

STEPHANIE RENEE JANUCHOWSKI-HARTLEY, PhD

Sêr Cymru Research Fellow
Swansea University, Swansea, UK
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Research and Engagement Team <https://firelaboratory.uk/>

EDUCATION

- 2011 **Doctor of Philosophy, School of Marine and Tropical Biology, James Cook University, Australia**
Thesis: Advancing systematic conservation planning for freshwater ecosystems
2006 **Master of Science (NRM), Department of Biology, Grand Valley State University, USA**
Thesis: Identifying multiscale habitat factors influencing koala (*Phascolarctos cinereus*) occurrence
2003 **Bachelor of Science (NRM), Department of Biology, Grand Valley State University, USA**

RELEVANT EMPLOYMENT

- 2018-2023 Sêr Cymru Research Fellow, Swansea University
2015-2018 Research Associate, Université Paul Sabatier
2014-2016 Spatial Analysis Consultant, Wildlife Conservation Society Canada
2014-2015 Research Associate, Texas A & M University - Corpus Christi
2011-2014 Research Associate, University of Wisconsin-Madison
2011-2013 Principal Investigator, Reef Catchments Ltd.
2010-2011 Research Assistant, Griffith University
2008-2009 Research Assistant, James Cook University
2004-2006 Research Assistant, Annis Water Resources Institute

GRANTS AND FELLOWSHIPS

- 2018-2023 Sêr Cymru Research Fellow (£830,600)
2014-2016 PI Wildlife Conservation Society Canada (£11,600)
2012-2014 PI Reef Catchments Mackay Whitsunday Ltd. (£23,500)
2011-2012 PI Queensland Dept. of Environment & Resource Management (£5,450)
2011-2012 PI Australian Dept. of Environment (£13,750)
2010-2011 Co-PI James Cook University Collaborate Across Boundaries (£7,170)
2010 Co-PI ARC Research Network for Earth Systems Science (£9,850)
2009 Ecological Society of Australia Travel Grant (£150)
2008-2011 Marine and Tropical Sciences Research Facility (£5,800)
2009-2010 Co-PI Queensland Dept. of Primary Industries (£24,000)
2008-2011 James Cook University Postgraduate Fellowship (£54,300)
2006 NSF Research Experience for Undergraduates (£2,200)

CROWD FUNDING

- 2018 Scicomm for Conservation Congress (raised £2,179)
2017 Connecting Conservation Colleagues (raised £2,500)
2015 Society for Conservation Biology Freshwater Working Group Fundraiser (raised £500)

RELEVANT AWARDS

- 2017 Knowledge Interchange and Collaboration Visiting Scholar, Rhodes University, South Africa
2015 Swarovski Green Travel Award, International Congress for Conservation Biology

PEER REVIEWED PUBLICATIONS

47. **Januchowski-Hartley, S.R.**, Mantel, S., Celi, J., Hermoso, V., White, J.C., Blankenship, S. and Olden, J.C. 2020. Small in-stream infrastructure: Comparative methods and evidence of environmental and ecological responses. *Ecological Solutions and Evidence*, e12026 doi.org/10.1002/2688-8319.12026.

