

# Supporting FAIR4RS Adoption Guidelines

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## ABSTRACT / INTRODUCTION

Research software is a significant and vital component of research. The FAIR for Research Software Working Group ([FAIR4RS WG](#)) is a global community that advocates for and raises awareness of FAIR (Findable, Accessible, Interoperable, Reusable) research software through regional and international collaboration.

The FAIR4RS Principles recently developed by the FAIR4RS WG are relevant to the larger ecosystem that supports research software. As RSEs and advocates for RSEs, we encourage global involvement in developing a clear and measurable path to progressively improve the FAIRness of research software, leading to better research practices, such as replicability, reproducibility, and increased recognition and transparency.

This session will outline how the RSE AUNZ community can participate in co-producing guidelines for implementation of the FAIR4RS Principles, to help encourage and streamline adoption. The emergence of community implementation strategies will assist in demonstrating the value placed upon adoption of the FAIR4RS Principles and encourage policy makers to also embrace implementation.

This work is valuable to RSEs, researchers, the scientific community, organisations that create, modify, manage, share, protect, fund and preserve research software, and others with an interest in the FAIR4RS Principles.

## ABOUT THE AUTHOR(S)

Dr. Paula Andrea Martinez is currently the Software Project Coordinator at ARDC. Her work supports the proposed Software Agenda in Australia leading to research software recognition as a first-class scholarly output of research. She is a Co-Chair of the FAIR4RS WG, also an advocate of Open Science, better research, diversity and community projects like the FAIR4RS, The Carpentries, ROpenSci and R-Ladies. She is also working with the Research Software Alliance (ReSA) as part-time Community Manager.

Dr. Daniel S. Katz is Chief Scientist at the National Center for Supercomputing Applications (NCSA), Research Associate Professor in Computer Science, Electrical and Computer Engineering (ECE), and the School of Information Sciences (iSchool) at the University of Illinois Urbana-Champaign. He is also the Steering Committee Chair of the Research Software Alliance (ReSA), co-chair of the FAIR4RS WG and the FORCE11 Software Citation Implementation Working Group, and an Associate-Editor-in-Chief of the Journal of Open Source Software (JOSS).

Dr. Michelle Barker has extensive expertise in open science, digital research infrastructure and digital workforce capability. As a sociologist, Michelle is passionate about building collaborative partnerships to achieve system change. She works as both an Open Science Consultant, and Director of the Research Software Alliance (ReSA), which brings together software communities together to collaborate to increase recognition of research software.

Dr. Tom Honeyman is the manager of the Software Program at the ARDC, where he is working on a program of activities to seek recognition of research software as a first-class output of research. As part of that work the ARDC has recently released a National Agenda for Research Software, which Tom was a co-author on. The Agenda defines a set of 12 actions which combined represent a call to “See, Shape and Sustain Research Software”.

Dr. Carlos Martinez-Ortiz is Scientific Community Manager at the Netherlands eScience center. Previously he worked on several projects as Research Software Engineer. His current focus is in Software Sustainability and is a co-chair of the FAIR4RS WG.