

Dr. G. Matthew Davies

Assistant Professor of Soil and Plant Community Restoration

School of Environment and Natural Resources
The Ohio State University
412B Kottman Hall
2021 Coffey Road
Columbus, OH, 43210
United States of America

Phone: (001) 614 292 3567
E-mail: davies.411@osu.edu
Web: www.fireregimes.org.uk
Twitter: @fireregimes

Employment

Assistant Professor	The Ohio State University	Jan 2015 to present
Lecturer in Environmental Stewardship	University of Glasgow	Dec 2010 to Dec 2014
Post-Doctoral Research Associate	University of Washington	Dec 2008 to Dec 2010
Research Fellow	The University of Edinburgh	Feb 2008 to Jul 2008
Volunteer Project Worker	The Shanti Trust, Malawi	Jul 2007 to Aug 2007
Research Fellow	The University of Edinburgh	Feb 2006 to Jun 2007
NERC-CASE PhD Researcher	Game and Wildlife Conservation Trust	Jan 2003 to Dec 2005

Education

Postgraduate Certificate in Academic Practice (<i>Note: this is a UK Higher Education teaching qualification</i>)	University of Glasgow	2013
PhD Thesis title: Fire Behaviour and Impact on Heather Moorlands	University of Edinburgh	2006
MSc Environmental Protection and Management (with distinction)	University of Edinburgh	2001
BA (Hons) Environment and Archaeology (2:1)	University of Wales Lampeter	2000

Publications and reports

Graduate student co-authors are shown in *italics*, undergraduate students are shown underlined

Peer-reviewed journal papers

- 20. Davies G.M.**, Kettridge N., Stoof C.R. & Gray A. (in press). Comment on: Vegetation burning for game management in the UK uplands is increasing and overlaps spatially with soil carbon and protected areas. *Biological Conservation*.
- 19. Davies G.M.**, Domènech R., Gray A. & Johnson P.C.D. (2016). Vegetation structure and fire weather influence variation in burn severity and fuel consumption during peatland wildfires. *Biogeosciences*, 13, 389-398.

18. **Davies G.M.** & Gray A. (2015). Don't let spurious accusations of pseudoreplication limit our ability to learn from natural experiments (and other messy kinds of ecological monitoring). *Methods in Ecology and Evolution*, 5, 5295–5304.
17. **Davies G.M.** & **Bodart J.** (2015). Changes in vegetation composition and diversity following livestock removal along an elevational gradient. *iForest*, 8, 582-589.
16. **Dettweiler-Robinson E.**, Bakker J.D., Evans J.R., Newsome H., **Davies G.M.**, Wirth T.A., Pyke D.A., Easterly R.T., Salstrom D. & Dunwiddie P.W. (2013). Outplanting Wyoming big sagebrush following wildfire: stock performance and economics. *Range Ecology and Management*, 66, 657-666.
15. **Davies G.M.**, Gray A., Rein G. & Legg C.J. (2013). Peat consumption and carbon loss due to smouldering wildfire in a temperate peatland. *Forest Ecology and Management*, 308, 136-144.
14. **Fernandes P.M.**, **Davies G.M.**, Ascoli D., Fernández C., Moreira F., Rigolot E., Stoof C.R., Vega J.A. & Molina D. (2013). Prescribed burning in southern Europe: developing fire management in a dynamic landscape. *Frontiers in Ecology and the Environment*, 11, e4–e14.
13. **Davies G.M.**, Bakker J.D., **Dettweiler-Robinson E.**, Dunwiddie P.W., Hall S.A., Downs J. & Evans J.R. (2012) Trajectories of change in sagebrush-steppe vegetation communities in relation to multiple wildfires. *Ecological Applications*, 22, 1562-1577.
12. **Rivera J.**, **Davies G.M.** & **Jahn W.** (2012) Flammability and the heat of combustion of natural fuels: a review. *Combustion Science and Technology*, 184, 224-242.
11. **Davies G.M.** & Legg C.J. (2011). Fuel moisture thresholds in the flammability of *Calluna vulgaris*. *Fire Technology*, 47, 421-436.
10. **Davies G.M.**, **O'Hara R.**, Smith A.A., MacDonald A. & Legg C.J. (2010). Winter desiccation and rapid changes in the live fuel moisture content of *Calluna vulgaris*. *Plant Ecology and Diversity*, 3, 289-299.
9. **Davies G.M.**, Pollard L. & Mwenda M.D. (2010). Perceptions of land-degradation, forest restoration and fire management: a case study from northern Malawi. *Land Degradation and Development*, 21, 546-556.
8. **Davies G.M.**, Smith A.A., McDonald A.J., Bakker J.D. & Legg C.J. (2010). Fire intensity, fire severity and ecosystem response in heathlands: factors affecting the regeneration of *Calluna vulgaris*. *Journal of Applied Ecology*, 47, 356-365.
7. Legg C.J., **Davies G.M.** & Gray A. (2010). Comment on "Burning management and carbon sequestration of upland heather moorland in the UK". *Australian Journal of Soil Research*, 48, 100-103.
6. **Davies G.M.**, Legg C.J., Smith A.A. & McDonald A.J. (2009). Rate of spread of fires in *Calluna vulgaris*-dominated moorlands. *Journal of Applied Ecology*, 46, 1054-1063.
5. **Davies G.M.** & Legg C.J. (2008). The impact of traditional management burning on lichen diversity. *Applied Vegetation Science*, 11, 529-538.
4. **Davies G.M.**, Gray A., Hamilton A. & Legg C.J. (2008). The future of fire management in the British uplands. *International Journal of Biodiversity Science and Management*, 4, 127-147.
3. **Davies G.M.**, Legg C.J., Hamilton A. & Smith A.A. (2008). Using visual obstruction to estimate heathland fuel load and structure. *International Journal of Wildland Fire*, 17, 380-389.
2. **Davies G.M.**, Legg C.L., Smith A.A. & MacDonald A. (2006). Developing shrub fire behaviour models in an oceanic climate: Burning in the British Uplands. *Forest Ecology and Management*, 234, Supplement 1, S107.
1. Kitchen K., Marno P., Legg C., Bruce M. & **Davies G.M.** (2006). Developing a fire danger rating system for the UK. *Forest Ecology and Management*, 234, Supplement 1, S21.