46. Jones, R.E., Griffin, R.A., **Januchowski-Hartley, S.R.** and Unsworth, R.K.F. 2020. The influence of bait on remote underwater video observations in shallow-water coastal environments associated with the North-Eastern Atlantic. *Peer J* 8, e9744.
45. Whittemore et al., including **Januchowski-Hartley, S.R.** 2020. A participatory science approach to expanding instream infrastructure inventories. *Earth's Future* doi.org/10.1029/2020EF001558.
44. **Januchowski-Hartley, S.R.** Book review: *Geopoetics in Practice*. *Cultural Geographies* doi.org/10.1177/1474474020942793.
43. **Januchowski-Hartley, S.R.**, Bear, C., O’Gorman, E. and Januchowski-Hartley, F.A. 2020. Underwater. In: *An A to Z of Shadow Places Concepts*, 1-5.
42. Lennox, R.J. et al., including **Januchowski-Hartley, S.R.** 2019. One hundred pressing questions on the future of global fish migration science, conservation, and policy. *Frontiers in Ecology and Evolution* 7: 286.
41. Hoover, J.J., Paul, B., **Januchowski-Hartley, S.R.**, Lyons, J., Pracheil, B.M. and Zigler, S. 2019. Anthropogenic Obstructions to Paddlefish Movement and Migration. In: *Paddlefish: Ecological, Aquacultural, and Regulatory Challenges of Managing a Global Resource* (eds. Schooley, J.D. and Scarnecchia, D.L.). American Fisheries Society, Symposium 88.
40. Linke, S., Hermoso, V. and **Januchowski-Hartley, S.R.** Toward process-based conservation prioritizations for freshwater ecosystems. *Aquatic Conservation: Marine and Freshwater Ecosystems* 29: 1149-1160.
39. **Januchowski-Hartley, S.R.** 2019. Two Rivers Converge. *BioScience* 69: 398-399.
38. **Januchowski-Hartley, S.R.**, Mantel, S.K., Barber-James, H.M. Celi, J., Olden, J.D., Piccolo, J.J. and Hermoso, V. Perceptions of a curriculum vitae clinic for conservation science students. *Conservation Science and Practice*. 1: e37.
37. **Januchowski-Hartley, S.R.** 2019. Dance of the Sawshelled Turtles. *Frontiers in Ecology and the Environment*. 17: 92.
36. **Januchowski-Hartley, S.R.**, Jezequel, C. and Tedesco, P.A. 2019. Modelling built infrastructure heights to evaluate common assumptions in aquatic conservation. *Journal of Environmental Management* 232: 131-137.
35. Moon, K., Blackman, D.A., Adams, V.M., Colvin, R.M., Davila, F., Evans, M.C., **Januchowski-Hartley, S.R.**, Bennett, N.J., Dickinson, H., Sandbrook, C., Sherren, K., St. John, F.V.A., van Kerkhoff, L. and Wyborn, C. 2019. Expanding the role of social science in conservation through an engagement with philosophy, methodology, and methods. *Methods in Ecology and Evolution* 10: 294-302.
34. **Januchowski-Hartley, S.R.**, Sopinka, N., Merkle, B.G., Lux, C., Zivian, A. Goff, P. and Oester, S. 2018. Poetry as a creative practice to enhance engagement and learning in conservation science. *BioScience* 68: 905-911.
33. **Januchowski-Hartley, S.R.**, Lauzeral, C., Schmidt-Kloiber, A. Graff, W. and Brosse, S. 2018. Late greenhouse gas mitigation has heterogeneous effects on European caddisfly diversity patterns. *BioRxiv*: 411462.
32. Henriques-Silva, R., Logez, M., Reynaud, N., Tedesco, P.A., Brosse, S., **Januchowski-Hartley, S.R.**, Oberdorff, T. and Argillier, C. 2018. A comprehensive examination of the network position hypothesis across multiple river metacommunities. *Ecography* 41: 1-11.
31. **Januchowski-Hartley, S.R.**, Adams, V.M. and Hermoso, V. The need for spatially explicit quantification of benefits in invasive species management. *Conservation Biology*. 32: 287-293.
30. **Januchowski-Hartley, S.R.**, Selkoe, K.A., Gallo, N., Bird, C.E. and Hogan, J.D. 2017. Knowledge gaps and sharing to guide research and conservation priorities in the Mariana Trench Marine National Monument. *FACETS* 2: 984-997.
29. Hermoso, V., **Januchowski-Hartley, S.R.**, Linke, S., Dudgeon, D., Pettry, P. and McIntyre, P. Optimal allocation of Red List assessments to guide conservation of biodiversity. *Global Change Biology* 23:3525-3532.
28. Carvajal-Quintero, J.D., **Januchowski-Hartley, S.R.**, Maldonado-Ocampo, J.A., Jezequel, C., Delgado, J. and Tedesco, P.A. 2016. Damming fragments species ranges and heightens extinction risk. *Conservation Letters* 10: 708-716. **Masters student research*
27. O’Shaughnessy, E., Landi, M., **Januchowski-Hartley, S.R.** and Diebel, M. 2016. Conservation leverage: ecologically designed culverts also return fiscal benefits. *Fisheries* 41: 750-757. **Masters student research*
26. **Januchowski-Hartley, S.R.**, Hilborn, A., Crocker, K.C. and Murphy, A. 2016. Scientists stand with Standing Rock. *Science* 353: 1506.
25. Moon, K., Brewer, T. Adams, V. M., **Januchowski-Hartley, S.R.** and Blackman, D. 2016. Developing guidelines to improve qualitative social science publishing in conservation journals. *Ecology & Society* 21: Article 17.
24. **Januchowski-Hartley, S.R.**, Holtz, L.A., Martinuzzi, S., McIntyre, P.B., Radeloff, V.C. and Pracheil, B.P.

