Position Description

College/Division: ANU College of Science
Faculty/School/Centre: Institute for Climate, Energy and Disaster Solutions (ICEDS)
Position Title: Postdoctoral Fellow
Classification: Level A
Responsible to: Head of Disaster Solutions

PURPOSE STATEMENT:
Climate, energy and disasters are urgent and growing issues for Australia. The Institute for Climate, Energy and Disaster Solutions (ICEDS) advances innovative solutions to address climate change, energy system transitions and disasters. ICEDS facilitates integrated approaches to research, teaching and policy engagement across disciplines. The ANU School of Culture, History and Language is dedicated to investigating and learning with and about the people, languages, and lands of Asia and the Pacific.

CSIRO Environment works across the domains of climate, land, water, ecosystems and communities to deliver outcome-focussed biophysical and socio-economic research. CSIRO delivers innovative solutions to the complex challenges that arise from the demands and impacts of human activities on the environment.

The Postdoctoral Fellow will be part of an interdisciplinary team and will research Indigenous catchment cultural values, and Indigenous knowledge for flood mitigation and effectiveness in the Richmond River Catchment. This project will be undertaken in parallel with a CSIRO flood study funded by NEMA, which is developing a hydrodynamic model and scenarios (a combination of all possible options) for flood mitigation in the Richmond River catchment (https://www.csiro.au/en/research/natural-disasters/floods/northern-nsw-resilience-initiative).

The Postdoctoral Fellow will be closely aligned with the new Australian Research Council (ARC) Centre of Excellence for Indigenous and Environmental Histories and Futures. The Centre expects to make a legacy contribution by developing complementary Indigenous and Western knowledge frameworks for modelling environmental, cultural, and historical change in Australia over the last millennium and into the future.

KEY ACCOUNTABILITY AREAS:
Position Dimension and Relationships:
The Postdoctoral Fellow will be a member of ANU Institute for Climate, Energy & Disaster Solutions (ICEDS), the ANU School of Culture, History and Language, and CSIRO Environment, accountable to the Head of Disaster Solutions. The Postdoctoral Fellow will be expected to work collegially, leading by example to develop and maintain effective, productive and beneficial workplace relationships within the all-academic and professional School and College staff, students and honorary appointees, as well as with industry stakeholders. This position will also have a mentoring role for students and will engage in collegial and productive collaborations with local, national and where possible, international colleagues.

Role Statement:
In their role as an Academic Level A the Postdoctoral Fellow is expected to:

- Undertake and publish independent and collaborative research to contribute to the ANU NEMA-funded initiative - Partnering with local communities in regional Australia to increase resilience to flood risk and the CSIRO Northern Rivers Resilience Initiative, and to the research in local Indigenous catchment cultural values, and Indigenous knowledge for flood mitigation and effectiveness in the Richmond River Catchment in the NSW Northern Rivers region.
- Engage with Indigenous Elders, Indigenous communities and Land Councils, to understand their values, needs and perspectives. By co-designing research with Indigenous partners, Indigenous knowledges will reframe understanding of solutions to flood mitigation (with appropriate consideration to indigenous cultural values).
- Participate in project meetings including presenting results and contributing to writing project reports.
- Present research at academic seminars at national and international conferences and collaborate with other researchers at a national and international level.
• Actively contribute to required aspects of the operation of CSIRO, ICEDS and CHL, and spend time with the CSIRO team at Black Mountain.
• Assist in outreach activities including to prospective students, research institutes, industry, government, the media and the general public.
• Maintain high academic standards in all education, research and administration endeavours.
• Supervise students working on individual or group projects relevant to the NEMA Floods Initiative at undergraduate, honours, graduate-coursework levels.
• Supervise research support staff in your research area.
• Seek and secure external funding including the preparation and submission of research proposals to external funding bodies where appropriate.
• A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context.
• Other duties as required that are consistent with the classification of the position.
• Comply with all ANU policies and procedures, and in particular those relating to work health and safety and equal opportunity

Skill Base:
A Level A academic will work with the support and guidance from more senior academic staff and is expected to develop their expertise in teaching and research with an increasing degree of autonomy. A Level A academic will normally have completed four years of tertiary study or equivalent qualifications and experience and may be required to hold a relevant higher degree.

A Level A academic will normally contribute to teaching at the institution, at a level appropriate to the skills and experience of the staff member, engage in scholarly, research and/or professional activities appropriate to their profession or discipline, and undertake administration primarily relating to their activities at the institution. The contribution to teaching of Level A academics will be primarily at undergraduate and graduate diploma level.

