James D. A. Millington

PhD · MSc · BSc (Hons) · PGCAP · FHEA · FRGS

Professor of Environmental Geography

Department of Geography, King's College London, Aldwych, London, WC2B 4BG, UK

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Profile

Environmental Geographer & Landscape Ecologist
Research on socio-ecological landscape dynamics, with a focus on land use/cover change & landscape fire.

Data Scientist & Computational Modeller
Technical expertise in spatial data analysis, plus development & application of computational simulation models.

Research Funding and Dissemination
Record of winning grants from RCUK & other sources, with strong publications (>70 articles + book chapters).

Teaching & Education
Innovating & leading learning across all university levels in Geography & Natural Resources depts. (UK & US).

Fieldwork Teaching & Research
Planning & leading data collection & learning in international locations (Kenya, Michigan, Morocco, Spain).

Education

PhD Geography
Department of Geography, King's College London, July 2007.
Thesis: *Modelling Land Use/Cover Change and Wildfire Regimes in a Mediterranean Landscape.*
Supervisors: Prof John Wainwright, Prof George L.W. Perry, Prof David Demeritt

MSc Environmental Monitoring, Modelling and Management (Distinction)
Department of Geography, King's College London, Sept. 2003.
Thesis: *Wildfire Frequency-Area Statistics and Their Ecological and Anthropogenic Drivers.*
Supervisor: Prof Bruce D. Malamud

BSc (Hons) Geography (First Class)
Department of Geography, King's College London, July 2002.
Thesis: *Modelling the Effects of Climate Change on Wildfire Risk for a Region in South East Spain.*
Supervisor: Prof George L.W. Perry

Postgraduate Certificate in Academic Practice (Distinction)
King's College London, Sept. 2015

Research Funding

Leverhulme Trust
Co-Investigator, *The Leverhulme Centre for Wildfires, Environment and Society*, Sep. 2019–Sep. 2029
Total funding of ~£10 million between multiple partners in the UK (led by Imperial College London) with ~£3.4 million to King's College London via Leverhulme Research Centre call. David Demeritt as King's principal investigator. JDAM contributing to bid formulation and co-leading 'Just Fire' work team with Kate Schreckenberg and Jay Mistry, supervising two PhD students and overseeing one postdoctoral research associate (to-date).

King's College London via UK Economic & Social Research Council (ESRC)
Co-Investigator, *Integrating Indigenous knowledge into wildfire management in multi-use landscapes of Southern Kenya*, Jan. 2025–Dec. 2025
Funding of £15,000 through King's ESRC Impact Acceleration Account, with support in-kind from The Leverhulme Centre for Wildfires, Environment and Society. JDAM contributing to bid formulation and co-leading work to run participatory workshops and develop an Integrated Fire Management plan with local stakeholders, contributing to a PhD student's research.

UK Natural Environment Research Council (NERC) via Newton Fund
Co-Investigator, *Towards environmental reconciliation in Páramo land in Boyacá: resolving ecosystem trade-offs in post-conflict spaces*, Aug. 2018–July 2021

Total funding of £1.3 million between multiple partners in UK with ~£600,000 to King's College London through the 'Exploring & Understanding Colombian Bio Resources' funding call. JDAM co-investigator at King's and overseeing one postdoctoral research associate with Terry Dawson and Mark Mulligan.

UK Natural Environment Research Council (NERC) via Belmont Forum

Co-Investigator, *Food Security and Land Use: The Telecoupling Challenge*, Feb. 2015–Feb. 2020
Total funding of €1.5 million between multiple partners in UK, USA, China & Brazil with £141,000 to King's College London through Food Security and Land Use Change programme. JDAM UK team lead & principal investigator at King's overseeing one postdoctoral research associate.

King's Together Fund

Joint Principal-Investigator, *Mapping Digital Humanitarianism: Confronting Opportunities and Challenges*, Sept. 2018–Dec. 2018
Total funding of £19,000 between Dickson Poon School of Law and Dept. of Geography at King's College London through 'Multi & Interdisciplinary Research Scheme'. JDAM joint PI, leading Geography component including international collaborative workshops, mapping events and writing.

Daphne Jackson Trust

Co-Investigator, *Simulating the Effects of Woodland Restoration and Management on the Flow of Ecosystem Services in the Future Climate*, Sept. 2016–Sept. 2018
Total funding of ~£100,000 with co-PIs Mark Mulligan and Lucie Jerabkova (LJ) to support LJ as postdoctoral research associate at King's College London through Daphne Jackson Trust Fellowship. JDAM co-author of proposal and overseeing LJ with Mark Mulligan.

UK Economic & Social Research Council (ESRC) & UK Dept. for International Development (DFID)

Co-Investigator, *Urban Africa Risk Knowledge (Urban ARK)*, Jan. 2015–Jan. 2018
Total funding of £3.3 million between multiple partners in UK & Africa with £800,000 to King's College London through ESRC-DFID Poverty Alleviation Programme. JDAM co-investigator at King's and overseeing one postdoctoral research associate and one PhD student for one work package with Bruce D. Malamud.

UK Natural Environment Research Council (NERC)

Co-Investigator, *Why we Disagree About Resilience: Epistemology, methodology and policy space for integrated disaster risk management (WhyDAR)*, Nov. 2016–July 2017
Total funding of £162,500 between multiple partners in UK & Africa with £137,000 to King's College London through the GCRF Building Resilience funding call. JDAM co-investigator at King's and overseeing one postdoctoral research associate with Bruce D. Malamud.

Leverhulme Trust

Principal Investigator, *Model Narratives for Climate Change Mitigation*, Jan. 2011–Dec. 2013
Total funding of approx. £150,000 (three years' salary and research expenses) to King's College London through Leverhulme Early Career Fellowship.

King's College London, Department of Geography

Principal Investigator, *Trialling Advanced Technologies for Mapping and Understanding Global Flows of Electronic Waste,* 2013. Funding of £1,200 to JDAM and Andrew Brooks through King's Department of Geography Research Stimulus Fund.

UK Economic & Social Research Council (ESRC) & Natural Env. Research Council (NERC)

Principal Investigator, *Modelling Wildfire and Land-Use Interactions in a Mediterranean Landscape*, Sept. 2003–Sept. 2006
Funding of approx. £90,000 (three years' fees, stipend and research expenses) to JDAM with George Perry supervisor through ESRC-NERC Interdisciplinary PhD Research Studentship.

UK Economic & Social Research Council (ESRC)

Principal Investigator, *University of Auckland, New Zealand* May–July 2005
Funding of £1,800 to JDAM through ESRC Overseas Institutional Visit Grants.

PUBLICATIONS

Citation Metrics

ORCID https://orcid.org/0000-0002-5099-0001
ISI Web of Science [https://bit.ly/JM_WoScites]: total citations 2371; h-index 25.
Scopus [http://bit.ly/JM_Scites]: total citations 2753; h-index 28.
Google Scholar [http://bit.ly/JM_GScites]: total citations 4528; h-index 33.

Edited Books

3. Francis, R.A., **Millington, J.D.A.**, Perry, G.L.W and Minor, E.S. (Eds.) (2022) *The Routledge Handbook of Landscape Ecology.* London: Routledge. ISBN: 978-0-36702-456-7
2. **Millington, J.D.A.** and Wainwright, J. (Eds.) (2016) *Agent-Based Modelling and Landscape Change.* Basel: MDPI. ISBN: 978-3-03482-281-5
1. Francis, R.A., **Millington, J.D.A.** and Chadwick, M.A. (Eds.) (2016) *Urban Landscape Ecology: Science, Policy and Practice.* London: Routledge. ISBN: 978-1-13888-851-7