2016. Future land use threats to range-restricted fish species in the United States. Diversity and Distributions 22: 663-671. *Undergraduate student research
23. McIntyre, P.B., Reidy Liermann, C., Childress, E., Hamann, E.J., Hogan, J.D., **Januchowski-Hartley, S.R.**, Koning, A.A., Neeson, T.M., Oele, D.L. and Pracheil, B.M. 2016. Conservation of migratory fishes in freshwater ecosystems, In: Conservation of Freshwater Fishes (eds. Closs, G.P., Krkosek, M. & Olden, J.D.). Cambridge University Press, Cambridge, United Kingdom.
 22. Hermoso, V., Linke, S., **Januchowski-Hartley, S.R.** and Kennard, M. 2016. Freshwater Conservation Planning, In: Conservation of Freshwater Fishes (eds. Closs, G.P., Krkosek, M. & Olden, J.D.). Cambridge University Press, Cambridge, United Kingdom.
 21. Carter, S.K., **Januchowski-Hartley, S.R.**, Pohlman, J.D., Bergeson, T.L., Pidgeon, A.M. and Radeloff, V.C. 2015. An evaluation of environmental, institutional, and socio-economic factors explaining successful conservation plan implementation in the north-central United States. Biological Conservation 192: 135-144. *PhD student research
 20. Hermoso, V., **Januchowski-Hartley, S.R.** and Linke, S. 2015. Systematic planning of disconnection to enhance conservation success in a modified world. Science of the Total Environment 536: 1038-1044.
 19. Moon, K., Adams, V., **Januchowski-Hartley, S.R.**, Polyakov, M. Biggs, D. Game, E., Mills, M., Knight, A. and Raymond, C. 2014. A multidisciplinary conceptualization of conservation opportunity. Conservation Biology 28: 1484-1496.
 18. Marques, A. et al., including **Januchowski-Hartley, S.R.** 2014. Identifying enabling and urgent actions for the 2020 Aichi Targets. Basic and Applied Ecology 15: 633-638.
 17. **Januchowski-Hartley, S.R.**, Diebel, M., Doran, J. and McIntyre, P.B. 2014. Predicting road culvert passability for migratory fishes. Diversity and Distributions 20: 1414-1424.
 16. Tittensor, D. et al., including **Januchowski-Hartley, S.R.** 2014. A mid-term analysis of progress towards international biodiversity targets. Science 346: 241-244.
 15. Martinuzzi, S., **Januchowski-Hartley, S.R.**, Pracheil, B.M., McIntyre, P.B., Plantinga, A.J., Lewis, D.J., and Radeloff, V.C. 2014. Threats and opportunities for freshwater conservation under future land use change scenarios in the United States. Global Change Biology 20: 113-124.
 14. Hermoso, V., **Januchowski-Hartley, S.R.** and Pressey, R.L. 2013. When the suit does not fit biodiversity: loose surrogates compromise the achievement of conservation goals. Biological Conservation 159: 197-205.
 13. **Januchowski-Hartley, S.R.**, McIntyre, P.B., Diebel, M., Doran, P.J., Infante, D.M., Joseph, C. and Allan, J.D. 2013. Restoring aquatic ecosystem connectivity requires expanding barrier inventories. Frontiers in Ecology and the Environment 4: 211-217.
 12. Ban, N.C., **Januchowski-Hartley, S.R.**, Alvarez-Romero, J., Mills, M., Pressey, R.L., Linke, S. and de Freitas, D. 2013. Marine and freshwater conservation planning: from representation to persistence, In: Shaping the Future: Conservation Planning from the bottom up - a practical guide for the 21st century (eds. Craighead L and Convis C). ESRI Press Redlands, California.
 11. Visconti, P., Di Marco, M., Álvarez-Romero, J.G., **Januchowski-Hartley, S.R.**, Pressey, R.L., Weeks, R. and Rondinini, C. 2013. Effects of errors and gaps in spatial data sets on assessment of conservation progress. Conservation Biology 27: 1000-1010.
 10. **Januchowski-Hartley, S.R.**, Moon, K., Stoeckl, N. and Gray, S. 2012. Social factors and private benefits influence landholders' riverine restoration priorities in tropical Australia. Journal of Environmental Management 110: 20-26.
 9. Foale, S., Cohen, P., **Januchowski-Hartley, S.R.**, Wenger, A. and Macintyre, M. 2011. Tenure and taboos: origins and implications for fisheries in the Pacific. Fish and Fisheries 12: 357-369.
 8. Hermoso, V., **Januchowski-Hartley, S.R.**, Linke, S. and Possingham, H.P. 2011. Reference vs. present-day condition: early planning decision influence the achievement of conservation objectives. Aquatic Conservation: Marine and Freshwater Ecosystems 21: 500-509.
 7. **Januchowski-Hartley, S.R.**, Pearson, R.G., Puschendorf, R. and Rayner, T. 2011. Fresh waters and fish diversity: distribution, protection and disturbance in tropical Australia. PloS One 6. DOI: 10.1371/journal.pone.0025846.
 6. **Januchowski-Hartley, S.R.**, Hermoso, V., Pressey, R.L., Linke, S., Kool, J., Pearson, R.G. and Pusey, B. 2011. Coarse-filter surrogates do not represent freshwater fish diversity at a regional scale. Biological Conservation 144: 2499-2511.
 5. **Januchowski-Hartley, S.R.**, VanDerWal, J. and Sydes, D. 2011. Effective control of invasive species: building evidence for management of the tropical invasive macrophyte olive hymenachne (*Hymenachne amplexicaulis*). Environmental Management 48: 568-576.
 4. **Januchowski-Hartley, S.R.**, Visconti, P. and Pressey, R.L. 2011. A systematic approach for prioritizing multiple management actions for invasive species. Biological Invasions 13: 1241-1253.
 3. **Januchowski, S.R.**, Pressey, R.L., VanDerWal, J. and Edwards, A. 2010. Characterizing surface model

