Curriculum Vitae

**Alice Wendy RUSSELL**

Director, Double Arrow Consulting

email: wendy@doublearrowconsulting.com.au, Ph : 0419 987 855

web: www.doublearrowconsulting.com.au

Postal address: Double Arrow Consulting, PO Box 5172, Braddon, ACT 2612

# Summary

Dr Wendy Russell’s diverse background in academia (biophysical and social sciences), policy and practice is reflected in her broad, flexible and integrative knowledge and skills. She works to connect people, information and ideas across boundaries and facilitates two-way dialogue and deliberation. She is passionate about facilitating connection and integration to maximise the social and environmental value of research, policy and innovation.

# Areas of expertise

Science dialogue and deliberation

Community and stakeholder engagement

Deliberative democracy & democratic innovation

Research Impact Assessment

Social research

Workshop design and facilitation

Tertiary teaching and training

Transdisciplinarity

# Qualifications & training

Doctor of Philosophy  
University of Qld, 1997

Bachelor of Science, Hon I (Botany)  
University of Qld, 1991

Intern’al School Research Impact Assessment, 2016  
Certificate IV in Training and Assessment, 2014  
Australasian Certificate in Engagement, 2014  
Training in Facilitation (2012, 2013, 2014)  
Certificate in Effective Public Participation, 2010  
Training in Science writing & editing, 2007

# Awards:

International Association for Public Participation (IAP2) Core Values Regional (ACT) Award, 2013; International Association for Public Participation (IAP2) Core Values Regional (ACT) and Project of the Year National Awards, 2011 (as project manager)

Citation for Outstanding Contribution to Student Learning, The Carrick Institute for Learning and Teaching in Higher Education, Australia, 2006; Outstanding Contribution to Teaching and Learning Faculty Award, University of Wollongong, 2006; Award for Outstanding Achievement in Education, Australian College of Education, 2001

Science and Innovation Award for Young People, Commonwealth Department of Agriculture, Fisheries and Forestry, NSW award, 2003

Young Biophysicist Award, Australian Biophysics Society, 1995

Young Endeavour Science Award (Federal Government), 1992

# Affiliations and professional activities

Visiting Fellow & sessional academic, National Centre for Public Awareness of Science, ANU, since 2012

Associate, Centre for Deliberative Democracy & Global Governance, University of Canberra, since 2013

International Association for Public Participation, member since 2010; ACT Coordinator, 2013 – 2016

# Employment History:

|  |  |
| --- | --- |
| Aug 2013 – present  2010 - 2013 | Director and Principal Consultant, Double Arrow Consulting  Part-time Project Officer, National Enabling Technologies Strategy – Public Awareness and Community Engagement section, Commonwealth Department of Industry, Innovation, Science, Research and Tertiary Education (DIISRTE, formally DIISR) |
|  | Maternity Leave |
| 2007 - 2008 | Senior Lecturer, School of Biological Sciences, University of Wollongong |
| 2000 - 2007 | Lecturer, Biological Sciences Department, University of Wollongong |
| 1996 – 2000 | Associate Lecturer, Biological Sciences Department, University of Wollongong |

# Education:

PhD - Botany Department, The University of Queensland (awarded 1997)   
 Thesis title: Rapid Turnover of the PSII D1 Protein in Leaves. Fatal flaw or molecular switch?

B.Sc. Hons 1st class - Botany, The University of Queensland (awarded 1991)

B. Sc. – The University of Queensland, Biochemistry major (awarded 1989)

# Consultancy Work

QUT Advanced Biotechnology Engagement workshop design and facilitation, 2017

Plant Biosecurity CRC social research evaluation, 2017

Centre for Biodiversity Analysis research-policy workshop, 2016

North Central (Victoria) Catchment Management Authority community engagement workshop, 2014

Office of the Gene Technology Regulator communication and engagement strategy, 2014

# Research grants:

New Democracy Foundation research grant, 2016, Decisiveness, impact and influence of deliberative democracy processes: is there a simple relationship?, $24 000

ARC Discovery grant, 2006-2008, F. Vanclay, A.W. Russell & H. Aslin, Managing innovation with a policy-relevant framework to assess the social consequences of technological developments, $154 000

ARC small grant, 1999, A.W. Russell, Stoianoff, N, & Mitchell, G. The shaping of policy and innovation in agricultural biotechnology in Australia, $5500

