



PERSONAL

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EDUCATION

Bachelor of Science (Honours),
University of Sydney (2017)
Member, Australian Evaluation Society



Jack has a background in ecological research and is excited about augmenting his skills and insights from science to the public policy ecosystem. He is passionate about taking complex concepts and data and communicating them in ways that are accessible, useful and targeted to his audiences.



As a scientist, I am interested in incorporating rigorous scientific measures into evaluation data collection. But working in this field has challenged my Eurocentric view on conducting purely objective research, which I find truly invigorating.

There's a quiet satisfaction in knowing that I, in some way, am contributing to meaningful work that might improve someone's quality of life down the road.

JACK RUTHERFORD CONSULTANT



SCIENCE AND THE ENVIRONMENT

Jack relishes any opportunity at ARTD to contribute to policies and programs in the environmental sector. Drawing on his unique biological theory-based perspective, Jack thinks critically about evaluation and analysis approaches in this sector and considers the best ways to communicate complex scientific content to wider audiences.

- » **Evaluation of the Environmental Water Management Program** (Department of Planning, Industry and Environment, ongoing): Using a systems evaluation theory approach, Jack conducted fieldwork in the Murrumbidgee catchment area, analysed survey and interview data, and reviewed environmental monitoring reports and program documentation to evaluate the health of the program.
- » **Indigenous Girls STEM Academy Evaluation Strategy** (Department of Prime Minister and Cabinet, 2019): Jack conducted a literature review of best practice STEM education models and how they may incorporate Indigenous ways of knowing and knowledge gathering. This research aided the development of the Academy's theories of change.
- » **National Disaster Resilience Program Evaluation** (NSW Office of Emergency Management, 2018–19): Jack helped facilitate focus groups with persons with hearing impairment to understand their perspectives in preparing for natural disasters.

Jack collaborates with clients to create infographics that deftly communicate complex theories and processes and has done so for a range of environmental programs.

- » **Design and infographics for the ETCRE Project Riparian Rehabilitation Good Practice Guide** (Natural Resource Commission and NSW Environmental Trust, 2020).
- » **Development of infographics for the Coastal Integrated Forestry Operations Approval report** and **the Old Growth Forest Reassessment** (NRC, 2019).

ANALYSING DATA AND INTERPRETING FINDINGS

Jack develops and distributes complex surveys and engages with diverse stakeholders to gather data. Yet Jack's true strengths centre on conducting thorough analyses of this data, and in crafting reports that are right for his audiences. Jack's writing is thoughtful, detailed and—perhaps most importantly—tell stories that resonate with his audiences.

- » **Evaluation of Questacon's National Presence Strategy** (Questacon, 2019–ongoing): Created a suite of survey tools to gather information for social network analyses of STEM learning ecosystems in three jurisdictions.
- » **Evaluation of the Visit Program** (Open Support, 2019–20). Conducted and reported on thematic analysis of interview and focus group data and produced a comprehensive literature review on the causes, effects and costs of social isolation.
- » **Midterm Evaluation of the NSW WHS Roadmap** (Safework NSW, 2019–20).
- » **Development of clinical practice guidelines for physiotherapy management of people with spinal cord injuries** (Kolling Institute, 2019–20).
- » **DV-Alert Working with Women with Disability Evaluation** (Lifeline, 2019–20).