- error and associated costs. International Journal of Geographical Information Science 24: 1327-1347.
2. **Januchowski, S.R.**, McAlpine, C.A., Callaghan, J.G., Griffin, C.B., Mitchell, D., Lunney, D. and Bowen, M. 2008. Importance of managing wildlife at multiple-scales in fragmented landscapes: Implications for koalas (*Phascolarctos cinereus*) in Ballarat, Victoria, Australia. Ecological Management and Restoration 9: 134-142.
 1. Smith, R.G., Gross, K.L. and **Januchowski, S.R.** 2005. Earthworms and weed seed distribution in annual crops. Agriculture, Ecosystems and Environment 108: 363-367.
- *National Science Foundation Undergraduate Research Project

POPULAR SCIENCE WRITING

- 2020 The Conversation, "Culverts – the major threat to fish you’ve probably never heard of" <https://theconversation.com/culverts-the-major-threat-to-fish-youve-probably-never-heard-of-143629>
- 2020 The Applied Ecologist, "Developments in biologging and related methods in applied ecology" <https://appliedecologistsblog.com/2020/01/30/biologging-and-related-methods-in-applied-ecology/>
- 2018 The Applied Ecologist, "Addressing global fisheries management challenges in a changing world" <https://appliedecologistsblog.com/2018/04/18/spotlight-fisheries-management/>
- 2018 The Applied Ecologist, "Evaluating the temporal effectiveness of marine reserves" <https://appliedecologistsblog.com/2018/03/12/effectiveness-of-marine-reserves/>
- 2016 Journal of Applied Ecology, Editor’s Choice, "Improving our ability to detect the effects of roads on fish movements" <https://besjournals.onlinelibrary.wiley.com/hub/journal/13652664/editors-choice-53.6>
- 2016 Fisheries Blog, "Neighborhood watch: rising threats to freshwater fishes" <https://thefisheriesblog.com/2016/06/06/neighborhood-watch-rising-threats-to-freshwater-fishes/>
- 2015 Conservation Haiku, "Project Conservation Haiku" <http://conservationhaiku.org/>
- 2015 Fisheries Blog, "Why didn’t the fish cross under the road?" <https://thefisheriesblog.com/2015/11/30/why-didnt-the-fish-cross-under-the-road/>

MEDIA COVERAGE

* I have been interviewed by the *Guardian*, *Great Lakes Now*, *Environmental Monitor*, and *American Scientist*; below is a selected list of articles and interviews