Book chapters

4. **Davies G.M.**, Gray A., Domenech Jordi R. & Johnson P. (2014). Variation in peatland wildfire severity – implications for ecosystem carbon dynamics. In: Viegas D.X. (Ed.) *Advances in Forest Fire Research*. Imprensa da Universidade de Coimbra, Coimbra.
3. **Grau R.**, **Davies G.M.**, Waldron S., Gray A. & Bruce M. (2014). Fuel and climate controls on peatland fire severity. In: Viegas D.X. (Ed.) *Advances in Forest Fire Research*. Imprensa da Universidade de Coimbra, Coimbra.

2. **Davies G.M.** (2013). Understanding fire regimes and fires' ecological effects. In: Belcher C.M. (Ed.) *Fire Phenomena and the Earth System: An Interdisciplinary Guide to Fire Science*. Wiley: London.
1. Krivtsov V., **Davies G.M.**, Legg C., Valor T. & Gray A. (2011) Peat moisture in relation to meteorological factors: monitoring, modelling and implications for the application of the Canadian Forest Fire Weather Index System. In: Lang P.R. & Lombargo F.S. (Eds.) *Atmospheric Turbulence, Meteorological Modeling and Aerodynamics*. Nova Science Publishers, Hauppauge.

Reports and proceedings

12. **Davies G.M.**, Domènech R., Gray A. & Johnson P.C.D. (2015). Vegetation structure and fire weather influence variation in burn severity and fuel consumption during peatland wildfires. *Biogeosciences Discussions*, 12, 15737-15762.
11. **Davies G.M.** & Bodart J. (2014). Changes in vegetation composition and diversity following stock-removal on Linshaw Knowe and Hartfell. Report to the Borders Forest Trust.
10. **Davies G.M.** (2013). Corehead orchard tree establishment and grazing damage survey. Report to the Borders Forest Trust.
9. Bakker J.D., Dunwiddie P.W., Hall S.A., Evans J.R., **Davies G.M.** & *Dettweiler-Robinson E.* (2012). Vegetation impacts of recurring fires on Sagebrush ecosystems in Washington: implications for conservation and rehabilitation. Final Report JFSP Project 08-1-5-20.
8. Legg C.J. & **Davies G.M.** (2009). What determines fire occurrence, fire behaviour and fire effects in heathlands? In: (ed. Alonso I.) *Managing Heathlands in the Face of Climate Change*. Proceedings of the 10th National Heathland Conference, 9th-11th September 2008, University of York. Natural England Commissioned Report, Number 014.
7. Legg C.J. & **Davies G.M.** (2009). FireBeaters Phase II Report. Unpublished report to Scottish Natural Heritage.
6. Krivtsov V., Gray A., *Valor T.*, Legg C.J. & **Davies G.M.** (2008). The fuel moisture content of peat as a fuel in relation to meteorological factors. In: (eds. J. de la Heras, C.A. Brebbia, D.X. Viegas & V. Leone). *Modelling, Monitoring and Management of Forest Fires*. WIT Transactions on Ecology and Environment Vol. 119. [DOI: 10.2495/FIVA080201]
5. **Davies G.M.** & Legg C.J. (2008). Developing a live fuel moisture for fire danger rating in heather moorlands. In: (eds. J. de la Heras, C.A. Brebbia, D.X. Viegas & V. Leone). *Modelling, Monitoring and Management of Forest Fires*. WIT Transactions on Ecology and Environment Vol. 119. [DOI: 10.2495/FIVA080231]
4. Legg C.J., **Davies G.M.**, Kitchen K. & Marno P. (2007). Developing a Fire Danger Rating System for the UK: FireBeaters Phase I final report. Report to the Scottish Wildfire Forum.
3. Legg C.J., **Bruce M.** & Davies G.M. (2006). Country Report for the United Kingdom. *International Forest Fire News*, 34.
2. Gray A., Legg C.J., **Davies G.M.**, Rein G., Riveria J. & Torero J.L. (2006). Peat fuel moisture and fire behaviour: a literature review. Unpublished report to the Met Office.
1. **Davies G.M.** (2004). The Bradda Head Fire. Unpublished report to the Isle of Mann Government Department Agriculture, Fisheries & Forestry.

Conference and seminar presentations

From 2010 onwards, only first author contributions shown prior to 2015. Invited/plenary presentations shown with *

20. *Muller T.*, Dalglish C., Forrest D., **Davies G.M.**, McConnel A. & Bishop P. (2015). Do ancient maps show ancient woodlands? [poster] British Ecological Society Annual Meeting, EICC, Edinburgh, Scotland, 13th-16th December 2015.
19. *Grau R.*, **Davies G.M.**, Waldron S., Gray A. & Scott M. (2015). Climate controls on fire severity and post-fire vegetation regeneration. Fuegoed International Meeting 2015, Universidad de Málaga - Andalucía Tech, Malaga, Spain, 18th-21st November 2015.