Peer-Reviewed Articles

67. Muthiuru, A.C., **Millington, J.D.A.**, Chan, K. and Tebbs, E.J. (2026) Burned area trends and fire susceptibility in protected areas of Kenya: the potential roles of human activities and climate. *Fire Ecology.*
66. Silva, R.F.B., Altivo, F., Angelo, J., de Souza, D.S.L., Costa, H.S.C., **Millington, J.D.A.** and Viña, A. (2026) Who joins voluntary conservation programs? Socioenvironmental predictors of participation in tropical working landscapes. *Ambio*, 1-14
65. Yadav, K., Croker, A., Ford, A., Hayes, W., Kountouris, Y., **Millington, J.D.A.**, Mistry, J., Vicente, M.M., Perkins, O., Schreckenberg, K. and Smith, C. (2026) The Kananaskis Wildfire Charter: A Good Start. *Nature Communications*, 17, 2623.
64. Smith, C., Kasoar, M., Perkins, O., **Millington, J.D.A.** and Mistry J. (2026) Small-scale livelihood and cultural fire: Global spatiotemporal characteristics, and gaps in data. *PLoS One,* 21(1), e0339561.
63. Silva, R.F.B., **Millington, J.D.A.**, Dou, Y., Vancine, M.H., Silva Magnano, L.F., Viña, A., Bin, F., Huesca, M., Viera, S.A. and Liu, J. (2025) Secondary natural vegetation gains in the Atlantic Forest do not offset losses of carbon stocks and conservation of priority areas. *Biological Conservation,* 312, 111512.
62. Perkins, O., Haas, O. and **Millington, J.D.A.** (2025) The impact of livestock farming on global fire regimes. *Environmental Research Letters*, 20, 084072.
61. Silva, R.F.B., Altivo, F., **Millington J.D.A.**, Dou, Y., Viña, A., Cezar Ribeiro, M., Aparecida Vieira, A. and Liu, J. (2025) Positive effects of an Atlantic Forest program of payment for ecosystem services on native vegetation and pasture quality. *Perspectives in Ecology and Conservation*, 23(3), 191–199.
60. Perkins, O., Kasoar, M., Voulgarakis, A., Edwards, T., Haas, O. and **Millington, J.D.A.** (2025) The spatial distribution and temporal drivers of changing global fire regimes: A coupled socio-ecological modeling approach. *Earth's Future*, 13(5), e2024EF004770.
59. Smith, C. *et al.* incl. **Millington, J.D.A.** (2025) A global expert elicitation on present-day human–fire interactions. *Philosophical Transactions B*, 380(1924), 20230463.
58. Vigna, I., **Millington J.D.A.**, Ascoli, D., Comino E., Pezzoli A. and Besana A. (2024) A picit jeu: Agent-based modelling with serious gaming for a fire-resilient landscape. *Journal of Environmental Management*, 370, 122529.
57. Muthiuru, A.C. *et al.* incl. **Millington, J.D.A.** (2024) Human footprint and rainfall shape Masai giraffe's habitat suitability and connectivity in a multiple-use landscape. *Ecosphere,* 15(7), e4933.
56. Perkins, O., Kasoar, M., Voulgarakis, A., Smith, C., Mistry, J. and **Millington J.D.A.** (2024) A global behavioural model of human fire use and management: WHAM! v1.0. *Geoscientific Model Development,* 17(9), 3993–4016.
55. Smith, C. *et al.* incl. **Millington, J.D.A.** (2024) How policy interventions influence burning to meet cultural and small-scale livelihood objectives. *Ecology and Society,* 29(1), 35.
54. Perkins, O., Alexander, P., Arneth, A., Brown, C., **Millington, J.D.A.** and Rounsevell, M. (2023) Toward quantification of the feasible potential of land-based carbon dioxide removal. *One Earth*, 6(12),1638–1651.
53. Silva, R.F.B., **Millington, J.D.A.**, Viña, A., Dou, Y., Moran, E., Batistella, M., Lapola, D.M. and Liu, J. (2023). Balancing food production with climate change mitigation and biodiversity conservation in the Brazilian Amazon. *Science of The Total Environment*, 904, 166681.
52. Silva, R.F.B., Moran, E., **Millington, J.D.A.**, Viña, A. and Liu, J. (2023) Complex relationships between soybean trade destination and tropical deforestation. *Scientific Reports* 13:11254.
51. Brown, C., **Millington, J.D.A.**, and Rounsevell, M. (2023) Assessing the quality of land system models: moving from valibration to evaludation. *Socio-Environmental Systems Modelling* 5:18434–18434.
50. Silva, R.F.B., Moran, E., Viña, A., **Millington, J.D.A.**, Duo, Y., Viera, S.A., Lopez, M.C. and Liu, J. (2023) Toward a forest transition across the Brazilian Atlantic Forest biome. *Frontiers in Forests and Global Change* 6
49. Silva, R.F.B. *et al.* incl. **Millington, J.D.A.** (2023) Slow-down of deforestation following a Brazilian forest policy was less effective on private lands than in all conservation areas. *Communications Earth & Environment* 4:111.
48. **Millington, J.D.A.**, Perkins, O. and Smith, C. (2022) Human Fire Use and Management: A Global Database of Anthropogenic Fire Impacts for Modelling. *Fire* 5(4):87.
47. Perkins, O., Matej, S., Erb, K. and **Millington, J.D.A.** (2022) Towards a global behavioural model of anthropogenic fire: The spatiotemporal distribution of land-fire systems. *Socio-Environmental Systems Modelling*, 4:18130.
46. Ford A.E.S *et al.* incl. **Millington, J.D.A.** (2021) Modelling Human-Fire Interactions: Combining Alternative Perspectives and Approaches. *Frontiers in Environmental Science* 9:649835.

45. Herrick, C., Okpako, O. and **Millington, J.D.A.** (2021) Unequal ecosystems of global health authorial expertise: Decolonising noncommunicable disease. *Health and Place* 71 102670.
44. **Millington, J.D.A.**, Katerinchuk, V., Silva, R.F.B., Victoria, D.C. and Batistella, M. (2021) Modelling drivers of Brazilian agricultural change in a telecoupled world, *Environmental Modelling & Software* 105024.
43. Victoria, D.C., Silva, R.F.B., **Millington, J.D.A.**, Katerinchuk, V. and Batistella, M. (2021) Transport cost to port though Brazilian federal roads network: Dataset for years 2000, 2005, 2010 and 2017, *Data in Brief* 107070.
42. Silva, R.F.B., **Millington, J.D.A.**, Moran, E.F., Batistella, M., and Liu, J. (2020) Three decades of land-use and land-cover change in mountain regions of the Brazilian Atlantic Forest, *Landscape and Urban Planning* 204 10394.
41. Perkins, O. and **Millington, J.D.A.** (2020) The importance of agricultural yield elasticity for indirect land use change: a Bayesian network analysis for robust uncertainty quantification, *Journal of Land Use Science* 15(4) 509–531.
40. Silva, R.F.B., Batistella, M., **Millington, J.D.A.**, Moran, E., Martinelli, L.A., Dou, Y. and Liu, J. (2020) Three Decades of Changes in Brazilian Municipalities and Their Food Production Systems, *Land* 9(11) 422.
39. Muller, B. *et al.* incl. **Millington, J.D.A.** (2020) Modelling food security: Bridging the gap between the micro and the macro scale, *Global Environmental Change* 63 102085.
38. Taylor, F.E., **Millington, J.D.A.**, Jacob, E., Malamud, B.D. and Pelling. M. (2020) Messy maps: Qualitative GIS representations of resilience, *Landscape and Urban Planning* 198 103771.
37. Silva, R.F.B., Batistella, M., Moran, E.F., Celidonio, O. and **Millington, J.D.A.** (2020) The Soybean Trap: Challenges and Risks for Brazilian Producers, *Frontiers in Sustainable Food Systems* 4 12.
36. Heasley, E.L., **Millington, J.D.A.**, Clifford, N.J., Chadwick, M.A. (2020) A waterbody typology derived from catchment controls using self-organising maps, *Water* 12(1) 78.
35. Young, C., Bellamy, C., Burton, V., Griffiths, G., Metzger, M.J., Neumann, J., Porter, J. and **Millington, J.D.A.** (2020) UK Landscape Ecology: Trends and perspectives from the first 25 Years of ialeUK, *Landscape Ecology* 35 11–22.
34. Dou, Y., **Millington, J.D.A.**, Silva, R.F.B., Batistella, M., Liu, J. *et al.* (2019) Land-use changes across distant places: design of a telecoupled agent-based model, *Journal of Land Use Science* 14(3) 191–209.
33. Francis, R.A., **Millington, J.D.A.** and Cederlof, G. (2019) Undergraduate student perceptions of assessment and feedback practice: fostering agency and dialogue, *Journal of Geography in Higher Education* 43(4) 468–485.
32. Borie, M., Ziervogel, G. Taylor, F.E., **Millington, J.D.A.**, Sitas, R. and Pelling, M. (2019) Mapping (for) resilience across city scales: An opportunity to open-up conversations for more inclusive resilience policy? *Environmental Science & Policy* 99 1–9.
31. Silva, R.F.B., Batistella, M., Palmieri, R., Dou, Y. and **Millington, J.D.A.** (2019) Eco-certification protocols as mechanisms to foster sustainable environmental practices in telecoupled systems, *Forest Policy and Economics* 105 52–63.
30. Heasley, E., Clifford, N.J. and **Millington, J.D.A.** (2019) Integrating network topology metrics into studies of catchment-level effects on river characteristics, *Hydrology and Earth System Sciences* 23 2305–2319.
29. Huber, R. *et al.* incl. **Millington, J.D.A.** (2018) Representation of decision-making in European agricultural agent-based models, *Agricultural Systems* 167 143–160.
28. Liu, J. *et al.* incl. **Millington, J.D.A.** (2018) Spillover systems in a telecoupled Anthropocene: typology, methods, and governance for global sustainability, *Current Opinion in Environmental Sustainability,* 33 58–69.
27. Xiong, H., **Millington, J.D.A.**, and Xu, X. (2018) Trade in the telecoupling framework: evidence from the metals industry, *Ecology and Society,* 23(1):11.
26. **Millington, J.D.A.**, Xiong, H., Peterson, S. and Woods, J. (2017) Integrating modelling approaches for understanding telecoupling: global food trade and local land use, *Land*, 6(3) 56.
25. Bush, A. *et al.* incl. **Millington, J.D.A.** (2017) Connecting Earth observation to high-throughput biodiversity data. *Nature Ecology and Evolution*, 1 0176.
24. **Millington, J.D.A.** and Wainwright, J. (2017) Mixed qualitative-simulation methods: Understanding geography through thick and thin. *Progress in Human Geography*, 41(1) 68–88.
23. Seijo, F., **Millington, J.D.A.**, Gray, R.W. *et al.* (2017) Divergent Fire Regimes in Two Contrasting Mediterranean Chestnut Forest Landscapes, *Human Ecology*, 45(2) 205–219.
22. Sun, Z., Lorscheid, I., **Millington, J.D.A.** *et al.* (2016) Simple or complicated agent-based models? A complicated issue. *Environmental Modelling and Software*, 86 56–67.
21. Fischer, A.P. *et al.* incl. **Millington, J.D.A.** (2016) Wildfire risk as a socioecological pathology. *Frontiers in Ecology and Environment*, 14(5) 276–284.
20. Seijo, F., **Millington, J.D.A.** *et al.* (2015) Forgetting fire: Traditional fire knowledge in two chestnut forest ecosystems of the Iberian Peninsula and its implications for European fire management policy. *Land Use Policy,* 47 130–144.
19. **Millington, J.D.A.,** Butler, T. and Hamnett, C. (2014) Aspiration, Attainment and Success: An agent-based model of distance-based school allocation. *Journal of Artificial Societies and Social Simulation,* 17(1) 10.

