

Position Description

College/Division:	ANU College of Science
Faculty/School/Centre:	Fenner School of Environment and Society
Department/Unit:	Institute for Water Futures
Position Title:	Fellow
Classification:	Academic Level C
Position No:	TBC
Responsible to:	Associate Professor Lorrae van Kerkhoff and Professor Tony Jakeman
Number of positions that report to this role:	
Delegation(s) Assigned:	

PURPOSE STATEMENT:

The Australian National University (ANU) made a major and on-going investment in water research through its National Institute Grant to establish the Institute for Water Futures (IWF). The IWF brings together researchers in 10 water related positions from across sciences, social sciences, humanities and public policy within the ANU and has established research partnerships with state and federal water agencies, such as Commonwealth Scientific and Industrial Research Organisation (CSIRO), Murray Darling Basin Authority (MDBA), and other research organisations. The IWF mission is to support sustainable water futures and to identify transformative, innovative and robust strategies to resolve the water challenges of today and tomorrow.

This position is located in the Fenner School of Environment and Society.

The Fellow is expected to undertake work in all three areas of academic activity – research, education and service (including outreach). The allocation of time to each area will be discussed with the position supervisor annually and be reflective of the appointees research agenda, school and interdisciplinary teaching requirements and leadership opportunities within the School environment. The Fellow may also be required to supervise or mentor less senior staff, and undertake leadership roles as applicable. The staff member will contribute cooperatively to the overall intellectual life of the School, College and University.

POSITION DIMENSION AND RELATIONSHIPS:

The Fellow will be a member of the Institute for Water Futures working within the Fenner School of Environment and Society, accountable to the Director of the Institute for Water Futures, Associate Professor Lorrae van Kerkhoff and Professor Tony Jakeman. The 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 C the Fellow is expected to:

1. Undertake independent research in the area of model-based integrated assessment and decision support for socio-environmental systems issues with a view to publishing original and innovative results in refereed journals, present research at academic seminars and at national and international conferences, and collaborate with other researchers at a national and/or international level.
2. Actively seek and secure external funding including the preparation and submission of research proposals to external funding bodies.
3. Contribute to the teaching activities of the School at the undergraduate and graduate levels. This includes, but is not limited to, the preparation and delivery of lectures and tutorials, the preparation of online material, marking and assessment, consultations with students, acting as subject coordinators and the initiation and development of course/subject material.
4. Supervise students working on individual or group projects at undergraduate, honours, graduate-coursework levels. Supervision of research students.
5. Supervise Postdoctoral Fellow's and research support staff in your research area.
6. Actively contribute to all aspects of the operation of the School. This may include representation through committee memberships.

7. Assist in outreach activities including to prospective students, research institutes, industry, government, the media and the general public.
8. Maintain high academic standards in all education, research and administration endeavours.
9. Take responsibility for their own workplace health and safety and not willfully place at risk the health and safety of another person in the workplace.
10. A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context.
11. Other duties as required that are consistent with the classification of the position.

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

1. A PhD in modelling and decision support of environmental systems is highly desired, with a track record of independent research in the field of model-based integrated assessment. Demonstrated expertise in one or more of the following areas will be highly valued; water justice, water economics, water modelling, environmental valuation, risk, and resilience, as evidenced by publications in peer-reviewed journals and conferences, a record of developing and maintaining collaborations and by other measures such as awards, and invitations to present at conferences.
2. A track record of articulating and prosecuting innovative research in the field of understanding complex interactions among physical-social-economic systems including water resource systems, participatory modelling, knowledge elicitation and mental modelling, action research, stakeholder engagement methods, decision analysis, learning methods such as simulation models and games and a vision for the activities they will undertake at the ANU.
3. A record of winning bids for competitive external funding to support individual and collaborative research activities.
4. Evidence of effective teaching at all levels and of the ability to contribute to setting the education agenda of the School in the area of natural resource management.
5. A track record of successfully supervising and graduating high quality PhD/Masters research students.
6. Demonstrated ability to lead and work as part of a team, significantly contributing to team management and a demonstrated ability to meet deadlines.
7. 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.
8. A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context.