- 2020 "Rivers (re-visited!) with Dr. Stephanie Januchowski-Hartley" <https://forwhatitsearth.podbean.com/e/rivers-re-visited-with-dr-stephanie-januchowski-hartley/>
- 2020 "FIRE Lab and Small Stream Infrastructure with Steph Januchowski-Hartley" <https://fisheriespodcast.podbean.com/e/089-fire-lab-and-small-stream-infrastructure-with-steph-januchowski-hartley/>
- 2020 "Dams Across the Great Lakes: End of the line for aging infrastructure?" <https://www.greatlakesnow.org/2020/10/dams-great-lakes-aging-infrastructure/>
- 2018 "UW Researcher Promotes Use of Poetry in Science" <https://www.wyomingpublicmedia.org/post/uw-researcher-promotes-use-poetry-science#stream/0>
- 2018 "The next time you want to explain something complicated, write a haiku instead" <https://qz.com/work/1417390/use-haikus-to-explain-complicated-concepts/>
- 2016 "Using Twitter Hashtags for Science Education" <https://www.americanscientist.org/blog/macroscope/using-twitter-hashtags-for-science-education>
- 2013 "Study maps Great Lakes Basin stream barriers" <https://www.fondriest.com/news/study-maps-great-lakes-basin-stream-barriers-road-crossings-worse-than-dams.htm>

SELECT TECHNICAL REPORTS AND GUIDES

- Meyer, J., **Januchowski-Hartley, S.R.**, Rabaiotti, D. and Weiss, S. 2018. Promoting Your Research – Guides to Better Science. British Ecological Society, London, UK.
- Januchowski-Hartley, S.R.** and Hermoso, V. 2015. Informing freshwater spatial conservation planning in Ontario’s Northern Boreal Landscape. Report to Dr Cheryl Chetkiewicz, Wildlife Conservation Society Canada.
- Leadley, P.W., Krug, C.B., Alkemade, R., Pereira, H.M., Sumaila U.R., Walpole, M., Marques, A., Newbold, T., Teh, L.S.L, van Kolck, J., Bellard, C., **Januchowski-Hartley, S.R.** and Mumby, P.J. 2014. Progress towards the Aichi Biodiversity Targets: An Assessment of Biodiversity Trends, Policy Scenarios and Key Actions. Secretariat of the Convention on Biological Diversity, Montreal, Canada. Technical Series 78, 500 pages.
- Secretariat of the Convention on Biological Diversity. 2014. Global Biodiversity Outlook 4. Montréal, 155 pages.

INVITED PLENARYS AND SYMPOSIUMS

- 2019 *"Interdisciplinary approaches to understanding aquatic ecosystems in a changing world"*, Leibniz-Institute of Freshwater Ecology and Inland Fisheries, Berlin, Germany
- 2019 *"Interdisciplinary approaches to understanding aquatic ecosystems in a changing world"*, Wales Ecology & Evolution Network, Centre for Alternative Technology, Powys, Wales
- 2019 *"Stories from independent and collaborative arts and sciences"*, Department for Environment, Food & Rural Affairs, London, United Kingdom
- 2018 *"Connected Waters – our aquatic ecosystems in a changing world"*, Dippy in Depth, Ulster Museum, Belfast, Northern Ireland, United Kingdom – Online: <https://youtu.be/bQaMCajFHdA>
- 2018 *"#DamOrNot: bridging science and current affairs through an educational Twitter game"*, European Congress of Conservation Biology, Jyväskylä, Finland – Online: <https://youtu.be/A-dPH7ZfZYw>
- 2017 *"Mapping and modelling the impacts of dams, weirs, and road culverts"*, Conference on Ecological Quality and Conservation Status of Inland Waters, Pamplona, Spain
- 2017 *"Being a Conservation Scientist"*, British Ecological Society Summer School, United Kingdom
- 2016 *"Using a Pencilfish to Write Whales – communicating conservation and science through poetry and short fiction"*, International Marine Conservation Congress, St Johns, Canada
- 2015 *"Being a Conservation Scientist"*, British Ecological Society Summer School, Malham Tarn Field Centre, United Kingdom
- 2015 *"Marxan at 15 years old: the past, present, and future of a conservation planning tool"*, International Congress for Conservation Biology Meeting, Montpellier, France
- 2015 *"Barriers to biodiversity in fluvial ecosystems"*, International Congress for Conservation Biology Meeting, Montpellier, France
- 2014 *"Integrating freshwater biodiversity and fisheries management to advance aquatic conservation"*, North America Congress for Conservation Biology Meeting, Missoula, USA
- 2013 *"Enhancing freshwater conservation efforts at broad spatial scales"*, Society for Freshwater Science Annual Meeting, Jacksonville, USA