18. Müller, B. *et al.* incl. **Millington, J.D.A.** (2014) Standardised and transparent model descriptions for agent-based models: Current status and prospects. *Environmental Modelling & Software,* 55 156–163.
17. **Millington, J.D.A.**, Walters, M.B., Matonis, M.S. and Liu, J. (2013) Filling the gap: A compositional gap regeneration model for managed northern hardwood forests. *Ecological Modelling,* 253 17–27.
16. **Millington, J.D.A.**, Walters, M.B., Matonis, M.S. and Liu, J. (2013) Modelling for forest management synergies and trade-offs: Northern hardwood tree regeneration, timber and deer. *Ecological Modelling,* 248 103–112.
15. **Millington, J.D.A.**, O'Sullivan, D. and Perry, G.L.W. (2012) Narrative explanation in generative simulation modelling. *Geoforum,* 43(6) 1025–1034.
14. **Millington, J.D.A.**, Demeritt, D. and Romero-Calcerrada, R. (2011) Participatory evaluation of agent-based land use models. *Journal of Land Use Science,* 6(2) 195–210.
13. **Millington, J.D.A.**, Walters, M.B., Laurent, E.J. *et al.* (2011) Combined long-term effects of variable tree regeneration and timber management on forest songbirds and timber production. *Forest Ecology and Management,* 262 718–729.
12. **Millington, J.D.A.** and Perry, G.L.W. (2011) Multi-model inference in biogeography. *Geography Compass,* 5(7) 448–530.
11. Matonis, M.S., Walters, M.B. and **Millington, J.D.A.** (2011) Gap-, stand-, and landscape-scale factors contribute to poor sugar maple regeneration after timber harvest. *Forest Ecology and Management,* 262 286–298.
10. Wainwright, J. and **Millington, J.D.A.** (2010) Mind, the Gap in Landscape-Evolution Modelling. *Earth Surface Processes and Landforms,* 35(7) 842–855.
9. **Millington, J.D.A.**, Walters, M.B., Matonis, M.S. and Liu, J. (2010) Effects of local and regional landscape characteristics on wildlife distribution across managed forests. *Forest Ecology and Management,* 259 1102–1110.
8. Romero-Calcerrada, R., Barrio-Parra, F., **Millington, J.D.A.** and Novillo, C.J. (2010) Spatial modelling of socioeconomic data to understand patterns of human-caused wildfire ignition risk in the SW of Madrid (central Spain). *Ecological Modelling,* 221(1) 34–45.
7. **Millington, J.D.A.**, Wainwright, J., Perry, G.L.W. *et al.* (2009) Modelling Mediterranean landscape succession-disturbance dynamics: A landscape fire-succession model. *Environmental Modelling and Software,* 24 1196–1208.
6. **Millington, J.D.A.**, Romero-Calcerrada, R., Wainwright, J. and Perry, G.L.W. (2008) An agent-based model of Mediterranean agricultural land-use/cover change for examining wildfire risk. *Journal of Artificial Societies and Social Simulation,* 11(4) 4.
5. Romero-Calcerrada, R., Camacho, C.J., **Millington, J.D.A.** and Gomez-Jimenez, I. (2008) GIS analysis of spatial patterns of human-caused wildfire ignition risk in the SW of Madrid (Central Spain). *Landscape Ecology,* 23 34–54.
4. Perry, G.L.W. and **Millington, J.D.A.** (2008) Spatial modelling of succession-disturbance dynamics in terrestrial ecological systems. *Perspectives in Plant Ecology, Evolution and Systematics,* 9(3-4) 191–210.
3. **Millington, J.D.A.**, Perry, G.L.W. and Romero-Calcerrada, R. (2007) Regression techniques for examining land use/cover change: A case study of a Mediterranean landscape. *Ecosystems,* 10(4) 562–578.
2. Malamud, B.D., **Millington, J.D.A.** and Perry, G.L.W. (2005) Characterizing wildfire regimes in the USA. *Proceedings of the National Academy of Science,* 102(13) 4694–4699.
1. **Millington, J.D.A.** (2005) Wildfire risk mapping: considering environmental change in space and time. *Journal of Mediterranean Ecology*, 6(1) 33–42.

Other Articles

8. Silva, R.F.B., **Millington, J.D.A.** *et al.* (2024) Harvesting dilemmas. *One Earth* 7(7) 1134–1136.
7. Kasoar, M., Perkins, O., **Millington J.D.A.**, Mistry, J. and Smith, C. (2024) Model fires, not ignitions: the human dimension of global fire regimes. *Cell Reports Sustainability*, 1(6) 100128.
6. **Millington, J.D.A.** and Hu, R. (2024) Inaugural editorial of Discover Conservation. *Discover Conservation,* 1(1).
5. Taylor, F.E., Malamud, B.D. and **Millington, J.D.A** (2018) Assessing multi-hazard risk to urban infrastructure using lowcost GIS techniques. *Urban Africa Risk Knowledge Briefing,* IIED: G04325.
4. **Millington, J.D.A** and Wainwright, J. (2016) Comparative Approaches for Innovation in Agent-Based Modelling of Landscape Change. *Land,* 5(2) 13.
3. **Millington, J.D.A.** (2012) Using social psychology theory for modelling farmer decision-making *In:* Seppelt, R. *et al.* (Eds.) *Proceedings of iEMSs 2012 International Congress on Environmental Modelling and Software,* Germany, 2485–2492.
2. **Millington, J.D.A.**, O'Sullivan, D. and Perry, G.L.W. (2012) Narrative explanation of agent decision-making *In:* Seppelt, R. *et al.* (Eds.) *Proceedings of iEMSs 2012 International Congress on Environmental Modelling and Software,* Germany, 2660–2665.
1. McConnell, W.J., **Millington, J.D.A.** *et al.* (2011) Research on Coupled Human and Natural Systems (CHANS): Approach, Challenges, and Strategies. *Bulletin of the Ecological Society of America,* 92 218–228.

Book Chapters

12. **Millington, J.D.A.** (2023) Simulation and reduced complexity models *In:* Clifford *et al.* (Eds.) *Key Methods in Geography.* (4th ed.) London: SAGE, 445–469.
11. **Millington, J.D.A.** (2022) Scale and hierarchy in landscape ecology *In:* Francis *et al.* (Eds.) *The Routledge Handbook of Landscape Ecology*. Abingdon: Routledge, 49-66.
10. **Millington, J.D.A.**, Debus, A. and Fouilloux, A. (2022) Exploring Land Cover Data (Impact Observatory) *The Environmental Data Science Book*.
9. Boutamina, S., **Millington, J.D.A.**, Miles, S. (2018) Bottleneck Patterns in Provenance *In:* K. Belhajjame *et al.* (Eds.): *Provenance and Annotation of Data and Processes*, Springer, 212-216.
8. **Millington, J.D.A.** (2016) Simulation and reduced complexity models *In:* Clifford *et al.* (Eds.) *Key Methods in Geography.* (3rd ed.) London: SAGE, 400–422.
7. Francis, R.A., **Millington, J.D.A.** and Chadwick, M.A. (2016) An overview of landscape ecology in cities *In:* Francis, R.A., Millington, J.D.A. and Chadwick, M.A. (Eds.) *Urban Landscape Ecology: Science, Policy and Practice.* London: Routledge, 1–18.
6. Hochstrasser, T., **Millington, J.D.A.** *et al.* (2014) The study of land degradation in drylands: State of the art *In:* Mueller, E.N., Wainwright, J., Parsons, A.J. and Turnbull, L. (Eds.) *Patterns of Land Degradation in Drylands.* Springer, 13–54.
5. Jeltsch, F. *et al.* incl. **Millington, J.D.A.** (2014) Resilience, self-organization, complexity and pattern formation *In:* Mueller, E.N., Wainwright, J., Parsons, A.J. and Turnbull, L. (Eds.) *Patterns of Land Degradation in Drylands.* Springer, 55–84.
4. Mueller, E.N. *et al.* incl. **Millington, J.D.A.** (2014) Land degradation in drylands: Reëvaluating pattern-process interrelationships and the role of ecogeomorphology *In:* Mueller, E.N., Wainwright, J., Parsons, A.J. and Turnbull, L. (Eds.) *Patterns of Land Degradation in Drylands.* Springer, 367–383.
3. **Millington, J.D.A.**, Wainwright, J. and Mulligan, M. (2013) Representing human activity in environmental modelling *In:* Wainwright, J. and Mulligan, M. (Eds.) *Environmental Modelling: Finding Simplicity in Complexity.* (2nd ed.) Oxford: Wiley-Blackwell, 291–307.
2. O'Sullivan, D., **Millington, J.D.A.**, Perry, G.L.W. and Wainwright, J. (2012) Agent-based models – because they're worth it? *In:* Heppenstall, A.J., Crooks, A.T., See, L.M. and Batty, M. (Eds.) *Agent-Based Models of Geographical Systems.* Springer, 109–123.
1. **Millington, J.D.A.**, Perry, G.L.W. and Malamud, B.D. (2006) Models, data and mechanisms: quantifying wildfire regimes *In:* Cello, G., Malamud, B. D., and Davey, P. (Eds.) *Fractal Analysis for Natural Hazards.* Geological Society, London, 155–167.

Book Reviews

3. **Millington, J.D.A.** (2009) New models for ecosystem dynamics and restoration Hobbs, R.J. and Suding, K.N. (Eds.) *Landscape Ecology* 24(9) 1269–1270.
2. **Millington, J.D.A.** (2009) A companion to environmental geography Castree, N., Demeritt, D., Liverman, D. and Rhoads, B. (Eds.) *Progress in Physical Geography* 33(3) 445–447.
1. **Millington, J.D.A.** (2007) Engaging the future: forecasts, scenarios, plans, and projects Hopkins, L.D. and Zapata, M.A. (Eds.) *Environment and Planning A* 39 2797–2798.