18. **Grau R., Davies G.M., Waldron S. & Legg C.J. (2015). Moisture codes of the Canadian Forest Fire Weather Index System could be used to forecast the flammability of key moorland fuels. Wildfires 2015: the UK wildfire prevention conference. Cambusland, Scotland, U.K., November 10th-11th 2015.*
17. *Davies G.M., Legg C.J. & Bruce M. (2015). Scotland should use the Fine Fuel Moisture Code to forecast periods of potentially high wildfire activity [poster]. Wildfires 2015: the UK wildfire prevention conference. Cambusland, Scotland, U.K., November 10th-11th 2015.*
16. **Davies G.M., Dettweiler-Robinson E., Dunwiddie P. & Bakker J.D. (2015). Tracking post-wildfire states and transitions in the sagebrush-steppe. Restoring the West: restoration and fire in the Interior West. Logan, Utah, October 28th-29th 2015.*
15. *Grau R., Davies G.M., Waldron S., Gray A. & Scott M. (2015). Fire severity controls on peatland carbon dynamics. C-MASC Seminar, The Ohio State University, Columbus, 7th October 2015*
14. **Davies G.M., Gray A., Domenech R. & Grau R. (2015). Ground fuels are the key to understanding peatland wildfire severity. 5th International Conference of Fire Effects on Soil Properties. University College Dublin, Eire, 14th-17th July 2015.*
13. *Grau R., Davies G.M., Waldron S., Gray A. & Scott M. (2015). Fuel and climate controls on peatland fire severity. 5th International Conference of Fire Effects on Soil Properties. University College Dublin, Eire, 14th-17th July 2015.*
12. *Grau R., Davies G.M., Waldron S., Gray A. & Scott M. (2015). Fire severity controls on peatland carbon dynamics [poster]. 5th International Conference of Fire Effects on Soil Properties. University College Dublin, Eire, 14th-17th July 2015.*
11. *Davies G.M. (2015). Wildfire effects on the carbon dynamics of temperate peatlands. The Ohio State University Carbon Management and Sequestration Center, Columbus OH, January 27th 2015.*
10. *Davies G.M., Gray A., Domenech Jordi R. & Johnson P. (2014). Variation in peatland wildfire severity – implications for ecosystem carbon dynamics. VII International Conference on Forest Fire Research. Coimbra, Portugal, 14th-21st November, 2014.*
9. **Davies G.M., Gray A. & Grau R. (2014). Fire regimes on temperate peatlands – why we worry about moss. Wildland Fire Canada. Halifax, Nova Scotia, October 7th-9th 2014.*
8. *Davies G.M., Gray A., Domenech Jordi R. & Johnson P. (2013). Variation in fire severity and the ecological impact of wildfires. Wildfire 2013, Cardiff, U.K., 22nd-23rd October 2013.*
7. *Davies G.M. (2013). Aldo Leopold's Land Ethic and the management of the British uplands. School of Interdisciplinary Studies Senior Seminar.*
6. **Davies G.M., Domenech Jordi R. & Gray A. (2013). Wildfire severity and moorland carbon dynamics. Knowledge for Wildfire (KfWf) seminar. Manchester, UK, 27th February 2013.*
