



1. Brief CV Current Position

Professor in Ecology and Evolution, [School of Life and Environmental Sciences](#), University of Sydney
 Lead PI [Desert Ecology Research Group](#) (DERG) - glenda.wardle@sydney.edu.au @desert_ecology

Research interests

Dynamics of populations, species and ecological interaction and ecosystems, and applications to the conservation and management of ecosystems, particularly deserts. Planetary Health.

Education and Awards

2015	International Association for Public Participation-Australasia's Core Value Awards Environment category, Highly Commended for Ecosystem Science Long Term Plan.
2014	Ecological Society of Australia Members Service Award
2011	Vice Chancellors Award for Excellence in Research Higher Degree Supervision
1995	PhD in Evolutionary Biology and MS (1992) University of Chicago
1985	MSc (H1) in Ecology and BSc Botany (1981) University of Auckland

Professional experience and Leadership (selected from last 10 years)

2015 – 2018	Chair, Ecosystem Science Council
2017 – Present	Australian Council of Environmental Deans and Directors (ACEDD)
2017 – Present	Chair, Science Advisory Committee AusEcoModels project
2014 – Present	Founder and Steering Committee, Global Plant Demography Project, PlantPopNet
2014 – Present	International Science Advisory Board for global demography projects : COMPADRE Plant Matrix Database & COMADRE Animal Matrix Database
2014 – 2017	Steering Committees for AusPlots, (TERN); eMAST and ÆKOS (TERN)
2013 – 2014	Steering Committee, Ecosystem Science Long Term Plan
2008 – 2013	Vice President-Research, Ecological Society of Australia
2008 – 2013	Chair, Selection Panel, Australian Ecology Research Award

Editor: *Rangeland Ecology* (5 yrs), *Plant Ecology* (7 yrs), *Austral Ecology* (10 yrs), *ESA Hot Topics* (7 yrs)

Reviewer: International and national journals (>20), External examiner (10), Grants ARC, NSF, OEH.

Professional Societies: Australian Network for Plant Conservation, American Geophysical Union. British Ecological Association, Ecological Society of America (ESA), Ecological Society of Australia, (ESA), ILTER, INTECOL, Rangeland Society, Society for Conservation Biology.

Research achievements (summary)

Competitive funding: (Total \$5.9 Million) ARC Discovery Projects (2004-14; 2018-20); NCRIS (2012-18)

Communication: 26 invited talks (United States, Canada, Europe, NZ and Australia)
 Over 110 contributed papers and 28 invited symposium talks at meetings of the Ecological Society of America, INTECOL, Society for the Study of Evolution, and the Ecological Society of Australia.

Publications: 100 peer-reviewed papers and book chapters plus 20 datasets. Highly cited papers (2). [Research Gate](#) score 35.55 (26/10/18); Google Scholar H-Index 25, 2397 citations

Invitations: 28 international and national fully-funded workshops

Research supervision and mentoring: Postdoctoral advisees: (9), Research students: 17 completed and 2 current, 29 honours completed.

Awards and academic prizes for my students: University medals (4), Academic Prizes (11), Prestigious fellowships (7), and Grants (11).

Synergistic activities (selected from last 10 years)

Research extension - Public symposium entitled, 'Renaissance in the Desert' in Melbourne on 27 May 2009.

Expert advice to land managers - (e.g. Bush Heritage Australia, NSW Office of Environment and Heritage).

Expert advice to government policy workshops - (e.g. CSIRO-DEWHA-DCC Climate change impacts on Hummock Grasslands Science, Essential Environmental Variables, Native Vegetation Committee, DoEE AusEcoModels, DoEE TSH Threatened Species Index).

Expert advice on monitoring frameworks – e.g. Terrestrial Ecosystem Research Network (TERN) Rangeland Monitoring, April 2009, TERN Eco-Informatics June 2009, NERP Faunal protocols.

2. Statement of motivation for serving on the Council and capacity for the role

Motivation

I am deeply committed to the vision that ecosystem science is fundamental to the prosperity and wellbeing of Australia, and its place in the world. Without a vibrant and well-resourced ecosystem science community we will fall short in our goal to sensibly manage our natural and productive ecosystems. Currently, the resources provided to generate the scientific knowledge of how Australian ecosystems function and persist is limited, fragmented, and of relatively short duration. This creates severe problems in solving the considerable environmental challenges we face and exacerbates the risks to the livelihoods of people, conservation of biodiversity and to sustaining vital ecosystem functions.