INVITED WORKSHOPS AND ADVISORY GROUPS

- 2020- SESYNC Pursuit Workshop, Global Dam Watch, Annapolis, Maryland, USA and online
- 2018- Advisory Team, Fish Passage, Centre for Evidence-Based Conservation, Carleton University
- 2019- European and Global Dam Workshop, WWF Head Office, Zeist, Netherlands
- 2017 Gender in Science and Academia, Karlstad University, Karlstad, Sweden
- 2016 Student Conference on Conservation Science, Tihany, Hungary
- 2014 Global Biodiversity Outlook (GBO 4), Montreal, Canada
- 2014 Global Biodiversity Outlook (GBO 4), Vancouver, Canada
- 2013 IUCN Identifying Key Biodiversity Area Thresholds, Rome, Italy
- 2013 Conservation Opportunity Workshop, Stradbroke Island, Queensland, Australia
- 2013 Global Biodiversity Outlook (GBO 4), Cambridge, United Kingdom
- 2012 Workshop: *"Global Freshwater Biodiversity"*, WWF Headquarters, Washington DC, USA
- 2011 Great Lakes Aquatic Connectivity Working Group, WI, USA
- 2011 Far North Queensland Natural Asset Management Advisory Committee, Tully, Queensland, Australia
- 2010 Far North Queensland Regional Landscape Repair & Resilience, Tully, Queensland, Australia
- 2010 Tully-Murray Floodplain Biodiversity Action Team, Tully, Queensland, Australia
- 2009 Australian Hymenachne Management Working Group, Townsville, Queensland, Australia
- 2008 Australian Protected Areas Conference, Sunshine Coast, Queensland, Australia

STUDENT SUPERVISION

- 2020-2021 Supervisor, Rochelle Bristol (BSc Honours), Swansea University, Swansea, UK
- 2019-2020 Supervisor, Kherlen Shinebayar (MSc), Swansea University, Swansea, UK
- 2019 Supervisor, Loren Gittings (MSc - Merit), Swansea University, Swansea, UK
- 2015-2016 Academic mentor, Juan Carvajal (MSc), Université Paul Sabatier, Toulouse, France
- 2013-2015 Supervisor, Lauren Holtz (BS), University of Wisconsin-Madison, Wisconsin, USA
- 2013-2015 Academic mentor, Sarah Carter (PhD), University of Wisconsin-Madison, Wisconsin, USA
- 2007 Academic mentor, Rachel Carte, Nulloo Yumbah Indigenous Learning Centre, Australia

TEACHING

- 2019-2020 Lecturer, Communicating your research, Masters course, Swansea University, Swansea, Wales
2014-2015 Course Developer, Sustainability MOOC, Texas A & M Corpus Christi, Corpus Christi, USA
2008 Tutor, Lab Lecturer, Introduction to GIS, James Cook University, Queensland, Australia
2004 Introductory Biology Lab Lecturer, Grand Valley State University, Michigan, USA
2003-2004 Substitute Teacher, Edwardsburg Public Schools, Michigan, USA
2002 Teaching Assistant, Grand Valley State University, Michigan, USA