SELECTION CRITERIA:
• A PhD (or awarding of a PhD within six months of appointment commencement) in one of the disciplines represented in our key programs in the School of Culture, History and Language, which include Anthropology, Archaeology and Natural History, or equivalent qualifications and experience in a related area such as Geography, Social Sciences or Environmental Sciences, with a track record of independent research as evidenced by publications in peer-reviewed journals, presentations at conferences, and/or equivalent professional activity such as consultancy or policy work.
• Experience in liaising and collaborating with external partners, ideally Indigenous communities and Land Councils.
• A demonstrated proficiency in one or more Indigenous Australian languages is desirable, but not essential.
• Excellent oral and written English language skills and a demonstrated ability to communicate and interact effectively with a variety of staff and students in a cross-disciplinary academic environment and to foster respectful and productive working relationships with staff, students and colleagues at all levels.
• An ability and commitment to contribute to bids for competitive external funding to support individual and collaborative research activities.
• A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context.

The ANU conducts background checks on potential employees, and employment in this position is conditional on satisfactory results in accordance with the Background Checking Procedure which sets out the types of checks required by each type of position.

Supervisor/Delegate Name: Dr Roslyn Prinsley Date: June 2023

References:
Academic Minimum Standards
Position Description

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PURPOSE STATEMENT:
Climate, energy and disasters are urgent and growing issues for Australia. The Institute for Climate, Energy and Disaster Solutions (ICEDS) advances innovative solutions to address climate change, energy system transitions and disasters. ICEDS facilitates integrated approaches to research, teaching and policy engagement across disciplines. The ANU School of Culture, History and Language is dedicated to investigating and learning with and about the people, languages, and lands of Asia and the Pacific. CSIRO Environment works across the domains of climate, land, water, ecosystems and communities to deliver outcome-focused biophysical and socio-economic research. CSIRO delivers innovative solutions to the complex challenges that arise from the demands and impacts of human activities on the environment.

The Research Fellow will be part of an interdisciplinary team and will research Indigenous catchment cultural values, and Indigenous knowledge for flood mitigation and effectiveness in the Richmond River Catchment. This project will be undertaken in parallel with a CSIRO flood study funded by NEMA, which is developing a hydrodynamic model and scenarios (a combination of all possible options) for flood mitigation in the Richmond River catchment ([https://www.csiro.au/en/research/natural-disasters/floods/northern-nsw-resilience-initiative](https://www.csiro.au/en/research/natural-disasters/floods/northern-nsw-resilience-initiative)).

The Research Fellow will be closely aligned with the new Australian Research Council (ARC) Centre of Excellence for Indigenous and Environmental Histories and Futures. The Centre expects to make a legacy contribution by developing complementary Indigenous and Western knowledge frameworks for modelling environmental, cultural, and historical change in Australia over the last millennium and into the future.

KEY ACCOUNTABILITY AREAS:
Position Dimension and Relationships:
The Research Fellow will be a member of ANU Institute for Climate, Energy & Disaster Solutions (ICEDS), the ANU School of Culture, History and Language, and CSIRO Environment, accountable to the Head of Disaster Solutions. The Research Fellow will be expected to work collegially, leading by example to develop and maintain effective, productive and beneficial workplace relationships within the all-academic and professional School and College staff, students and honorary appointees, as well as with industry stakeholders. This position will also have a mentoring role for students and will engage in collegial and productive collaborations with local, national and where possible, international colleagues.

Role Statement:
In their role as an Academic Level B the Research Fellow is expected to:

- Undertake and publish independent and collaborative research to contribute to the ANU NEMA-funded initiative - Partnering with local communities in regional Australia to increase resilience to flood risk and the CSIRO Northern Rivers Resilience Initiative, and to the research in local Indigenous catchment cultural values, and Indigenous knowledge for flood mitigation and effectiveness in the Richmond River Catchment in the NSW Northern Rivers region.
- Engage with Indigenous Elders, Indigenous communities and Land Councils, to understand their values, needs and perspectives. By co-designing research with Indigenous partners, Indigenous knowledges will reframe understanding of solutions to flood mitigation (with appropriate consideration to indigenous cultural values).
- Participate in project meetings including presenting results and contributing to writing project reports.
- Present research at academic seminars at national and international conferences and collaborate with other researchers at a national and international level.
- Actively contribute to required aspects of the operation of CSIRO, ICEDS and CHL, and spend time with the CSIRO team at Black Mountain.