Delegate Signature:		Date:	23/09/19
Printed Name:	Professor Tony Jakeman	Position:	

References:

[Academic Minimum Standards](#)

Pre-Employment Work Environment Report

Position Details

College/Div/Centre	College of Science	Dept/School/Section	Fenner School of Environment and Society
Position Title	Fellow	Classification	Academic Level C
Position No.	TBC	Reference No.	

In accordance with the Work Health and Safety Act 2011 (Cth) the University has a duty to provide a safe workplace.

- This form must be completed by the Supervisor of the advertised position and forwarded with the job requisition to Recruitment and Appointments Branch, Human Resources Division. Without this form jobs cannot be advertised.
- This form is used to advise potential applicants of work environment hazards prior to application.
- Once an applicant has been selected for the position consideration should be given to their inclusion on the University's Health Surveillance Program where appropriate – see [Health Surveillance Procedure](#)
- Enrolment on relevant Work, Health and Safety (WHS) training courses should also be arranged – see [WHS Training & Induction](#)
- Consideration should be given as to whether 'Regular' hazards identified below should be listed as 'Essential' in the Selection Criteria

Potential Hazards

<ul style="list-style-type: none"> • 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. 						
TASK	regular	occasional		TASK	regular	occasional
keyboarding	<input type="checkbox"/>	<input type="checkbox"/>		laboratory work	<input type="checkbox"/>	<input type="checkbox"/>
lifting, manual handling	<input type="checkbox"/>	<input type="checkbox"/>		work at heights	<input type="checkbox"/>	<input type="checkbox"/>
repetitive manual tasks	<input type="checkbox"/>	<input type="checkbox"/>		work in confined spaces	<input type="checkbox"/>	<input type="checkbox"/>
catering / food preparation	<input type="checkbox"/>	<input type="checkbox"/>		noise / vibration	<input type="checkbox"/>	<input type="checkbox"/>
fieldwork & travel	<input type="checkbox"/>	<input type="checkbox"/>		electricity	<input type="checkbox"/>	<input type="checkbox"/>
driving a vehicle	<input type="checkbox"/>	<input type="checkbox"/>				
NON-IONIZING RADIATION				IONIZING RADIATION		
solar	<input type="checkbox"/>	<input type="checkbox"/>		gamma, x-rays	<input type="checkbox"/>	<input type="checkbox"/>
ultraviolet	<input type="checkbox"/>	<input type="checkbox"/>		beta particles	<input type="checkbox"/>	<input type="checkbox"/>
infra-red	<input type="checkbox"/>	<input type="checkbox"/>		nuclear particles	<input type="checkbox"/>	<input type="checkbox"/>
laser	<input type="checkbox"/>	<input type="checkbox"/>				
radio frequency	<input type="checkbox"/>	<input type="checkbox"/>				
CHEMICALS				BIOLOGICAL MATERIALS		
hazardous substances	<input type="checkbox"/>	<input type="checkbox"/>		microbiological materials	<input type="checkbox"/>	<input type="checkbox"/>
allergens	<input type="checkbox"/>	<input type="checkbox"/>		potential biological allergens	<input type="checkbox"/>	<input type="checkbox"/>
cytotoxics	<input type="checkbox"/>	<input type="checkbox"/>		laboratory animals or insects	<input type="checkbox"/>	<input type="checkbox"/>
mutagens/teratogens/carcinogens	<input type="checkbox"/>	<input type="checkbox"/>		clinical specimens, including blood	<input type="checkbox"/>	<input type="checkbox"/>
pesticides / herbicides	<input type="checkbox"/>	<input type="checkbox"/>		genetically-manipulated specimens	<input type="checkbox"/>	<input type="checkbox"/>
				immunisations	<input type="checkbox"/>	<input type="checkbox"/>
OTHER POTENTIAL HAZARDS (please specify):						

Supervisor's Signature:		Print Name:	Professor Tony Jakeman	Date:	23/09/19
--------------------------------	--	--------------------	------------------------	--------------	----------