EDUCATION AND ENGAGEMENT

- 2020 Speaker, British Ecological Society Annual Meeting, Online, United Kingdom
**Presented "Hashtag games and interactive Twitter" in Connecting for Science Communication*
- 2019 Speaker, British Ecological Society Annual Meeting, Belfast, Northern Ireland, United Kingdom
**Presented "Designing your own Twitter games" in Getting Social for Science Communication*
- 2019 Speaker, Swansea University, Swansea, United Kingdom
**Presented "Communicating Your Research" to Masters of Research Course*
- 2019 Scribble Fish at Science After Dark, Swansea, United Kingdom
**Co-developed and lead a participatory art activity about local fishes in a pub*
- 2019 Research Walk-and-Talk with Swansea Ramblers, Swansea, United Kingdom
**Co-developed and lead an informative walk and hands-on activity about rivers with community members*
- 2019 Creator of "#TaweWalks"
**Social media hashtag documenting my four cross-season walks along the River Tawe in 2019*
- 2018 Speaker, British Ecological Society Annual Meeting, Birmingham, United Kingdom
**Presented "Designing your own Twitter games" in Social Media for Science Communication*
- 2017 Mentor, Letters to a Pre-Scientist, USA
**Exchange quarterly letters with a student about science and being a scientist*
- 2016 Mentor, Letters to a Pre-Scientist, USA
**Exchange quarterly letters with a student about science and being a scientist*
- 2016 Creator "#DamOrNot"
**Weekly social media outreach program about instream infrastructure and current events*
- 2016 Speaker, World Fish Migration Day, Kentucky, USA and Edinburgh, Scotland
**Presented (remotely) an educational program for students about migratory fishes and rivers*
- 2016 Speaker, Université Paul Sabatier, Toulouse, France
**Presented "Ecology of Australia's Freshwater Fishes" to Masters Level Fish Ecology Course*
- 2016 Speaker, Beaumont Middle School, Lexington, Kentucky, USA
**Presented an educational program for students about migratory fishes and rivers*
- 2016 Invited Scientist, Erskine Stewart's Melville School, Edinburgh, United Kingdom
**Led an educational program for primary school students about migratory fishes and rivers*
- 2016 STEM Ambassador, United Kingdom
- 2015 Mentor, Letters to a Pre-Scientist, USA
**Exchange quarterly letters with a student about science and being a scientist*
- 2015 Speaker, Université Paul Sabatier, Toulouse, France
**Presented Ecology of Australia's freshwater fishes to Masters Level Fish Ecology Course*
- 2015 Invited Scientist, Erskine Stewart's Melville School, Edinburgh, United Kingdom
**Led an educational program for primary school students about migratory fishes and rivers*
- 2015 Speaker, Coombeshead Academy, Newton Abbot, United Kingdom
**Presented on my career as a conservation scientists *Representing as STEM Ambassador*
- 2015 Creator, Fish ArtetFacts
**Digital media campaign raising awareness to our world's fishes, particularly those less seen*
- 2015 STEM Ambassador, United Kingdom
- 2014 Invited Scientist, Erskine Stewart's Melville School, Edinburgh, United Kingdom
**Presented educational program for primary school students about migratory fishes and rivers*
- 2014 Co-Creator, World Fish Migration Day at Shedd Aquarium, Illinois, USA
- 2013 Speaker, University of Wisconsin-Madison, Madison, Wisconsin, USA
**Presented "Instream Infrastructure Impacts" to Masters Level Environmental Chemistry Course*
- 2012 Speaker, University of Wisconsin-Madison, Madison, Wisconsin, USA
**Presented "Ecology of Australia's Freshwater Fishes" to Undergraduate Fish Ecology Course*
- 2005 Speaker, School for Field Studies, Yungaburra, Queensland, Australia
**Presented Geographic Information Systems in Conservation to Undergraduate Field Course*

ACADEMIC SERVICE AND LEADERSHIP

2018-2020	Co-Chair, Athena Swan Working Group, Department of Biosciences, Swansea University
2018	Instructor, "Getting Published in Conservation and Ecology", IKIAM, Tena, Ecuador
2018	Co-lead, "Communicating your Science: An Introduction to Social and Traditional Media"
2017	Leader and co-creator, Conservation Beacon Award for Women in Conservation
2017-2018	Co-Chair, Membership Committee, Society for Conservation Biology Europe Section
2016-2018	Mentor, Women in Ecology, British Ecological Society
2016-2018	Editor, Society for Conservation Biology Europe Section's Social Media
2016-2018	Editor, Society for Conservation Biology Freshwater Working Group's Social Media
2015-2017	Chair, Communications Committee, Society for Conservation Biology's Europe Section
2015	Scientific Organizing Committee, International Congress for Conservation Biology
2015-2018	Elected Board Member Society for Conservation Biology - Europe Section
2015-2018	Elected President Society for Conservation Biology - Freshwater Working Group
2010-2015	Elected Board Member Society for Conservation Biology's Freshwater Working Group
2009	Student leader ARC CoE for Coral Reef Studies, Townsville, Queensland, Australia
2003-2004	President Grand Valley State University Chapter of Soil and Water Conservation Society

INVITED TALKS

2018	IKIAM, Universidad Regional Amazonica, Tena, Ecuador
2017	River Ecology Group, Karlstad University, Karlstad, Sweden
2016	International Marine Conservation Congress, Oceans Online Presenter, St Johns, Canada
2016	BiK-Frankfurt, Frankfurt, Germany
2015	Laboratoire Evolution et Diversite Biologique, Université Paul Sabatier, Toulouse, France
2014	Southwest Ecosystem Services, Centre for Environment & Human Health, Truro, United Kingdom
2012	Australian Rivers Institute, Griffith University, Nathan, Queensland, Australia
2012	The Nature Conservancy, Madison, Wisconsin, USA
2011	Aquatic Connectivity Project Meeting, Menominee, Michigan, USA
2008	Far North Queensland Pest Advisory Council, Mossman, Queensland, Australia
2008	Spatial Sciences Institute, Townsville, Queensland, Australia