5. *Davies G.M., Dettweiler-Robinson E., Dunwiddie P. & Bakker J.D. (2012). Tracking vegetation states and transitions in response to multiple wildfires in the sagebrush-steppe. British Ecological Society Annual Meeting, Birmingham, U.K., 17th-20th December 2012.*
4. *Davies G.M. (2012). Fuel consumption and carbon loss from a smouldering wildfire. Workshop on Smouldering Wildfires and the Earth System. Edinburgh, U.K. 27th July 2012.*
3. *Davies G.M., Bakker J., Dettweiler-Robinson E., Evans J., Dunwiddie P.W., Downs J. & Marsh M. (2011). Patterns and drivers of long-term change in sagebrush-steppe vegetation communities. International Association for Vegetation Science Annual Symposium. Vegetation in and around water: patterns, processes and threats. Lyon, France, 20th-24th June 2011.*
2. *Davies G.M., Bakker J., Dettweiler-Robinson E., Evans J., Dunwiddie P.W., Downs J. & Marsh M. (2011). Using multivariate control charts to communicate long-term changes in sagebrush-steppe vegetation communities. Columbia Basin Landscapes Workshop: Linking Science and Management to Improve Restoration Success in the Shrub Steppe. Kennewick, WA, 26th-28th April 2011.*
1. **Davies G.M., Dettweiler-Robinson E., Bakker J., Dunwiddie P.W., Evans J., Hall S.A. & Downs J. (2010). Multiple wildfires and trajectories of change in sagebrush-steppe ecosystems. In: Oregon Wildlife Society Annual Meeting. Bend, OR, 11th-12th February 2010.*

Submitted publications

3. Mitchell R.M., Vincent J.B., Bakker J.D. & **Davies G.M.** (in review) The relative importance of abiotic, biotic, and disturbance drivers on plant communities in a semi-arid ecosystem. *Ecology*. [Submitted Jan 2016]
2. **Davies G.M.**, Kettridge N., Stoof C.R., Gray A., Ascoli D., Fernandes P.M., Marrs R., Allen K.A., Doerr S.H., Clay G., McMorrow J., Vandvik V. (in review) The role of fire in U.K peatland and moorland management; the need for informed, unbiased debate. *Philosophical Transactions of the Royal Society B*. [Submitted Nov 2015; accepted subject to corrections Jan 2016]
1. **Davies G.M.** & Goebel P.C. Conifer plantations should be managed as complex novel ecosystems. *Forestry* [Submitted Jun 2015; rejected – currently in revision]

Funding proposals

Research grants secured or pending either as PI, Co-PI, contributing author (CA, where not eligible for PI/Co-PI status) or collaborator (COL)

Pending

Co-PI [lead author of proposal] (PI: Williams R.): SAFE PB: Seasonal variation in Appalachian Fire Effects - understanding the ecology of Prescribed Burning. Joint Fire Science Program, 2016-2019, \$198k [Submitted November 2015]

PI (Co-PIs: Rich V. & Bohrer G.): PRO Peat Bog: indicators for assessing the Potential for Restoration of Ohio's Peat Bog ecosystems. SEEDS Interdisciplinary Grant, 2016-2018, \$98k [Submitted October 2015]

Co-PI (PI: Basta N.): Soil amendments and plant communities for ecological restoration of an industrial site. Great Lakes Protection Fund, in prep.