For assistance please contact HR Division Ph. 6125 3346
- Assist in outreach activities including to prospective students, research institutes, industry, government, the media and the general public.
- Maintain high academic standards in all education, research and administration endeavours.
- Supervise students working on individual or group projects relevant to the NEMA Floods Initiative at undergraduate, honours, graduate-coursework levels.
- Supervise Postdoctoral Fellow’s and research support staff in your research area.
- Seek and secure external funding including the preparation and submission of research proposals to external funding bodies where appropriate.
- A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context.
- Other duties as required that are consistent with the classification of the position.
- Comply with all ANU policies and procedures, and in particular those relating to work health and safety and equal opportunity

**Skill Base:**

A Level B academic will undertake independent teaching and research in their discipline or related area. In research and/or scholarship and/or teaching a Level B academic will make an independent contribution through professional practice and expertise and coordinate and/or lead the activities of other staff, as appropriate to the discipline.

A Level B academic will normally contribute to teaching at undergraduate, honours and postgraduate level, engage in independent scholarship and/or research and/or professional activities appropriate to their profession or discipline. The academic will normally undertake administration primarily relating to their activities at the institution and may be required to perform the full academic responsibilities of and related administration for the coordination of an award program of the institution.

**SELECTION CRITERIA:**

- A PhD (or awarding of a PhD within six months of appointment commencement) in one of the disciplines represented in our key programs in the School of Culture, History and Language, which include Anthropology, Archaeology and Natural History, or equivalent qualifications and experience in a related area such as Geography, Social Sciences or Environmental Sciences, with a track record of independent research as evidenced by publications in peer-reviewed journals, presentations at conferences, and/or equivalent professional activity such as consultancy or policy work.
- Experience in liaising and collaborating with external partners, ideally Indigenous communities and Land Councils.
- A demonstrated proficiency in one or more Indigenous Australian languages is desirable, but not essential.
- Excellent oral and written English language skills and a demonstrated ability to communicate and interact effectively with a variety of staff and students in a cross-disciplinary academic environment and to foster respectful and productive working relationships with staff, students and colleagues at all levels.
- An ability and commitment to contribute to bids for competitive external funding to support individual and collaborative research activities.
- A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context.

The ANU conducts background checks on potential employees, and employment in this position is conditional on satisfactory results in accordance with the Background Checking Procedure which sets out the types of checks required by each type of position.

Supervisor/Delegate Name: Dr Roslyn Prinsley
Date: June 2023

References:

Academic Minimum Standards
Position Description

**College/Division:** College of Science  
**Faculty/School/Centre:** Institute for Climate, Energy and Disaster Solutions (ICEDS)  
**Position Title:** Senior Lecturer  
**Classification:** Academic Level C  
**Responsible to:** Head of Disaster Solutions

**PURPOSE STATEMENT:**
Climate, energy and disasters are urgent and growing issues for Australia. The [Institute for Climate, Energy and Disaster Solutions](https://www.anu.edu.au/college-of-science/department-of-climate-energy-and-disaster-solutions) (ICEDS) advances innovative solutions to address climate change, energy system transitions and disasters. ICEDS facilitates integrated approaches to research, teaching and policy engagement across disciplines. The [ANU School of Culture, History and Language](https://www.anu.edu.au/schools/culture-history-language) is dedicated to investigating and learning with and about the people, languages, and lands of Asia and the Pacific.


The Senior Lecturer will be part of an interdisciplinary team and will research Indigenous catchment cultural values, and Indigenous knowledge for flood mitigation and effectiveness in the Richmond River Catchment. This project will be undertaken in parallel with a CSIRO flood study funded by NEMA, which is developing a hydrodynamic model and scenarios (a combination of all possible options) for flood mitigation in the Richmond River catchment (https://www.csiro.au/en/research/natural-disasters/floods/northern-nsw-resilience-initiative).

The Senior Lecturer will be closely aligned with the new Australian Research Council (ARC) Centre of Excellence for Indigenous and Environmental Histories and Futures. The Centre expects to make a legacy contribution by developing complementary Indigenous and Western knowledge frameworks for modelling environmental, cultural, and historical change in Australia over the last millennium and into the future.

**KEY ACCOUNTABILITY AREAS:**

**Position Dimension and Relationships:**
The Senior Lecturer will be a member of ANU Institute for Climate, Energy & Disaster Solutions (ICEDS), the ANU School of Culture, History and Language, and CSIRO Environment, accountable to the Head of Disaster Solutions. The Senior Lecturer will be expected to work collegially, leading by example to develop and maintain effective, productive and beneficial workplace relationships within the all-academic and professional School and College staff, students and honorary appointees, as well as with industry stakeholders. This position will also have a mentoring role for students and will engage in collegial and productive collaborations with local, national and where possible, international colleagues.