PROFESSIONAL PRESENTATIONS

2019	British Ecological Society Annual Meeting, Belfast, Northern Ireland, UK
2018	Tropical Aquatic Ecosystems in the Anthropocene, Quito, Ecuador
2017	International Congress for Conservation Biology, Cartagena, Colombia
2016	ScenNet Conference on Biodiversity and Ecosystem Scenarios, Montpellier, France
2016	International Marine Conservation Congress, St Johns, Canada
2015	International Congress for Conservation Biology Bi-Annual Meeting, Montpellier, France
2014	International Conference on Engineering & Ecohydrology for Fish Passage, Madison, Wisconsin, USA
2013	International Congress for Conservation Biology Bi-Annual Meeting, Baltimore, Maryland, USA
2012	142 nd Annual Meeting of the American Fisheries Society, St Paul, Minnesota, USA
2012	142 nd Annual Meeting of the American Fisheries Society, St Paul, Minnesota, USA
2012	Discovery Challenge Symposium, Wisconsin Institute of Discovery, Madison, WI, USA
2011	11 th International Conference on EMAPI, Szombathely, Hungary
2010	Australian Society for Limnology, Thredbo, New South Wales, Australia
2009	Australian Society for Limnology, Alice Springs, Northern Territory, Australia
2009	World Conference on Biological Invasions & Ecosystem Functioning, Porto, Portugal
2009	10 th International Congress of Ecology, Brisbane, Queensland, Australia
2009	29 th Annual Meeting for the Society for Conservation Biology, Beijing, China
2008	Ecological Society of Australia, Sydney, New South Wales, Australia
2008	28 th Annual Meeting for the Society for Conservation Biology, Chattanooga, Tennessee, USA
2006	26 th Annual Meeting Society for Conservation Biology, San Jose, California, USA
2005	8 th World Wilderness Conference, Anchorage, Alabama, USA

EDITING AND REVIEWING

Editorial board

2018- Associate Editor *People and Nature*
2016-2020 Associate Editor *Journal of Applied Ecology*

Reviewer, Journals: *Aquatic Conservation: Marine and Freshwater Research, Biological Conservation, Canadian Journal of Fisheries and Aquatic Sciences, Consilience Journal of Science and Art, Conservation Letters, Conservation Biology, Conservation Science and Practice, Cultural Geographies, Diversity and Distributions, Ecological Applications, Environmental Management, Geoscience Communication, International Journal of Geographical Information Science, Journal of Applied Ecology, Journal of Environmental Management, PLOS ONE, People and Nature, Proc Roy Soc B, Photogrammetric Engineering and Remote Sensing, Transactions of the American Fisheries Society.*

Reviewer, Government Agencies: United States Fish and Wildlife Service

CREATIVE WRITING

* I write poetry; below is a selection of courses I have attended and completed.

2020 ‘The Gaps Between the Stories’: White Space, Redaction, Erasure, Tamar Yoseloff, Poetry School, UK
2020 Poetry & Ecologue: Ritual Ecopoetics, Rhys Trimble, Poetry School, UK
2020 Processual Poetry & Dérive, Rhys Trimble, Poetry School, UK
2019 Certificate in Writing Poetry, Kate Potts, University of Oxford, Department for Continuing Ed, UK

PROFESSIONAL DEVELOPMENT

2020 UCU Leadership in Education; CPD Programme, Cardiff, UK
2016 British Ecological Society Mentorship Training, London, UK
2014 Engineering and Ecohydrology for Fish Passage, Madison, Wisconsin, USA
2013 Making your science relevant and accessible for decision-makers, Baltimore, Maryland, USA
2010 Writing clear science workshop (writingclearscience.com.au), Melbourne, Victoria, Australia

LANGUAGES

English - native language

French - moderate comprehension and speaking (B1)
(1-year formal education; 2 years living and working in France)

German - moderate comprehension; beginner speaking
(4-years formal education)

Spanish - moderate comprehension; beginner speaking
(limited formal education)