Code

11. Vigna I. and **Millington J.D.A.** (2024) *A Picit Jeu: an Agent-Based Model for role-playing game (Version 1.0.0).* [Online] Available at: https://doi.org/10.25937/pcw6-s385
10. Perkins, O., **Millington, J.D.A.**, Kasoar, M., Voulgarakis, A., & Edwards, T. (2024) WHAM-INFERNO. [Online] Available at: https://doi.org/10.5281/zenodo.10658678
9. Perkins, O., Kasoar, M., **Millington, J.D.A.**, Voulgarakis, A., Mistry, J., and Smith, C. (2023) *Wildfire Human Agency Model: v1.0 First revision*. [Online] Available at: https://doi.org/10.5281/zenodo.10142828
8. **Millington, J.D.A.**, Debus, A. and Fouilloux, A. (2022) Exploring Land Cover Data (Impact Observatory) *The Environmental Data Science Book*. ROHub. 21 Sep 2022. [Online] Available at: https://w3id.org/ro-id/b128b282-dee7-44a7-bc21-f1fd21452a83
7. **Millington, J.D.A.**, Okpako, O. and Herrick, C. (2021) *Analysis of non-communicable disease reports contributing to UN high-level meeting process (2000-2020) (Version v1.0.0)*. [Online] Available at: https://doi.org/10.5281/zenodo.5236553
6. Lane, A. and **Millington, J.D.A.** (2021) *Maestro Solo (Version v1.0.1)* [Online] Available at: http://doi.org/10.5281/zenodo.4570115
5. **Millington, J.D.A.** (2020a) *CRAFTY-Brazil Inputs (Version v1.0.0).* [Online] Available at: http://doi.org/10.5281/zenodo.3746050
4. **Millington, J.D.A.** (2020b) *Brazil Agri Analysis (Version v1.0.0).* [Online] Available at: http://doi.org/10.5281/zenodo.3746125

3. **Millington, J.D.A.** (2020c) *CRAFTY-Brazil (Version v1.0.1).* [Online] Available at: http://doi.org/10.5281/zenodo.3746072
2. **Millington, J.D.A.** (2019) *CRAFTY-Brazil Input Maps (Version v.1.0.0).* [Online] Available at: http://doi.org/10.5281/zenodo.3549788
1. Ferretti, M., Reades, J. and **Millington, J.D.A.** (2019) *Code Camp (Version v1.0)* [Online] Available at: http://doi.org/10.5281/zenodo.3474043
   More code available at: https://github.com/jamesdamillington

Data

7. Smith, C., Perkins, O., **Millington, J.D.A.**, De Freitas, K., & Mistry J. (2024). *GFUS: a data repository & dashboard on human-fire interactions.* doi: https://doi.org/10.5281/zenodo.10671047
6. Perkins, O., **Millington, J.D.A.**, Kasoar, M., Voulgarakis, A., Smith, C., and Mistry, J, (2023) *Data for running WHAM! v1.0* [Online] Available at: https://zenodo.org/record/8363979
5. Okpako, O., Herrick, C. and **Millington, J.D.A.** (2021) *Database of non-communicable disease reports contributing to UN high-level meeting process (2000-2020) (1.0.0).* Zenodo. Dataset. [Online] Available at: https://doi.org/10.5281/zenodo.5236440
4. Perkins, O. and **Millington, J.D.A.** (2021) *DAFI: A Global Database of Anthropogenic Fire.* figshare. Collection. [Online] Available at: https://doi.org/10.6084/m9.figshare.c.5290792.v1
3. Victoria, D.C., Silva, R.F.B, **Millington, J.D.A.**, Katerinchuk, V. and Batistella, M. (2020) *Transport Cost to Ports through Brazilian Federal Roads Networks: Dataset for years 2000, 2005, 2010 and 2017.* Mendeley Data. [Online] Available at: http://doi.org/10.17632/6xbjzyz3th.1
2. Perkins, O. and **Millington, J.D.A.** (2020) Supporting files for *The importance of agricultural yield elasticity for indirect land use change: A Bayesian network analysis for robust uncertainty quantification*. figshare. Collection. [Online] Available at: https://doi.org/10.6084/m9.figshare.c.4805667.v8
1. **Millington J.D.A.,** Bellamy C., Burton V., Griffiths G., Metzger M.J., Neumann J., Porter J. and Young C. (2019) *Quantitative summary of abstracts from ialeUK conferences 1992-2017.* figshare. Dataset. [Online] Available at: https://doi.org/10.6084/m9.figshare.9746312.v2

Academic Esteem & Service

Fellowships & Studentships

Leverhulme Early Career Fellowship, Jan. 2011–Sept. 2013.
ESRC-NERC Interdisciplinary PhD Research Studentship, Sept. 2003–Dec. 2006.

Invited Workshop Participant

8. *Towards quantifying adaptive capacity of forests in Europe from a social-ecological perspective,* Technical University of Munich, Freising, Germany, Apr. 2025.
7. *Large-scale behavioural models*, Karlsruhe Institute of Technology, Germany [virtual meeting], May 2020.
6. *Modelling approaches to enhance food security*, Helmholtz Centre for Environmental Research GmbH – UFZ, Leipzig, Germany, Mar. 2018.
5. *Theoretical foundations and empirical specification of decision rules in agricultural agent-based modelling approaches: Current state and future prospects*, Swiss National Science Foundation-funded workshop, ETH Zurich, Switzerland, Jan. 2017.
4. *Coupled Natural-Human Systems in Fire-Prone Ecosystems: Interconnections and Research Needs*, US National Science Foundation-funded workshop, Oregon State University, Bend, OR, USA, Aug. 2014.
3. *Self-organised Ecogeomorphic Systems: Confronting Models with Data for Land-Degradation in Drylands*, European Science Foundation-funded workshop, Potsdam, Germany, June 2010.
2. *General Integration of the Applications of Complexity in Science: Applications of Complex Systems to Social Sciences*, EU-funded NEST Summer School, Kazimierz Dolny, Poland, Sept. 2006.
1. *Emerging Theories and Methods in Sustainability Research: Analysing Complexity*, EU-funded Marie Curie Summer School, The Autonomous University of Barcelona, Barcelona, Spain, June 2006.

Invited Speaker

15. *Department Seminar,* ITC, University of Twente, Enschede, Netherlands, May 2024.
15. *Global Land Programme Telecoupling Webinar Series*, Online, Sept. 2020.
14. *ialeUK Landscape Connections Webinar Series*, Online, June 2020.
13. *Global Land Programme 4th Open Science Meeting*, Bern, Switzerland, April 2019.
12. *Agent-Based Modelling of Land Use Workshop*, University of Edinburgh, Edinburgh, UK, May 2015.
11. *Department of Geography Seminar Series*, University of Auckland, Auckland, New Zealand, May 2013.
10. *Centre for Biodiversity and Biosecurity Seminar Series*, University of Auckland, Auckland, New Zealand, May 2013.
9. *Harvard Forest Lab Group Seminar Series*, Harvard University, Petersham, MA, USA, April 2012.

8. *Centre for Environmental Change and Sustainability Seminar Series*, University of Edinburgh, UK, Nov. 2011.
7. *Environmental Monitoring and Modelling Seminar Series*, King's College London, London, UK, Nov. 2011.
6. *Ecological Modelling Seminar*, Helmholz Centre for Environmental Research, Leipzig, Germany, May 2011.
5. *Hanover Forest Science Seminar Series*, Michigan State University, Lansing, MI, USA, Feb. 2010.
4. *Pharmaceuticals in the Environment: Current Trends and Research Priorities*, Michigan State University, Lansing, MI, USA, Nov. 2007.
3. *Graduate Student Organisation Seminar Series*, Department of Fisheries and Wildlife, Michigan State University, Lansing, MI, USA, Nov. 2007.
2. *Scale-invariance and scale dependence in earth structure and dynamics* [presentation and panel discussant], British Geophysical Association Conference, London, UK, March 2006.
1. *School of Geography and Environmental Science Seminar Series*, University of Auckland, Auckland, New Zealand, May 2005.

Association Leadership

Global Land Programme/AIMES, BeModeLS: Behavioural Models of Land Systems Working Group, Coordinator, 2022–Present.
International Association for Landscape Ecology, UK Chapter, Membership Secretary & Publicity, 2022–Present.
International Association for Landscape Ecology, UK Chapter, Board Member, 2014–Present.

Journal Editorship

Section Editor, *Discover Conservation*, Landscape and Ecosystem Conservation, 2024–Present.
Associate Editor, *Landscape Ecology,* 2025–Present.
Editorial Board, *LAND*, 2016–Present.
Associate Editor, *Plant Ecology*, 2013–2025.
Special Section Editor, *GEO: Geography and Environment*, Mapping human-fire interactions: challenges and innovations, 2026
Special Issue Editor, *LAND,* Policies, Programs and Tools for Conservation and Sustainability in Tropical Landscapes, 2025.
Special Issue Editor, *LAND*, Agent-Based Modelling and Landscape Change, 2016.

