DR LUCIE BLAND

EMPLOYMENT

2017	Research Fellow in Ecosystem Risk Assessment, Deakin University, Australia
2014–17	Research Associate in Ecosystem Risk Assessment, University of Melbourne, Australia
2012	Human Resources Business Analyst, Hiscox Insurance, London, UK

EDUCATION

2010–14	PhD, Department of Life Sciences, Imperial College London, UK
2013	Certificate in Narrative Non-Fiction, City University of London, UK
2007–10	BA (Hons) First Class, Biological Sciences, University of Oxford, UK

AWARDS

2017	Finalist in Impact7 National Science Impact competition
2017	Finalist in Young Victorian Achiever Award (Research Impact)
2015	Eureka Award for Environmental Research (as part of a team)
2013	1st prize for presentation, Student Conference for Conservation Science
2013	3rd prize for student presentation, International Congress for Conservation Biology
2008	St Hilda's College Scholar, University of Oxford

PEER-REVIEWED PUBLICATIONS

I have authored 15 academic papers cited 242 times since 2012, including eight first-authored papers. My manuscripts have all been published in Quarter 1 Scimago journals, and one of my PhD manuscripts was in the top 1% cited in Ecology and Environment in 2016.

1. **Bland, L. M.**, Rowland, J., Keith, D. A., Lester, R. E., Linn, M., Regan, T., Rodrigues, J. P., and Nicholson, E. Defining ecosystem collapse for risk assessment, *Frontiers in Ecology and the Environment* (in press). **[Impact Factor: 8.5]**
2. Murray, N., Keith, D., **Bland, L.**, Ferrari, R., Pettorelli, N., Lyons, M., Lucas, R., Zager, I., and Nicholson, E. A review of satellite remote sensing for structured assessments of ecosystem status, *Science of the Total Environment*. **[Impact Factor: 4.9]**
3. **Bland, L. M.**, Regan, T. J., Dinh, M. N., Ferrari, R., Keith, D. A., Lester, R., Mouillot, D., Murray, N. J., Nguyen, H. A., and Nicholson, E. (2017) Using multiple lines of evidence to assess the risk of ecosystem collapse, *Proceedings of the Royal Society: B*, 284:1863, 20170660. **[Impact Factor: 4.9]**
4. **Bland, L. M.** (2017) Global correlates of extinction risk in freshwater crayfish, *Animal Conservation* (early view). **[Impact Factor 2.8]**
5. Pettorelli, N., Schulte to Buhne, H., Tulloch, A., Dubois, G., Macinnis-Ng, C., Queirós, A., Keith, D., Wegmann, M., Schrodt, F., Stellmes, M., Sonnenschein, R., Geller, G., Roy, S., Somers,

B., Murray, N. **Bland, L.**, Geijzendorffer, I., Kerr, J., Broszeit, S., Leitão, P., Duncan, C. El Serafy, G., He, K., Blanchard, J., Lucas, R., Mairota, P. Webb, T., and Nicholson, E. (2017) Satellite remote sensing of ecosystem functions: opportunities, challenges and way forward, *Remote Sensing in Ecology and Conservation* (early view) **[Impact Factor: NA]**.