# Refereed Publications (highly cited indicated):

1. N. Marks and A.W. Russell (2015) Public engagement in biosciences and biotechnologies: Reflections on the role of sociology and STS. *Journal of Sociology* 51 (1): 97-115
2. A.W.Russell (2013) Improving Legitimacy in Nanotechnology Policy Development through Stakeholder and Community Engagement: Forging New Pathways, *Review of Policy Research,* 30 (5):566-587
3. F. Vanclay, A.W. Russell and J. Kimber (2013) Enhancing innovation in agriculture at the policy level: The potential contribution of Technology Assessment. *Land Use Policy* 31: 406-411
4. A.W. Russell, F. Vanclay, J. Salisbury and H. Aslin (2011) Technology assessment in Australia: The case for a formal agency to improve advice to policy makers. *Policy Sciences* 44: 157-177
5. A.W. Russell, F. Vanclay, H. Aslin, (2010) Technology Assessment in Social Context: The case for a new framework for assessing and shaping technological developments. *Impact Assessment and Project Appraisal* 28 (2): 109 – 14
6. A.W. Russell, F. Wickson and A.L Carew (2008) Transdisciplinarity: context, contradictions and capacity. *Futures* 40 (5): 460-472  
   50 cites (Web of Science, Mar 2017)
7. A.W. Russell, S. Dolnicar and M. Ayoub (2008) Double degrees: double the trouble or twice the return? *Higher Education* 55 (5): 575–591
8. A.W. Russell and Robert Sparrow (2008) The case for regulating intragenic GMOs. *Journal of Agricultural and Environmental Ethics* 21 (2): 153-181
9. A.W. Russell (2008) GMOs and their contexts: a comparison of potential and actual performance of GM crops in a local agricultural setting. *Geoforum* 39 (1): 213-222
10. F. Wickson, A.L Carew and A.W. Russell (2006) Transdisciplinary Research: characteristics, quandaries and quality. *Futures* 38 (9): 1046-1059  
    135 cites (Web of Science, Mar 2017)
11. A.W. Russell (2005) No academic borders? Transdisciplinarity in university teaching and research. *Australian Universities Review* 48 (1) 35-41
12. A.W. Russell, Netherwood, G.M.A. and Robinson, S.A. (2004) Photosynthesis in silico. Overcoming the challenges of photosynthesis education using a multimedia CD-ROM. *Bioscience Education E-Journal* 3, 3-8 (<http://bio.ltsn.ac.uk/journal/vol3/beej-3-8.htm>)
13. A.W. Russell (2003) Use of the Triple Bottom Line Framework in Evaluating Social Changes Associated with the Adoption of Genetically Modified Crops in Australia. In: Pritchard, B., Curtis, A., Spriggs, J. & Le Heron, R. *Social Dimensions of the Triple Bottom Line in Rural Australia*. Bureau of Rural Sciences, Canberra, pp 195-208
14. Hampton, G., Skillen, J., Russell, W., Robinson, S., Rodgerson, L. & Trivett, N. (2003) Integrating Tertiary Literacy into the Curriculum: Effects on Performance and Retention. *Proceedings of the Uniserve Improving Learning Outcomes through Flexible Science Teaching Symposium*, pp 25-30
15. A.W. Russell (2001) Gene Technology in R&D Provision to the Australian Sugar Industry: Sweetening up Public Research? *Rural Society* 11 (3): 163-180
16. U. Schiefthaler, A.W. Russell, C. Critchley and H.R. Bolhàr-Nordenkampf (1999) Photoregulation and photodamage in Schefflera arboricola leaves adapted to different light environments. *Australian Journal of Plant Physiology* 26 (5): 485-494
17. C. Critchley, A.W. Russell, & B.C. Morrison (1999) Photoinhibition of photosystem II in leaves: stress, acclimation or regulatory response? In M. Pessarakli (ed.) *Handbook of Plant and Crop Stress*. Marcel Dekker, Inc., New York
18. S.A.Robinson and A.W.Russell (1998) Development of the photosynthetic apparatus in Australian rainforest leaves. In Garab, G (Ed.) *Photosynthesis - Mechanisms and Effects*, pp 3991-3994, Budapest, Hungary
19. A.W. Russell, C. Critchley, S.A. Robinson, L.A. Franklin, G.G.R. Seaton, W.S. Chow, J.M. Anderson & C.B. Osmond (1995) Photosystem II regulation and dynamics of the chloroplast D1 protein in Arabidopsis leaves during photosynthesis and photoinhibition. *Plant Physiology* 107: 943-952  
    105 cites (Web of Science, Nov 2014)
20. C. Critchley & A.W. Russell (1994) Minireview: Photoinhibition of photosynthesis in vivo: the role of protein turnover in photosystem II. *Physiologia Plantarum* 92: 188-196  
    119 cites (Web of Science, Nov 2014)
21. A.J. Syme, H.R.Bolhàr-Nordenkampf, A.W.Russell and C. Critchley (1992) Light-induced D1 protein - degradation and photosynthesis in sun and shade leaves. *Photosynthesis Research* 34 (1): 223-223
22. C. Critchley, A.W.Russell, & H.R.Bolhàr-Nordenkampf (1992) Rapid protein turnover in photosystem II - fundamental flaw or regulatory mechanism? *Photosynthetica* 27: 183-190
23. C. Critchley & A.W. Russell (1992) Maximising light interception: The role of chloroplast disposition in cells and thylakoid membrane architecture. In Y.P.Abrol, P. Mohanty, Govindjee (eds.) *Photosynthesis. Photo reactions to Plant Productivity*, pp 257-278, Oxford & IBH Publishing, New Delhi.

## Other publications:

A.W Russell (2017) Research Report: The macro-impacts of citizen deliberation processes. NewDemocracy Foundation. Published online Apr 2017

Wendy Russell (2016) Citizens’ jury fuel for SA government decision on nuclear.The Mandarin, 6 Feb 2017

Wendy Russell (2016) Citizens juries: how do they fit into democracy? The Mandarin, 12 Oct 2016

W. Russell (2004) Study into community impact of GM cotton. *Narrabri Courier*, Thurs, 29 July, 2004

A.W. Russell (1999) Letting the gene out of the bottle. Opposing views on the debate on transgenic food. *Australasian Science*, May 1999, p28-31

# Postgraduate supervision:

Principal Supervisor, Fern Wickson, (Aus regulation of GM crops, Cross-Faculty, UoW, 2002 – 2006)

Panel member, Tangyao Zhang (GM food politics in China, CPAS, 2015 - ); Cobi Smith (Public engagement in science, CPAS, 2016); Ruth O’Connor (Decision-maker engagement with science, CPAS, 2016 - ), Julie Kimber (social assessment food technologies, UTas, 2006 – 2010)