Journal Manuscript Reviewer [http://bit.ly/JM_Publons]

Reviewer of over 65 manuscripts for more than 40 journals, including: Advances in Complex Systems; American Naturalist; Annals of Forest Science; Anthropocene; Area; BMC Ecology; Canadian J. of Zoology; Ecological Applications; Ecological Complexity; Ecological Modelling; Ecology and Society; Ecosphere; Ecosystems; Environment and Planning A; Environmental Conservation; Environmental Modelling & Software; Forest Ecology and Management; Global Ecology and Biogeography; Global Environmental Change; International J. of GIS; International J. of Wildland Fire; JASSS – J. of Artificial Societies and Social Simulation; J. of Environmental Policy and Planning; J. of Geographical Systems; J. of Land Use Science; J. of Nature Conservation; Journal of Open Source Software; Land; Land Use Policy; Landscape Ecology; Mammal Review; Natural Hazards; Nature Ecology & Evolution; Plant Ecology; Pyrogeography; SESMO – Socio-Environmental Systems Modelling; Sustainability; Transactions in GIS; Tropical Conservation Science.

Research Grant Proposal Reviewer

EU 7th Framework Programme, 2009.
EU BiodivERsA, 2020.
Royal Geographical Society, 2020, 2017, 2016.
Swiss National Science Foundation, 2023.
UK Economic and Social Research Council (ESRC), 2014, 2023.
UK Natural Environment Research Council (NERC), 2021, 2025.
US National Science Foundation (NSF), 2009.
US-Israel Agricultural Research & Development Fund, 2017.

Advisory Board

UKRI Frontier Research Grant, *ECOMEDS: Economic and cultural connections within Mediterranean ecosystems, c.1250-c.1550*, Sept. 2023–Aug. 2028.

Conference & Workshop Organisation

10. Scientific Committee, *Landscape perspectives in a rapidly changing world*, IALE 2025 European Landscape Ecology Congress, Bratislava, Slovakia, Sept. 2025.
9. Conference Session co-convenor, *Behavioural Land Systems Models for Imagining and Evaluating Alternative Futures*, 5th Global Land Programme Open Science Meeting, Oaxaca, Mexico, Nov. 2024.
8. Conference Session co-convener, *Fire – whose maps count?*, RGS-IBG Annual International Conference 2024, London, UK, Aug. 2024.

7. Conference Session co-convener, *The socio-ecological dynamics of Anthropocene wildfire regimes*, European Geosciences Union General Assembly, Vienna, Austria, May 2022.
6. Conference Session co-convenor, *Emergent Effects in Telecoupled Systems: Challenges and Lessons for Governing Local Land-use in a Globally Connected World*, Global Land Programme 4th Open Science Meeting, Bern, Switzerland, Apr. 2019.
5. Workshop co-organiser, *Mapping Digital Humanitarianism*, King's College London, London, UK, February 2019.
4. Workshop co-organiser, *The Future of Geocomputation*, King's College London, London, UK, December 2016.
3. Conference Organiser, *Urban Landscape Ecology: Science, Policy and Practice,* International Association for Landscape Ecology (UK) Annual Conference, London, UK, Sept. 2014. Full details available online: http://www.iale.uk/conference2014.
2. Conference Session co-convener, *Wildfires*, European Geophysics Union General Assembly, Nice, France and Vienna, Austria, 2005, 2006, 2008 & 2009.
1. Conference Session Chair, *Landscape Change*, US Regional Association of the International Association for Landscape Ecology Annual Meeting, Madison, WI, USA, Apr. 2008.

EMPLOYMENT

Professor of Environmental Geography

Department of Geography, King's College London, Aug. 2025–Present.
World-leading research and publishing plus research-led teaching and administrative leadership.

Reader in Landscape Ecology

Department of Geography, King's College London, Oct. 2021–July 2025.
World-leading research and publishing plus research-led teaching and administrative leadership.

Senior Lecturer in Geography

Department of Geography, King's College London, Sept. 2017–Sept. 2021.
Undergraduate and postgraduate research-led teaching plus research, publishing and administrative leadership.

Lecturer in Physical & Quantitative Geography

Department of Geography, King's College London, Sept. 2013–Aug. 2017.
Undergraduate and postgraduate research-led teaching plus research, publishing and administrative roles.

Research Fellow

Department of Geography, King's College London, Jan. 2011–Aug. 2013.
Innovative research on interdisciplinary uses of agent-based modelling and simulation.

Visiting Research Associate

Center for Systems Integration & Sustainability, Michigan State University, USA, May 2007–Nov. 2010.
Fieldwork and analysis for development of a forest simulation model of analysis of resource use trade-offs.

Adjunct Instructor

Department of Fisheries and Wildlife, Michigan State University, USA, Aug. 2008–Dec. 2008.
Taught postgraduate (800-level) class on Systems Modelling and Simulation for Fisheries and Wildlife students.

Undergraduate Personal Tutor

Department of Geography, King's College London, Sept. 2005–June 2006.
Tutor to first- and second-year undergraduate students.

Teaching Assistant

Department of Geography, King's College London, Sept. 2003–June 2006.
Contributed to laboratory learning & marking assessments across Physical Geography (including fieldwork).

UNIVERSITY ADMINISTRATION (KING'S COLLEGE LONDON)

Research

Co-Chair, Political Ecology, Biodiversity and Ecosystem Services Research Group, Sept. 2024–Present.
Chair, Physical & Environmental Geography Research Group, Oct. 2022–Aug. 2024.
Chair, Geocomputation Research Domain [http://kingsgeocomputation.org], May 2015–Sept. 2019.
Member, Dept. of Geography Research Executive, May 2015– Sept. 2019, Oct. 2022–Present.
Member Recruitment Panel, Lecturer in Physical Geography & Spatial Data Science, May 2025.
Member Recruitment Panel, Lecturer in Risk, Environment and Society (x3), April 2023.
Member Recruitment Panel, Lecturer in Natural and Environmental Hazards, April 2023.
Member Recruitment Panel, Lecturer in Physical Geography & Environmental Science, June 2023.
Member Recruitment Panel, Lecturer in Climate Change & Environmental Science, June 2023.
Member Recruitment Panel, Lecturer in Natural Hazards, July 2023.

Chair, Search Committee, Research Associate in Telecoupling, May 2016.
Member, Search Committee, Lecturer in Spatial Analysis, Apr. 2016.
Member, Search Committee, Reader in Geocomputation and Spatial Analysis, July 2015.
Member, Search Committee, Research Associate UrbanARK, Mar. 2015.

Postgraduate Research

Member, ESRC LISS DTP Recruitment Panel, March 2024.
Member, CANES ESPRC CDT Recruitment Panel, March 2017.
Member, College CASE Studentship Review Panel, 2015–2016.
Deputy Admissions Tutor, Dept. of Geography, Jan. 2014–July 2016.
Member, Dept. of Geography Postgraduate Research Committee (PARC), Jan. 2014–July 2016.

Postgraduate Taught

Deputy Chair, Dept. of Geography Sub-Board of Examinations, 2017.
Chair, Dept. of Geography Sub-Board of Examinations, 2016.
Member, Faculty of Social Science & Public Policy Board of Examinations, 2016.
Member, Dept. of Geography PGT Board of Studies, Jan. 2016– Oct. 2017.
Programme Director and Admissions Tutor, MSc Env. Monitoring, Modelling & Mgmt., Sept. 2013–Aug. 2017.
Programme Director and Admissions Tutor, MSc Geography, Sept. 2013–Aug. 2016.
Careers and Employability Officer, Jan. 2017– Sept. 2019.

Undergraduate

Admissions Tutor, Dept. of Geography, Sept. 2020–Present.
Chair, Dept. of Geography Undergraduate Board of Studies, Sept. 2017–Sept. 2019.
Careers and Employability Officer, Jan. 2017– Sept. 2019.
Member, Search Committee and Interview Panel, Teaching Fellows in Physical Geography, July 2017.

TEACHING

PhD Research (King's College London)

Supervisor: Verena Achterberg, *Evaluating the impact of fire on the sustainability of vegetation recovery in Brazil's Atlantic Forest* funded via NERC TREES DLA, Sept. 2025–Present.
Supervisor: Monika Moreu Vicente, *Future Landscapes and Fire Regimes in a Rural Mediterranean Social Ecological Systems* funded via Leverhulme Wildfire Centre, Sept. 2024–Present.
Supervisor: Amos Chege Muthiuru, *Wildfire in African Savanna: Causes and effects, dynamics and management in changing climate and human interactions* funded via Leverhulme Wildfire Centre, July 2023–Present.
Supervisor: Viera Ukropkova, *Corporate and financial actors' impacts on deforestation and forest fires in the tropics*, Feb. 2021–Present.
Supervisor: Oliver Perkins, *Agent-based modelling of global anthropogenic fire*, funded via Leverhulme Wildfire Centre, Jan. 2020–December 2023.
Supervisor: Andrew Lane, *Spatio-temporal dynamics of interacting social and natural drivers of terrestrial ecological disturbance regimes*, funded via EPSRC CANES DTC, Sept. 2016–July 2023.
Supervisor: Eleanore Heasley, *Characterising the catchment effect on physical habitats in UK rivers*, funded via London NERC DTP, June 2016–June 2020.
Supervisor: Mattia Mancini, *Modelling complexity in coupled human and natural systems*, funded via London NERC DTP, Apr. 2016–Dec. 2020
Co-Supervisor: Bernard Majani, *Understanding multi-hazards in urban Africa*, funded via King's College London and UrbanARK with Bruce D. Malamud, June 2016–December 2023.
Second Supervisor: Jiaxi Yang, 2026–Present; Toby Wainwright, 2024–Present; Jonathan Sutton, 2024–Present; Bowen Zhang, 2020–2024; Claudia Gutierrez Arellano 2015–2020; Mark De Jong 2014–2019; Yu Kyung Oh 2016–2018; Josh Johnston 2013–2016.
Upgrade Panel: Nikki Kostur, 2025; Benjamin Graves, 2024; Jonathan Sutton, 2024; Martha Gallardo, 2023; Henry Thompson, 2023; Zosia Ladds, 2022; Seung Won Eo, 2020; Kelly Gunnell, 2016; Yu Kyung Oh, 2015; Kate Baker, 2013; Elina Aletrari, 2013.