6. Darrah, S., **Bland, L. M.**, Bachman, S. P., Clubbe, C., and Trias Blasi, A. (2017) Using coarse-scale species distribution data to predict extinction risk in plants, *Diversity and Distributions*, 23:4, 435-447. **[Impact Factor 4.6]**
7. Murray, N., Keith, D. A., **Bland, L. M.**, Nicholson, E., Regan, T. J., Rodriguez, J. P., and Bedward, M. (2017) The use of range size to assess risks to biodiversity from stochastic threats, *Diversity and Distributions*, 1-10 (early view). **[Impact Factor 4.6, 2 citations]**
8. **Bland, L. M.,** Bielby, J., Kearney, S., Orme, C. D. L., Watson, J. E. M., and Collen, B (2017). Towards reassessing Data Deficient species, *Conservation Biology*, 31:3, 531-539. **[Impact Factor 4.3, 5 citations]**
9. **Bland, L. M.** and Böhm, M. (2016) Overcoming data deficiency in reptiles, *Biological Conservation*, 204, 16-22. **[Impact Factor 3.9, 9 citations]**
10. Böhm, M., Williams, R., Bramhall, H., McMillan, K., Davidson, A., Garcia, A, **Bland, L. M.**, Bielby, J., Purvis, A. and Collen. B. (2016) Correlates of extinction risk in squamate reptiles: the relative importance of biology, geography and threat, *Global Ecology and Biogeography*, 25, 391-405. **[Impact Factor 5.8, 20 citations]**
11. **Bland, L. M.**, Collen, B., Nicholson, E., Orme, C. D. L., Bielby, J, and Mc Carthy, M. (2015) Cost-effective assessment of extinction risk with limited information, *Journal of Applied Ecology,* 52:4, 861-870. **[Impact Factor 5.2, 14 citations]**
12. Rodríguez, J. P., Keith, D. A., Rodríguez-Clark, K. A., Murray, N. J., Nicholson, E., Regan, T. J., Miller, R. M., Barrow, E. G., **Bland, L. M.**, Boe, K., Brooks, T. M., Oliveira-Miranda, M. A., Spalding, M., and Wit, P. (2015) A practical guide to the application of the IUCN Red List of Ecosystems criteria, *Philosophical Transactions of the Royal Society: Series B,* 370, 1664. **[Impact Factor 5.9, 36 citations]**
13. **Bland, L. M.**, Collen, B., Orme, C. D. L. and Bielby, J. (2015) Predicting the conservation status of Data Deficient species*, Conservation Biology*, 29:1, 250-259. **Highly cited in the field of Environment/Ecology (Web of Science) [Impact Factor 4.3, 56 citations]**
14. Keith, D. A., Rodríguez, J. P., Brooks, T. M., Burgman, M. A., Barrow, E. G., **Bland, L. M.**, Comer, P. J., Franklin, J., Link, J., McCarthy, M. A., Miller, R. M., Murray, N. J., Nel, J., Nicholson, E., Olivera-Miranda, M. A., Regan, T. J., Rodríguez-Clark, K. M., Rouget, M., and Spalding, M. D. (2015) The IUCN red list of ecosystems: Motivations, challenges and applications, *Conservation Letters*, 8:3, 214-226. **[Impact Factor 7.1, 36 citations]**
15. **Bland, L. M.**, Collen, B., Orme, C. D. L. and Bielby, J. (2012) Data uncertainty and the selectivity of extinction risk in freshwater invertebrates, *Diversity & Distributions*, 18:12, 1211-1220. **[Impact Factor 4.6, 24 citations]**

SUBMITTED PUBLICATIONS

16. Rowland, J., Nicholson, E., Murray, N., Keith, D., Lester, R., and **Bland,** L. Selecting and applying indicators of ecosystem collapse in risk assessments, *Conservation Biology* (submitted October 2017).
17. Driscoll, D., Ritchie, E., Doherty, D., **Bland, L.**, Nicholson, E., Newsome, T., and Bryan, B. Advancing conservation indicators using a biodiversity-crisis hierarchy, *Nature Ecology and Evolution* (submitted September 2017).