Successful applications

COL (PI Burgos-Hernandez T.; CO-PIs Slater B. & Basta N.): Investigating soil quality and carbon balance for Ohio State University soils. OEE Research Funding in Energy, Environment and Sustainability. \$15k 2015-2016.

COL (PIs Vandvik V. & Velle L.-G.): Land use management to ensure ecosystem service delivery under new societal and environmental pressures in heathlands (LandPress). Norwegian Research Council, 2016-2019, \$887k

Co-PI [lead author of proposal]: Long-term SUCCESS: SUCCESSION and Ecosystem dynamics in the Sagebrush Steppe following wildfires. Joint Fire Science Program, 2015-2018, \$300k

Co-PI: Woodland ecosystems: developing an inter-disciplinary method for characterising and mapping the environmental legacies of past human actions. University of Glasgow Kelvin-Smith PhD Scholarship, 2014-2018, £60k

PI: Heathland regeneration following stock removal. Borders Forest Trust, 2013, £1.5k

PI: Development of a Teaching Garden for the Crichton Campus. Solway Heritage, 2013, £2.5k

PI: Vegetation structure and potential fire behaviour in an endangered savannah ecosystem. The Carnegie Trust for the Universities of Scotland, 2012, £1.8k

PI: Understanding the interacting effects of climate change and wildfire severity on peatland carbon dynamics. University of Glasgow Kelvin-Smith PhD Scholarship, 2012-2016, £55k

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PI: Development of a teaching and phenology garden for the Crichton Campus. University of Glasgow Chancellor's Fund, 2012, £10k

PI: Understanding the impact of severe wildfires on moorland carbon dynamics. Natural Environment Research Council, 2011-2013, £60k

PI: Participatory identification of research challenges for the Galloway and Southern Ayrshire Biosphere. Adam Smith Research Foundation Seedcorn Fund, 2011, £1.5k

Co-PI: Proposal for the Development of a Fire Behaviour Prediction System for Vegetation Fires in the UK: The FireBeaters Project Phase II. Scottish Natural Heritage, 2008-2009, £50k

Co-PI: Peat Fuel Moisture & Fire Test Monitoring Programme. The Met Office, 2007-2008, £50k

CA: Proposal for the Development of a Fire Behaviour Prediction System for Vegetation Fires in the UK. Scottish Government Wildfire Forum and Scottish Natural Heritage, 2006-2008, £250k

Unsuccessful applications

PI (Co-PI: Bergefurd B.): Improving the productivity and quality of woodland pawpaw patches [pre-proposal]. Sustainable Agriculture Research and Education Program North Central, 2016-2018, \$100k [Submitted June 2015; under revision]

CA: Establishing relationships between fire behaviour and ecosystem response for UK peatland fires. Natural Environment Research Council [UK NSF equivalent], 2016-2020, \$1.74M [Submitted June 2015; under revision]

Teaching and science communication

The Ohio State University

Curriculum development

- Led review of, and drafted new, Ecosystem Restoration specialization (2015)

Course/section leader or co-leader

- Rehabilitation/Restoration of Ecosystems (2015-present) ENR 5560
- Environment and Natural Resources Capstone (2016-present) ENR 4900.01

Contributed to

- Environment and Natural Resources Survey (Autumn 2015) ENR 1100
- Design Studio – power plant site rehabilitation (Autumn 2015) LARCH

Supervision

- Alyssa Jones, Undergraduate Research (2015-present) ENR 4998
- Liberty Brigner, Research with Distinction (2015-present) ENR 4999

Co-supervisor

- Roger Grau, PhD Student, University of Glasgow (2012-present)
- Thomas Muller, PhD Student, University of Glasgow (2014-present)

Committee member

- Ryan McCarthy, MS Student, EEOB (2015-present)
- Tania Burgos-Hernandez, PhD Student, SENR (2015-present)

University of Glasgow

Course leader

- Earth System Science (2011-2014) (2000 equivalent)
- Research Methods for Environmental Scientists (2012-2014) (2000 equivalent)
- Energy: options for sustainability (2012-2014) (2000 equivalent)

Gwilym Matthew Davies

- Restoration Ecology Field Course (2013-2014) (4000 equivalent)
- Environmental Stewardship Projects (2013-2014) (4000 equivalent)