Postgraduate Taught (King's College London)

Co-taught level 7 *Methods for Environmental Research*; lectures computer labs; 2013/14, 2017/18 (five weeks, co-convenor).
Taught level 7 *Methods for Environmental Research*; lectures and computer labs; 2014/15, 2015/16, 2016/17 (eight weeks, convenor).
Tutor level 7 *MSc Dissertation Preparation Tutorials*; 2013/14 (five students), 2014/15 (five), 2015/16 (four), 2016/17 (four).
Supervisor level 7 *MSc Dissertation* 2014/15 (three students), 2015/16 (three), 2016/17 (four), 2017/18 (four).

Co-taught section of level 7 Simulation Methods module for CANES DTC (EPSRC) students; computer labs; 2014/15, 2015/16, 2016/17 (two weeks).

Designed and taught PhD-level *Social Simulation* for KISS-DTC (ESRC) students; seminars and computer labs; 2013/14 (three weeks, 8 students) 2014/15 (three), 2015/16 (three).

Designed and taught PhD-level *Landscape Simulation* for London NERC DTP students; computer lab (three hours, 40 students); 2014/15, 2015/16, 2016/2017, 2017/18, 2018/19, 2021/202, 2022/23, 2023/24

Department Seminar on *How to Write and Publish Papers*; 2016, 2017.

Postgraduate Taught (Michigan State University, USA)

Re-designed and taught 800-level class on Systems Modelling and Simulation for Fisheries & Wildlife students; lectures and computer labs; 2008/09 (16 weeks, 20 students).

Undergraduate (King's College London)

Co-designed and taught level 5 *Foundations of Spatial Data Science*; seminars and computer labs, 2020/21, 2021/22, 2022/23, 2023/24, 2024/25 (10 weeks, convenor).

Co-taught level 5 *Foundations of Spatial Data Science*; seminars and computer labs, 2025/26 (5 weeks, convenor).

Co-designed and co-taught level 5 *Fieldwork in Physical Geography*; 5-day fieldtrip to Tenerife plus pre- and post-trip lectures, computer lab work; 2023/24 (55 students), 2024/25 (58), 2025/26 (50).

Co-designed and co-taught level 5 *Fieldwork in Physical Geography*; 5-day fieldtrip to Cornwall plus pre- and post-trip lectures, computer lab work; 2022/23.

Co-taught level 5 *Biogeography and Ecology*; lectures, 2022/23 (seven weeks, convenor)

Co-taught level 5 *Principles of Spatial Data Science*; seminars and computer labs, 2020/21, 2021/22, 2022/23, 2023/24, 2024/25, 2025/26 (five weeks, convenor).

Co-taught level 6 *Applications of Spatial Data Science*; seminars and computer labs, 2020/21, 2021/22, 2022/23, 2023/24, 2024/25, 2025/26 (four weeks).

Co-designed and co-taught level 5 *Geocomputation*; seminars and computer labs, 2015/16 (seven weeks, convenor), 2016/17 (seven weeks, convenor), 2017/18 (five weeks, convenor), 2018/19 (10 weeks, convenor).

Co-designed and co-taught level 5 *Fieldwork in Physical Geography*; 9-day fieldtrip to Morocco plus pre- and post-trip lectures, computer and lab work; 2014/15 (38 students), 2015/16 (29), 2016/17 (25), 2017/18 (12), 2018/19 (25).

Designed and taught section of level 5 *Research Skills*; agent-based modelling and cellular automata computer labs 2015/16 (four weeks, 18 students), 2016/17 (five weeks, 20 students), 2017/18 (five weeks, 14 students), 2018/19 (five weeks, 12 students).

Co-taught level 4 *Geography Concepts, Skills and Methods*; lectures & computer labs; 2011/12, 2012/13, 2013/14 (five weeks).

Co-designed & co-taught level 4 *Principles of Geographical Inquiry*; lectures & computer labs; 2014/15 (ten weeks and convenor); 2015/16 (five weeks).

Co-designed and co-taught level 5 *Landscapes: Ecology, Biogeography and Management*; lectures & computer labs; 2014/15, 2015/16 (five weeks).

Tutor level 4 *Geography Tutorials: Critical thinking and techniques;* two groups of six students; 2011/12, 2012/13, 2018/19, 2020/21 (10 weeks).

Taught and led, level 4 one-day trip to Heartwood Forest, UK; 2013/14 (12 students), 2014/15 (4).

Taught and led, level 4 one-day trip to Heartwood Forest, UK; 2013/14 (co-leader, 140 students), 2014/15 (co-leader, 160), 2015/16 (leader, 150).

Co-taught level 5 *Principles of Geographical Inquiry II*; lectures & computer labs; 2013/14 (five weeks).

Co-designed level 5 *Spatial Analysis*, 2015/16.

Taught section of level 5 *Global Environmental Issues*; 2015/16, 2016/17, 2017/18 (one lecture, ~80 students).

Co-taught level 6 *Current Research in Geography*; seminars; 2013/14, 2014/15, 2015/16, 2016/17 (two weeks).

Supervisor level 6 *Independent Geographical Study*; dissertation; 2013/14 (1 student), 2014/15 (3), 2015/16 (3), 2016/17 (5), 2017/18 (5).

External Examiner

- University of Reading, UK, BSc Human and Physical Geography Programme, July 2024–July 2028.
- University of Edinburgh, UK, PhD Thesis, December 2024.
- University of Zimbabwe, Zimbabwe, MPhil Thesis, August 2020.
- Flinders University, Australia, PhD Thesis, August 2018.
- University of Cape Town, South Africa, MSc Thesis, April 2018.

External Engagement

- Pint of Science, *Revealing Human Impacts on Forests and Fires*; presentation and discussion; May 2024.
- Pint of Science, *Agency Models*, presentation and discussion; May 2018.
- Royal Geographical Society, *Field Mapping and Monitoring Party*; presentation and discussion; Mar. 2016.

- Royal Geographical Society, *Data Skills in Geography CPD for Teachers*, activity leader; June 2016.
- University of London Taster Days, Dept. of Geography, King's College London; activity leader; 2013–15.
- School Engagement, Emanuel School, Battersea, London; presentation and discussion; Mar. 2015.

Grants

King's College London, Faculty of Social Science and Public Policy, Faculty Education Fund
Co-Investigator, *Data repository and student 'careers officers' for careers enhancement*, Mar. 2019 – June 2020. Total funding £5,260.14 with PI Dr Naho Mirumachi, to develop a new system across Geography and King's Careers & Employability to embed careers engagement and employability throughout the curriculum for UG and PG teaching.

King's College London, Faculty of Social Science and Public Policy, Faculty Education Fund
Co-Investigator, *An interactive assessment timeline tool*, Jan. 2019 – July 2019. Total funding £6,334 with PI Dr Clare Herrick, to develop a dynamic and interactive online tool for enabling undergraduate and postgraduate students to visualise their module assessment deadlines on a timeline. Overseeing two postgraduate research assistants with Dr Clare Herrick.

King's College London, Faculty of Social Science and Public Policy, Faculty Education Fund
Co-Investigator, *King's Humanitarian Mappers*, Aug. 2016 – July 2017. Total funding £3,082 with PI Faith Taylor and Co-PI Michele Ferretti, to run bi-weekly and other mapathon events for staff and students and fund the development of training and dissemination. Overseeing one postgraduate research assistant with Faith Taylor.

King's College London, Faculty of Social Science and Public Policy, Faculty Education Fund
Co-Investigator, *GeoCUP: the Geocomputation USB-Platform for Flexible Learning and Teaching*, June 2015–June 2016. Total funding £3,866 with PI Jon Reades and Co-PI Naru Shiode to research, configure and develop a bootable USB flash drive to support innovative teaching of open-source programming tools and software. Overseeing one undergraduate research assistant with Dr Jon Reades.

The Professor Sir Richard Trainor PhD Scholarships
Co-Investigator, *Tracing provenance in the global food system*, May 2016–May 2019. Total funding £45,000 over three years to support a PhD student with Simon Miles (Informatics, King's).

Awards and Honours

King's Awards (Innovation and Impact)
Winner (with Faith Taylor and Michele Ferretti), King's College London 2015/16.

Teaching Excellence Awards
Nominated, King's College London, 2023/24.
Nominated, King's College London, 2017/18.
Nominated, King's College London, 2015/16.
Nominated, King's College London, 2013/14.

Other Qualifications

Vegetation Fire Operator (Lantra)
Forestry Commission, Sept. 2024

Certificate in Outdoor First Aid (SCQF Level 5)
iTC First, Sept. 2017, Oct 2023.

Certificate in Emergency First Aid at Work (SCQF Level 5)
iTC First, Sept. 2017.

Technical Skills and Expertise

Data Analysis and Statistics
Numerous frequentist and Bayesian methods for hypothesis testing, inference and forecasting. Including, regression (linear, GLM, trees, etc.), multi-model inference, time series analysis, cluster analysis, Monte-Carlo.

Coding Tools
Multiple languages for spatial and quantitative data analysis and development and use of scientific simulation. Expert in R. Proficient in Python. Basic use of C++, HTML, Java, JavaScript, SQL, WINBUGS, XML.

Modelling and GIS

Two decades of experience using multiple simulation approaches, including for spatially explicit investigation. Approaches include agent-based models (ABM), cellular automata & grid-based models, and systems modelling. Proficient using ESRI suite (incl. ArcGIS), QGIS, Trimble GPS, NetLogo, STELLA, Fragstats, Google Earth Engine. Basic use of ENVI, SAGA GIS, IDRISI, Google Maps API, Garmin GPS.

