



Expression of Interest for a Data Analyst

To support a review of Australia's ex situ germplasm collections

Fixed Term (9 months), Part Time (20 h/week)

Position Description – Data Analyst (National native seed and germplasm collection data)

Australia has more than 23,000 plant species, many of which are yet to be adequately represented in ex situ collections. Securing genetically representative collections of Australia's seed-bearing plant species, including their sub-populations, will require sustainable, long-term investments in Australia's seed science expertise and ex situ conservation facilities. Identifying these needs at the national level is a key priority for the Australian Seed Bank Partnership.

The [Australian Seed Bank Partnership](#) is a formal network of conservation seed banks and flora-focussed organisations working together to conserve Australia's native plant diversity through collaborative and sustainable seed collecting, banking, research, use, and knowledge sharing. The Partnership includes major conservation seed banks in every Australian state and territory, each collecting locally occurring native species to contribute to regional, national and international plant conservation priorities.

Australia's network of major conservation seed banks provides a coordinated safety net for Australian's native flora. For more than 20 years the members of the Partnership have collected seeds from across the continent and its external island territories. This meta-collection represents concerted efforts and investments from governments, business, philanthropic organisations, and private donors over many years. With ongoing and increasing threats to the future survival of Australia's native plants, the Partnership is looking to review our existing collections with the aim of identifying their representativeness, functionality and value to Australia's conservation needs and contribution to global conservation initiatives.

This review will assist the Partnership to identify gaps in Australia's native seed meta-collection, with further analysis providing data-driven future prioritisation and encouraging targeted investment across the country.

The Role

The Partnership is looking for an experienced Data Analyst to perform the following role.

- Oversee the submission of seed accession datasets from partner facilities
- Undertake quality control, data harmonisation and data aggregation to generate one national dataset
- Document data manipulation and aggregation methods, and possibly create a pipeline for this process
- Develop, with the author group, statistical analyses to be used to address research questions
- Undertake statistical analysis and present summaries to the author group
- Prepare publication-quality figures and tables
- Prepare scripts, or clean datasets for supplementary materials for publication and/or ASBP's long-term record keeping



Project Duration

June 2022 to March 2023 (with possibility of extension to June 2023)

Desired Skills and Experience

The successful candidate will preferably have the following skills and expertise to support delivery of the project.

- Highly developed analytical skills, with the ability to interpret moderate sized and complex biological datasets rapidly and accurately
- Experience handling and/or aggregating data from different sources
- Experience in statistical reporting and data presentation for senior researchers
- Knowledge of seed biology and germination terminology and data structures
- Ability to manipulate data using appropriate software systems, including experience using software such as R
- Experience in managing data quality and initiating quality improvement practices to ensure data integrity
- Experience producing analysis documentation to ensure reproducibility of results
- Experience presenting scientific data for publication

Remuneration and engagement options

- \$60,000-\$100,000 p/a 1.0 FTE wage - 20 hours/week (To be negotiated with the successful candidate based on experience, qualifications and contract type)
- Employment through existing institutional arrangements (botanic gardens, universities, etc) or direct engagement of consultancy service (must have an ABN, workers insurance etc.)
- Reimbursement of reasonable costs incurred will be considered on a case-by-case basis (software if required, internet, phone).
- IT equipment will not be provided
- Travel is not required for this role
- This position can be delivered from anywhere in Australia as it will be a predominantly desktop study.

EOI Submission Requirements and Deadline

Applicants are required to submit a current CV along with a one-page statement of claims outlining their suitability for the position. Shortlisted applicants may be asked to provide contact details for up to two referees. Applications must be emailed to coordinator@seedpartnership.org.au by 11:59pm AEST on Tuesday, 17 May 2022.

Position Contacts

Potential candidates can contact the following Partnership representatives to discuss the position.

Dr David Merritt – david.merritt@dbca.wa.gov.au – 08 9480 3628 - (WST)

Dr Lydia Guja – lydia.guja@awe.gov.au – 02 6250 9471 - (AEST)