Contributor

- Perspectives on the Environment (2014) (4000 equivalent)
- Writing the Environment (2014) (5000 equivalent)
- Climate Change Impacts on Ecology (2013) (5000 equivalent)

Supervision: 2 PhD students, 2 Master's students, 2 Honours student dissertations, 2 research technicians, 1 garden technician

University of Washington

Course leader

- Biotech, Biofuels and Biodiversity: challenges for agriculture (2010) (4000 equivalent)

Contributor

- Fire Ecology (2010) (5000 equivalent)

Supervision: 3 field technicians (2009-2010)

Recognition

- Associate of the Institute of Biodiversity, Animal Health and Comparative Medicine (University of Glasgow)
- Selected for Unit 5 (Biological Sciences) of University of Glasgow's submission to the 2014 UK Research Excellence Framework (<http://www.ref.ac.uk>)
- Recipient of University of Glasgow's Recognition and Reward for continued excellent achievement (2014)
- Visiting Researcher, School of Environment and Natural Resources, The Ohio State University (Jun 2013 to Aug 2013)

Service

Reviewing

- Reviewer for the journals *Biological Conservation*, *Canadian Journal of Forest Research*, *Fire Technology*, *Land Degradation and Development*, *International Journal of the Commons*, *Journal of Environmental Management*, *Plant Ecology and Diversity*, *Frontiers in Ecology and Evolution*, *Journal of Biogeography*, *Journal of the Torrey Botanical Society*, *Journal of Applied Ecology*, *Restoration Ecology*, *PLOS ONE*, *Journal of Mountain Science*, *Fire Ecology*, *Natural Hazards and Earth System Sciences*, *Journal of Hydrology*, *PeerJ*
- Associate Editor: *PeerJ*, *Fire Ecology*
- Grant reviewer for Natural Environment Research Council
- External PhD thesis examiner for Polytechnic University of Catalonia (2011), University of Bergen (2012), King's College London (2015), McMaster University (2015)
- Contributing Editor of "Wildfire" magazine (membership publication of IAWF)
- Member of the Scientific Advisory Panel for the "Forest Fires" (2008 and 2010)
- Member of Organising Committee for 5th International Conference on Fire Effects on Soil Properties (2015)
- Member of Scientific Committee for International Conference on Fire Behaviour and Risk (Italy, 2015)
- Judge: Denman Undergraduate Research Forum, 2015
- Judge: The Ohio Academy of Science, State Science Day 2015

Extension

- Invited contributor to review of UK vegetation fire statistics (2008)

- Invited contributor to Scottish review of management burning regulations (2012-2014)
- Associate Member of the Corehead and Devil's Beeftub Steering Group (2012-present)
- Member of the Dumfries Archival Mapping Project Steering Group (2012-2015)
- Member of the Scottish Wildfire Forum (Scottish Government Advisory Body; 2013-2014)
- Member of the Riparian Annan Water Project Steering Group (2014)
- Invited participant European Forest Risk Facility Workshop on forest fires (2014)
- Delivering training to land-managers in best practice and adaptive management
- Provided talks for the University of Glasgow's public engagement events programme
- Led development of the University of Glasgow Campus Teaching Garden
- Contributing Editor of "Wildfire" magazine (membership publication of IAWF)
- Met with Appalachia Ohio Alliance regarding peatland restoration. Facilitated during bid to purchase Utzinger Bog (2015)
- Met with Buckeye Lake Historical Society regarding management of Cranberry Bog (2015)
- Met with Columbus Ecological Restoration Program regarding invasive control at Tuttle Park (2015)

Committee appointments

Appointments prefixed with UoG for University of Glasgow and OSU for The Ohio State University

- *OSU* – Faculty mentor (11 students)
- *OSU* – SEEDS Grant Committee (2015-present)
- *OSU* – Graduate Studies Committee (2015-present)
- Search committee for Director of Restoration Ecology position at The Wilds (2015)
- *UoG* – Member of the School of Interdisciplinary Studies ethics committee
- *UoG* – School representative on the campus library committee
- *UoG* – School representative on the College of Social Sciences library committee

Training and personal development

- Completed S130 and S190 components of ENR 3335 to gain "red card" Wildland Fire Fighter Type II certification (2015)

Memberships

British Ecological Society, Botanical Society of Scotland, International Association of Wildland Fire, Society for Ecological Restoration, European Geosciences Union

References

Available upon request