Other Software

Office Suite and cloud services for productivity, project management and production of publication-grade figures. Proficient using MS Word, Excel, PowerPoint, PowerBI, Access, Outlook, Visual Studio, EndNote, Inkscape, Google products. Linux and Windows operating systems.

Academic and Professional Associations

Royal Geographical Society

Fellow, 2007–Present.

International Association for Landscape Ecology

Member UK Chapter, 2006–Present.
Member US Chapter, 2007–2010.

The Higher Education Academy

Fellow, 2015–Present.

American Association of Geographers

Member, 2007–2011.

Conference Presentations

** indicates presentation made by co-author*

Oral

54. *Perkins, O. Haas, O., Kasoar, M., Kelley, D., Teixeira, J.C.M., Voulgarakis, A. and **Millington, J.D.A.**, *Adapting to fire in a warming climate: towards global assessment of prescribed grazing and prescribed fire* Presented at: EGU General Assembly, Vienna, Austria, April 2025, EGU25-18640.
53. Perkins, O., **Millington, J.D.A,** Smith, and Mistry, J., *Global mapping of human fire use and management from new databases and models* Presented at: RGS-IBG Annual International Conference 2024, London, UK, Aug 2024.
52. *Perkins, O., Kasoar, M., Voulgarakis, A., Tamsin Edwards, T. and **Millington, J.D.A.** *Half of global burned area is due to managed anthropogenic fire: findings from a coupled socio-ecological modelling approach* Presented at: EGU General Assembly, Vienna, Austria, April 2024, EGU24-5494.
51. *Kasoar, M., Smith, C., Perkins, O., **Millington, J.D.A.**, and Mistry, J. *Global seasonality of small-scale livelihood fire* Presented at: EGU General Assembly 2024, Vienna, Austria, April 2024, EGU24-18977.
50. *Perkins, O., Alexander, P., Arneth, A., Brown, C., **Millington, J.D.A.**, and Rounsevell, M. *Litigation challenging over-reliance on carbon dioxide removal requires quantitative feasibility assessment* Presented at: EGU General Assembly 2024, Vienna, Austria, April 2024, EGU24-5662.
49. *Majani, B., Malamud, B.D., and **Millington, J.D.A.** *Urban textures and flood hazard impacts from 2008 to 2018 in Nairobi, Kenya*, EGU General Assembly 2023, Vienna, Austria, April 2023, EGU23-17553.
48. *Perkins, O., **Millington, J.D.A.**, Matej, S. and Erb, K. *Modelling spatial and temporal patterns of fire due to human activity* Presented at: EGU General Assembly, Vienna, Austria, May 2022, EGU22-2462.
47. *Majani, B., Malamud, B.D. and **Millington, J.D.A.** *Use of blended evidence sources to build a history of flooding impact and an impact severity scale: A case study of Nairobi, Kenya* Presented at: EGU General Assembly, Vienna, Austria, May 2022, EGU22-12012.
46. **Millington, J.D.A.**, Perkins, O., Kasoar, M. and Voulgarakis, A. *Advancing representation of anthropogenic fire in dynamic global vegetation models* Presented at: EGU General Assembly, Online, April 2021, EGU21-9502.
45. *Mancini, M.C. and **Millington, J.D.A.** *Can private property increase land degradation in pastoralist systems? The tragedy of the commons in the North-Eastern Qinghai-Tibetan Plateau in China* Presented at: 10th IALE World Congress, Milan, Italy, July 2019.
44. **Millington, J.D.A.** *Modelling Telecoupled Systems* Global Land Programme 4th Open Science Meeting, Bern, Switzerland, April 2019.
43. *Müller, B. *et al.* incl. **Millington, J.D.A.** *Modelling food security: bridging the gap between the micro and the macro scale* Presented at: Global Land Programme 4th Open Science Meeting, Bern, Switzerland, April 2019.
42. *Malamud, B.D., Turbelin, A., **Millington, J.D.A.** and Taylor, F.E. *Two case studies of compiling urban multi-hazard assessments for Africa in a data-poor environment* Presented at: EGU General Assembly, Vienna, Austria, April 2019.

41. *Heasley, E.L., Clifford, N.J., **Millington, J.D.A.** and Chadwick, M.A. *Making use of broad-scale datasets in ecohydrology* Presented at: 12th International Symposium of Ecohydraulics, Tokyo, Japan, Aug. 2018.
40. *Taylor, F.E., Malamud, B.D. and **Millington, J.D.A.** *Networks and Narratives: Qualitative GIS for Understanding Urban Flood Resilience* Presented at: EGU General Assembly, Vienna, Austria, April 2018.
39. *Taylor, F.E., Malamud, B.D., **Millington, J.D.A.** *et al. Collaborative Methods for Disaggregating and Understanding Urban Risk in Africa* Presented at: EGU General Assembly, Vienna, Austria, April 2018.
38. *Taylor, F.E., Malamud, B.D. and **Millington, J.D.A.** *Understanding risk to the urban built environment in data-poor regions* Presented at: RGS-IBG Annual International Conference 2017, London, UK, Aug 2017.
37. **Millington, J.D.A.** and Seijo, F. *Managing Landscape Fire: traditional knowledge and changing regimes in Mediterranean Chestnut Forests* Presented at: ialeUK Annual Conference, Manchester, UK, June 2017.
36. *Taylor, F.E., Malamud, B.D., and **Millington, J.D.A.** *Identifying urban infrastructure multi-hazard risk in developing country contexts* Presented at: EGU General Assembly, Vienna, Austria, April 2017.
35. **Millington, J.D.A.**, Xiong, H., Xu, W., Peterson, S. and Woods, J. *How do we model telecoupling? Approaches to quantitative modelling of global food trade and local land use* Presented at: US-IALE Annual Meeting, Baltimore, USA, Apr. 2017.
34. **Millington, J.D.A.**, Batistella, M., Peterson, S., Yu, Q. and Liu, J. *Modelling feedbacks across scales and levels in telecoupled global food trade and local land use* Presented at: Global Land Programme 3rd Open Science Meeting, Beijing, China, Oct. 2016.
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32. **Millington, J.D.A.**, Reades, J. and Shiode, N. *The Future of Geocomputation: Training, Tools and an Agenda* Presented at: RGS-IBG Annual International Conference 2016, London, UK, Aug. 2016.
31. *Brooks, A.B. and **Millington, J.D.A.** *Mapping, Understanding and Capturing Value in Global Flows of Electronic Waste* Presented at: Association of American Geographers Annual Conference, Tampa, USA, April 2014.
30. **Millington, J.D.A.** *Understanding Dynamics: Narrative explanation in agent-based modelling* Presented at: Agent-based modelling workshop, Institute for Complex Systems Simulation, University of Southampton, UK, Dec. 2013.
29. **Millington, J.D.A.** *Representing cultural change in agent-based models of landscape scale socio-ecological systems* Presented at: IALE 2013 European Congress, Manchester, UK, Sept. 2013.
28. **Millington, J.D.A.** *Patterns of Aspiration: Spatial agent-based simulation of school choice policy* Presented at: International Geographical Union Conference 2013: Applied GIS & Spatial Modelling, Leeds, UK, June 2013.
27. **Millington, J.D.A.**, O'Sullivan, D., Perry, G.L.W. *Narrative explanation in agent-based modelling* Presented at: Association of American Geographers Annual Meeting, Los Angeles, California, April 2013.
26. **Millington, J.D.A.**, Walters, M.B., Matonis, M.S., Liu, J. *Trade-offs in long-term forest ecosystem management: Timber, birds and deer* Presented at: ialeUK Annual Conference, Edinburgh, UK, Sept. 2012.
25. **Millington, J.D.A.** *Using social psychology theory for modelling farmer decision-making* Presented at: 6th International Congress on Environmental Modelling and Software, Leipzig, Germany, July 2012.
24. **Millington, J.D.A.**, O'Sullivan, D., Perry, G.L.W. *Narrative explanation of agent decision-making* Presented at: 6th International Congress on Environmental Modelling and Software, Leipzig, Germany, July 2012.
23. **Millington, J.D.A.**, Walters, M.B., Matonis, M.S., Liu, J. *Investigating Combined Long-Term Effects of Variable Tree Regeneration and Timber Management on Forest Wildlife and Timber Production Using FVS* Presented at: Fourth Forest Vegetation Simulator (FVS) Conference, Fort Collins, Colorado, April 2012.
22. **Millington, J.D.A.** *Agricultural Landscape Change: Using social psychology theory in agent-based models of land-use change* Presented at: US-IALE Symposium, Newport, Rhode Island, April 2012.
21. **Millington, J.D.A.**, Walters, M.B., Matonis, M.S., Liu, J. *Regeneration for Sustainability: Coordinating Long-term Forest Ecosystem Management for Timber Production and Wildlife Habitat* Presented at: US-IALE Symposium, Newport, Rhode Island, April 2012.
20. **Millington, J.D.A.**, O'Sullivan, D., Perry, G.L.W. *Model Histories: The generative properties of agent-based modelling* Presented at: RGS-IBG Annual International Conference 2011, London, UK, Sept. 2011.
19. **Millington, J.D.A.**, Matonis, M.S., Walters, M.B., Hall, K.R., Laurent, E.J., Liu, J. *Trees, Birds and Timber: Coordinating* Long-term Forest Management Presented at: RGS-IBG Annual International Conference 2011, London, UK, Sept. 2011.
18. **Millington, J.D.A.**, Walters, M.B., Matonis, M.S., Liu, J. *Ecological-economic modeling for sustainable forest management* Presented at: US-IALE Symposium, Athens, Georgia, April 2010.
17. **Millington, J.D.A.**, Walters, M.B., Matonis, M.S., Liu, J. *Local winter white-tailed deer density: Effects of forest cover pattern, stand structure, and snow in a managed forest landscape* Presented at: Ecological Society of America, Albuquerque, New Mexico, Aug. 2009.

