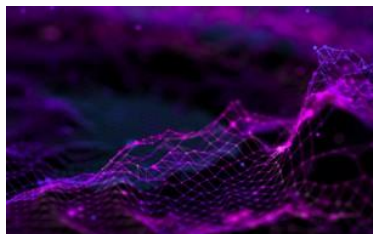
Describing Dataset Quality – Towards a Global Best Practice



Understanding the quality of a dataset is crucial for its reusability and for reproducing research. But what is 'data quality' and how do we record it and make it accessible?

For the full story, go to: <https://ardc.edu.au/news/describing-dataset-quality-towards-a-global-best-practice/>.

Data Strategy Highlights Strong Contribution of Research Data Infrastructure



Learn about the new Australian Government Data Strategy, which shares the Government's data intent and efforts over the period to 2025, and how it relates to research data. Read the story

here: <https://ardc.edu.au/news/australian-governments-data-strategy-highlights-strong-contribution-of-research-data-infrastructure/>.

How Much Are Persistent Identifiers Worth to Australian Research?



For the first time in Australia, an assessment of the value of persistent identifiers to research is underway. A cost-benefit analysis of the impact of persistent identifiers on Australian research is being conducted by MoreBrains Cooperative, supported by the Australian Research Data Commons (ARDC) and Australian Access Federation (AAF). A report on the analysis is expected in mid-2022. Read more here: <https://ardc.edu.au/news/how-much-are-persistent-identifiers-worth-to-australian-research/>.

Nebula: New Web-Based Remote Visualisation Windows Cluster is Now Available



Pawsey are delighted to announce our new Windows-based visualisation cluster which will make it easier for researchers to access and build visualisations. Nebula is available via the web, which means researchers can access this resource on the fly without needing to install any client software on their laptops. It will also support touch-enabled interfaces, improving functionality and interactivity.

Click here to learn how to gain access: <https://pawsey.org.au/nebula-is-now-available/>.

Diversity and Inclusivity in HPC Mentoring



Pawsey Supercomputing Research Centre is striving towards a more diverse, inclusive (D&I) and equitable workplace. To achieve this goal Pawsey are trialling new approaches, including mentoring, participation in D&I Communities of Practice (CoPs), use of inclusive language and using its standing to promote these values to the wider high-performance computing (HPC) community. Read how they're doing it, here: https://pawsey.org.au/case_studies/diversity-inclusion-hpc-mentoring/.

2022 Interns: A Demonstration of Immense Talent in Supercomputing



The 2022 Pawsey Intern Showcase has marked the completion of another successful Summer Internship Program and demonstrated again the immense talent and potential emerging in the field of supercomputing. The virtual conference celebrated the work and achievements of this year's cohort following the completion of a ten-week internship program.

Pawsey's annual internship program, open to 3rd year through to Masters' students, is designed to develop skills through immersion in computational science and research projects.

Read more here: <https://pawsey.org.au/2022-interns-a-demonstration-of-immense-talent-in-supercomputing/>.

A Celebration of Women and Girls in Science



Pawsey were delighted to mark the International Day of Women and Girls in Science with the visit of the Minister for Science and Technology Hon Melissa Price and four WA Superstars in STEM, which features a number of our own Pawsey superstars.

At Pawsey, our mission is to enable science and accelerate discovery, and we can help achieve these goals by advocating for women to enter, develop, represent and lead in every scientific field.

Read more here: <https://pawsey.org.au/a-celebration-of-women-and-girls-in-science/>.

Contributions

This newsletter is based on contributions from members of the eResearch community, and draws on news articles and newsletters published across the sector. The Newsletter is published around the 16th of each month. Please send all contributions (max. 100 words + link + image) or pointers to any other relevant articles or newsletters to editor@aero.edu.au.

Newsletter archives are available at <http://aero.edu.au/newsletters/>.

Click [HERE](#) to subscribe to the eResearch Mailing List.

Thanks, Alex Reid, AeRO Newsletter Editor.

Copyright © 2022 AeRO - Australian eResearch Organisations, All rights reserved.

Want to change how you receive these emails?

You can [update your preferences](#) or [unsubscribe from this list](#).