Now is the time to act. Beginning with extensive consultation, the ecosystem science community identified a common purpose and developed an effective structure for achieving the goals embedded in the six key directions in the *Foundations for the future: a long-term plan for Australian ecosystem science*. Over the last four years I have worked with Council to translate this vision into action. Progress has been made on the key directions, and the influence of Council is gaining momentum, but there is a long way to go. I have been persuaded to renominate to assist with steering the work of Council to greater levels of achievement.

The work of Council on behalf of the ecosystem science community is about building a community of the willing – scientists, land managers, policy makers – all working towards a sustainable future with input from ecological economists, environmental regulators, and policy makers who understand the need for environmental and social justice, in short regular folk who want to give everybody the opportunity to lead good lives and leave the planet in a suitable state for future generations.

I remain an enthusiastic champion for ecosystem science, with the goal of raising the profile of ecosystem and environmental sciences as innovative, productive and exciting disciplines that have much to offer Australia.

Why I am suited to the role – Leadership, vision, skills and dedication

I have a proven record in leadership, networking and consultation with the ecosystem science community necessary for the work of Council. In particular, I bring extensive national leadership in science through my role as elected Chair of the Ecosystem Science Council (2015–2018), founder and member of Ecosystem Science Long Term Plan Steering Group (2013–2015), and elected Vice-President-Research for Ecological Society (2008–2013). I understand the responsibilities of Council membership and bring skills in clear communication, planning, consultation, governance, development of policy and procedures, writing of annual reports, business plans and implementation of social media campaigns to the role.

My leadership style is inclusive and collaborative, bringing out the best in other people so that science can benefit everyone, not just the privileged. As a mentor of vast numbers of early to mid-career researchers I am a patient listener, and respectful of two-way communication and diverse cultural perspectives. I will work to ensure a productive future for our best and brightest and will be guided by open consultation via my extensive professional networks to find out the concerns and challenges they are facing. I will pitch these ideas across industry, government and NGO sectors and advocate for action and outcomes to benefit the ecosystem science community.

I am highly committed to enabling the translation of science evidence from the disciplines of ecology and ecosystem science directly to policy. For example, I have provided expert knowledge to several Australian Government programs, including Chair of the AusEcoModels Scientific Advisory Committee, Essential Environmental Measures program, Native Vegetation Measures Working Group, and the Regional Land Partnerships Long-term monitoring framework. I have contributed to State government programs such as the NSW Saving our Species program, Restore and Renew program, and the Biodiversity Indicator Program. Internationally, I help to steer collaborative research platforms in population biology (PlantPopNet and COMPADRE) and previously served on the national advising groups for the Terrestrial Ecosystem Research Network (TERN) facilities: AusPlots, eMast and EcolInformatics.

I am experienced at engaging with a broad range of stakeholders. My knowledge and engagement with land managers is evident from my consultative work with Bush Heritage Australia, and invitations to expert panels informing government policy on rangelands and conserving flora and fauna. I work with citizen science groups

such as ClimateWatch and was elected to the Steering Committee for the Friends of Lord Howe Island to contribute to the conservation efforts at this World Heritage Listed site. More recently I have developed networks in Ecological Economics, Planetary Health, Citizen Science and Data Science, each relevant to translating the aspirations in Foundations for the Future into concrete outcomes.

My dedication to working at the national level is clear from the award I received in 2014 for service to the Ecological Society of Australia. If elected, I would enjoy continuing to work with a broad range of scientists and practitioners to deliver on the key directions in the *Foundations for the future: a long-term plan for Australian ecosystem science*.

3. Signed statement indicating subscription to the principles, and ideals of the Council and required commitment

I contributed to the development of the Terms of Reference for the Ecosystem Science Council, and as a current serving member of Council I am highly familiar with the ideals, principles and purpose outlined for the successful operation of the Council.

I am therefore confident in declaring my commitment to its ideals, principles and intended purpose. I will endeavour to actively engage with the work of the Council at the necessary level of commitment and energy. I consider this investment of my time to be for the benefit of the broader ecosystem science community.

If elected, I look forward to working with Council to continue the implementation of the key directions in the *Foundations for the future: a long-term plan for Australian Ecosystem Science*.

Thank you for considering my re-nomination.

Yours truly,



Glenda Wardle