16. *Matonis, M.S., Walters, M.B., **Millington, J.D.A.**, and Liu, J. *Gap-, stand-, and landscape-scale factors affecting tree regeneration in harvest gaps* Presented at: Ecological Society of America, Albuquerque, New Mexico, Aug. 2009.
15. **Millington, J.D.A.**, Walters, M.B., Matonis, M.S., Lupi, F., Chen, S., Hall, K.R., Laurent, E.J. and Liu, J. *Modeling Interactions of Human and Natural Disturbances in a Managed Forest Landscape* Presented at: US-IALE Symposium, Snowbird, Utah, April 2009.
14. **Millington, J.D.A.**, Wainwright, J., Romero-Calcerrada, R., Perry, G.L.W. and Demeritt, D. *Investigating the Interaction of Land Use/Cover Change and Wildfire Using Agent-Based Modelling* Presented at: US-IALE Symposium, Snowbird, Utah, April 2009.
13. *Demeritt, D. and **Millington, J.D.A.** *Beyond Prediction: Participation, Learning and the Future of LUCC Modelling* Presented at: Helsinki University Environmental Research Centre Spring Seminar, Helsinki, Finland, April 2008.
12. *Wainwright, J. and **Millington, J.D.A.** *Modelling Human Impacts on Geomorphic Processes* Presented at: Annual Conference of the British Society for Geomorphology, Birmingham UK, July 2007.
11. **Millington, J.D.A.** *A Simulation Model of Vegetation Dynamics and Wildfire for a Mediterranean Landscape* Presented at: The Royal Geographical Society Annual Meeting, London UK, Sept. 2006.
10. **Millington, J.D.A.** *Modelling Land Use Decision-Making and Ecological Processes in a Mediterranean Landscape* Presented at: The Royal Geographical Society Annual Meeting, London UK, Sept. 2006
9. **Millington, J.D.A.**, Malamud, B.D. and Perry, G.L.W. *The use of power-law statistics to characterise and compare wildfire regimes* Presented at: British Geophysical Association Conference 'Scale-invariance and scale dependence in earth structure and dynamics' London, UK, March 2006.
8. **Millington, J.D.A.** *An inside job? 'Validation' of Integrated Landscape Simulation Models* Presented at: The Royal Geographical Society Annual Meeting, London UK, Sept. 2005.
7. O'Sullivan, D., Perry, G.L.W. and **Millington, J.D.A.** *Science Fictions: Narrative as tool for model-based research* Presented at: The Royal Geographical Society Annual Meeting, London UK, Sept. 2005.
6. **Millington, J.D.A.**, Perry, G.L.W. and Romero-Calcerrada, R. *Modelling Land Cover Change in a Mediterranean Landscape: Integrating Biophysical and Socio-Economic Data* Presented at: European IALE Congress, Faro, Portugal, April 2005.
5. *Romero-Calcerrada, R., Perry, G.L.W. and **Millington, J.D.A.** *The socio-economic trends as major driving force of Mediterranean landscape changes* Presented at: European IALE Congress, Faro, Portugal, April 2005.
4. *Perry, G.L.W., Romero-Calcerrada, R. and **Millington, J.D.A.** *Analysis and Implications of landscape change in the EU Special Protection Area (SPA) number 56, Encinares del río Alberche y Cofio, 1984-1999* Presented at: European IALE Congress, Faro, Portugal, April 2005.
3. *Malamud B.D., **Millington J.D.A.**, and Perry G.L.W. *Characterizing wildfire regimes in the USA* Presented at: American Geophysics Union Fall Meeting, San Francisco, California, Dec. 2004.
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Poster

20. Smith, C., Ainscough, J., Alare, R., Croker, A., De Freitas, K., **Millington, J.D.A.**, Mistry, J., Perkins, O., Schreckenberg, K., Seijo, F., Thompson, H., Valette, M. and Yadav, K. *Policy interventions influence burning to meet cultural and small-scale livelihood objectives and associated benefits for ecosystems* Presented at: International Congress for Conservation Biology, Brisbane, Australia, June 2025.
19. Perkins, O., Smith, C. and **Millington, J.D.A.** (2021) *Human-Fire Interactions: A Global Database* Presented at: American Association of Geographers Annual Meeting (AAG), Seattle, USA, April 2021. doi: 10.5281/zenodo.4661182
18. Dawson, T., Blake, L., Chan, K., Eisler, M., Escobar-Tello, M., Escobar-Tello, C., Leon, J., **Millington, J.D.A.**, Moran, D., Mulligan, M. and Rubiano, J. *Ecosystems in conflict – Environmental change impacts on the Colombian páramos* Presented at: Valuing Nature Annual Conference, London, UK, Oct. 2019.
17. Batistella, M., Silva, R., Martinelli, L., Moran, E. and **Millington, J.D.A.** *Governing telecoupled food systems to overcome common vulnerabilities* Presented at: Global Land Programme 4th Open Science Meeting, Bern, Switzerland, April 2019.
16. Heasley, E.L., Clifford, N.J., **Millington, J.D.A.** and Chadwick, M.A. *A typology of catchment-level effects on rivers to inform catchment management* Presented at: EGU General Assembly, Vienna, Austria, April 2019.
15. Zhong, C., Taylor, F.E., **Millington, J.D.A.** and Malamud, B.D. *Combining social media and remote sensing techniques for natural hazard impact assessments on urban infrastructure* Presented at: EGU General Assembly, Vienna, Austria, April 2019.

14. Lane. A., **Millington, J.D.A.**, Miles S. and Solich, P. *Modelling 10,000 years of human-environment interactions* Presented at: ialeUK Annual Conference, Manchester, UK, June 2017.
13. Jerabkova L., **Millington, J.D.A.** and Mulligan M. *How does woodland restoration affect future landscape ecosystem services?* Presented at: ialeUK Annual Conference, Manchester, UK, June 2017.
12. Taylor F.E., Malamud B.D. and **Millington, J.D.A.** *Sources of Free and Open Source Spatial Data for Natural Disasters and Principles for Use in Developing Country Contexts* Presented at: European Geosciences Union General Assembly 2016, Vienna, Austria, April 2016.
11. Taylor F.E., Malamud B.D. and **Millington, J.D.A.** *Quantifying Urban Texture in Nairobi, Kenya and its Implications for Understanding Natural Hazard Impact* Presented at: European Geosciences Union General Assembly 2016, Vienna, Austria, April 2016.
10. **Millington, J.D.A.**, O'Sullivan D., Perry G.L.W., and Demeritt, D. *Generative Simulation Modelling and Its Narrative Properties* Presented at: Epistemology of Modeling and Simulation National Conference, Pittsburgh, PA, USA, April 2011.
9. **Millington, J.D.A.**, Matonis M.S., Laurent E.J., Walters M.B., Lupi F., Hall K.R., and Liu J. *Anticipating Threats to Northern Hardwood Forest Biodiversity with an Ecological-Economic Model* Presented at: 9th National Conference on Science, Policy and the Environment, Washington D.C., USA, Dec. 2008.
8. **Millington, J.D.A.**, Wainwright J., Perry G.L.W., Romero-Calcerrada R. and Malamud B.D. *An Integrated Socio-Ecological Simulation Model of Succession-Disturbance Dynamics in a Mediterranean Landscape* Presented at: European Geophysics Union General Assembly 2008, Vienna, Austria, April 2008.
7. Romero-Calcerrada, R., Barrio-Parra F., **Millington, J.D.A.** and Novillo C.J. *Spatial modelling of the influence of human activity on wildfire ignition risk in a Mediterranean landscape* Presented at: European Geophysics Union General Assembly 2008, Vienna, Austria, April 2008.
6. **Millington, J.D.A.**, LeBouton J.P., Walters M.B., Hall K.R., Matonis M.S., Laurent E.J., Lupi F., Chen S. and Liu J. *An Ecological-Economic Model for Sustainable Forest Management: Modeling Deer Distributions from Local & Landscape Characteristics* Presented at: US-IALE Symposium, Madison, Wisconsin, April 2008.
5. Romero-Calcerrada, R. and **Millington, J.D.A.** *Spatial analysis of patterns and causes of fire ignition probabilities using Logistic Regression and Weights-of-Evidence based GIS modelling* Presented at: European Geophysics Union 4th General Assembly, Vienna, Austria, April 2007.
4. Malamud B.D., **Millington, J.D.A.** and Perry G.L.W. *Risk, ecosystems and robust power-law scaling of wildfires. Coupling in Earth Systems: Solids, Fluids, Life.* Presented at: 26th IUGG conference on Mathematical Geophysics, Sea of Galilee, Israel, June 2006.
3. Malamud B.D., **Millington, J.D.A.** and Perry G.L.W. *Risk, ecosystems and robust power-law scaling of wildfires* Presented at: European Geophysics Union 3rd General Assembly, Vienna, Austria, April 2006.
2. Malamud B.D., **Millington, J.D.A.** and Perry G.L.W. *Characterizing wildfire regimes in the USA* Presented at: European Geophysics Union 2nd General Assembly, Vienna, Austria, April 2005.
1. **Millington, J.D.A.**, Perry, G.L.W. and Romero-Calcerrada, R. *Implications of Landscape Change for Wildfire Incidence and Risk in the SPA 56 'Encinares del Río Alberche y Cofio', Central Spain* Presented at: European Geophysics Union 1st General Assembly, Nice, France, April 2004.