18. **Bland, L. M.**, Watermeyer, K. E., Keith, D. A., Nicholson, E., Regan, T. J., and Shannon, L. J. Assessing risks to marine ecosystems with indicators, ecosystem models and experts, *Biological Conservation* (submitted September 2017).
19. Marshall, A., **Bland, L.**, Schulte Tobuhne, H., and Pettorelli, N. Assessing ecosystem collapse risk in ecosystems dominated by foundation species: the case of fringe mangroves, *Diversity and Distributions* (submitted September 2017).
20. Murray, N., Keith, D., **Bland, L.**, Ferrari, R., Pettorelli, N., Lyons, M., Lucas, R., Zager, I., and Nicholson, E. A review of satellite remote sensing for structured assessments of ecosystem status, *Science of the Total Environment* (minor revision September 2017).
21. Hossain, M. A., Lahoz-Monfort, J., Burgman, M., Bohm, M., Kujala, H., and **Bland, L**. Assessing the vulnerability of freshwater crayfish to climate change, *Global Change Biology* (submitted July 2017).
22. Conde, D. [...], **Bland, L.**, [...], and Baudisch, A. Demographic knowledge for species conservation: A landscape of ignorance, *Nature* (submitted June 2017).

OTHER SELECTED PUBLICATIONS

23. **Bland, L. M.** and Collen, B. (2016) Species loss: lack of data leaves a gap, *Nature,* 537, 488.
24. **Bland, L. M.**, Keith, D.A., Miller, R.M., Murray, N.J. and Rodríguez, J.P. (eds.) (2016). Guidelines for the application of IUCN Red List of Ecosystems Categories and Criteria, Version 1.0. Gland, Switzerland: IUCN. ix + 94 pp. **[15 citations]**
25. Murray, N.J., Miller, R.M., Zager, I., Keith, D.A., **Bland, L. M.**, Esteves, R., Oliveira-Miranda, M.A., Rodríguez, J.P. (2016) *Introduction to the IUCN Red List of Ecosystems Categories and Criteria: course manual.* Gland, Switzerland: IUCN. 14 pp.
26. **Bland, L. M.** (2006) *My donkey (Mon ane)*, Vigot Editions, Paris France, 126 pp.

GRANT WRITING SKILLS

- Awarded AUD 780,000 in grant funding, including AUD 24,000 as Chief Investigator.
- Contributed to a successful € 500,000 proposal to the Finnish Academy of Sciences, investigating the effects of climate change on peatlands.
- Contributed to writing an ARC Linkage proposal to be submitted in 2017.
- My positions as finalist in the Impact7 National Science Impact competition and in the Young Victorian Achiever Awards (Research Impact) demonstrate my ability to cogently convey a project's research impact.

STUDENT SUPERVISION (*DENOTES MAIN SUPERVISION)

2016-2017	Jessica Rowland, PhD, Deakin University.
2016-2017	*Anwar Hossain, MPhil, University of Melbourne.
2017	Tess Pannell, Hons Environmental Science (High Distinction), Deakin University.
2016	Ashleigh Marshall, MRes Biodiversity, Evolution and Conservation, University College London.
2016	Claire Stewart, MSc Conservation Science (High Distinction), University of Queensland.
2015	*Elodie Grimoin, MSc Environmental Management, AgroParisTech.
2015	*Stephen Kearney, Hons. Environmental Management (High Distinction), University of Queensland.

PEER REVIEW

- Reviewer of 22 manuscripts for 10 international journals (*Biological Conservation*, *Conservation Biology*, *Methods in Ecology and Evolution*, *Global Change Biology*, *PeerJ*, *Journal of Herpetology*, *Environmental Impact Assessment Review*, *Diversity and Distributions*, *Conservation Letters*, *Animal Conservation*).
- PhD confirmation report review, James Cook University (2016).

ADDITIONAL SKILLS

Attention to detail	• Expert programmer in the computing languages R and Python, requiring an ability to construct internally consistent and logical computer programmes with 100% accuracy. • Constructed a reproducible digital workflow for a research project, allowing accurate compilations of computational and statistical experiments. • Completed a first-time successful application for permanent residency with the Department of Immigration and Border Protection with no support from migration agents, showing my ability to comply with exacting standards.
Working independently	• Completed a PhD within 3 years at age 22, demonstrating my ability to work efficiently with limited supervision. • Launched my online business in 2016 while working full-time.