**Role Statement:**
In their role as an Academic Level C the Senior Lecturer is expected to:

- Undertake and publish independent and collaborative research to contribute to the ANU NEMA-funded initiative - Partnering with local communities in regional Australia to increase resilience to flood risk and the CSIRO Northern Rivers Resilience Initiative, and to the research in local Indigenous catchment cultural values, and Indigenous knowledge for flood mitigation and effectiveness in the Richmond River Catchment in the NSW Northern Rivers region.
- Engage with Indigenous Elders, Indigenous communities and Land Councils, to understand their values, needs and perspectives. By co-designing research with Indigenous partners, Indigenous knowledges will reframe understanding of solutions to flood mitigation (with appropriate consideration to indigenous cultural values).
- Participate in project meetings including presenting results and contributing to writing project reports.
- Present research at academic seminars at national and international conferences and collaborate with other researchers at a national and international level.
- Actively contribute to required aspects of the operation of CSIRO, ICEDS and CHL, and spend time with the CSIRO team at Black Mountain.
• Assist in outreach activities including to prospective students, research institutes, industry, government, the media and the general public.
• Maintain high academic standards in all education, research and administration endeavours.
• Supervise students working on individual or group projects relevant to the NEMA Floods Initiative at undergraduate, honours, graduate-coursework levels.
• Lead, supervise and develop less senior academic and research support staff in your research area.
• Seek and secure external funding including the preparation and submission of research proposals to external funding bodies where appropriate.
• A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context.
• Other duties as required that are consistent with the classification of the position.
• Comply with all ANU policies and procedures, and in particular those relating to work health and safety and equal opportunity

Skill Base:
A Level C academic will make a significant contribution to the discipline at the national level. In research and/or scholarship and/or teaching they will make original contributions, which expand knowledge or practice in their discipline.

A Level C academic will normally make a significant contribution to research and/or scholarship and/or teaching and administration activities of an organisational unit or an interdisciplinary area at undergraduate, honours and postgraduate level. The academic will normally play a major role or provide a significant degree of leadership in scholarly, research and/or professional activities relevant to the profession, discipline and/or community and may be required to perform the full academic responsibilities of and related administration for the coordination of a large award program or a number of smaller award programs of the institution.

SELECTION CRITERIA:
• A PhD (or awarding of a PhD within six months of appointment commencement) in one of the disciplines represented in our key programs in the School of Culture, History and Language, which include Anthropology, Archaeology and Natural History, or equivalent qualifications and experience in a related area such as Geography, Social Sciences or Environmental Sciences, with a track record of independent research as evidenced by publications in peer-reviewed journals, presentations at conferences, and / or equivalent professional activity such as consultancy or policy work.
• Experience in liaising and collaborating with external partners, ideally Indigenous communities and Land Councils.
• A demonstrated proficiency in one or more Indigenous Australian languages is desirable, but not essential.
• Excellent oral and written English language skills and a demonstrated ability to communicate and interact effectively with a variety of staff and students in a cross-disciplinary academic environment and to foster respectful and productive working relationships with staff, students and colleagues at all levels.
• An ability and commitment to contribute to bids for competitive external funding to support individual and collaborative research activities.
• A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context.

The ANU conducts background checks on potential employees, and employment in this position is conditional on satisfactory results in accordance with the Background Checking Procedure which sets out the types of checks required by each type of position.

Supervisor/Delegate Name: Dr Roslyn Prinsley Date: June 2023

References:
Academic Minimum Standards
Pre-Employment Work Environment Report

Position Details

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<th>College of Science</th>
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<td>Classification</td>
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In accordance with the Work Health and Safety Act 2011 (Cth) the University has a primary duty of care, so far as reasonably practicable, to ensure the health and safety of all staff while they are at work in the University.

- This form must be completed by the supervisor of the advertised position and appended to the back of the Position Description.
- This form is used to advise potential applicants of work environment and health and safety hazards prior to application.
- Once an applicant has been selected for the position they must familiarise themselves with the University WHS Management System via Handbook guidance [https://services.anu.edu.au/human-resources/health-safety/whs-management-system-handbook](https://services.anu.edu.au/human-resources/health-safety/whs-management-system-handbook)
- The hazards identified below are of generic nature in relation to the position. It is not correlated directly to training required for the specific staff to be engaged. Identification of individual WHS training needs must be in accordance with WHS Local Training Plan and through the WHS induction programs and Performance Development Review Process.

Potential Hazards

- Please indicate whether the duties associated with appointment will result in exposure to any of the following potential hazards, either as a regular or occasional part of the duties.

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<td><strong>Date:</strong></td>
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