

Dr BILLY TUSKER HAWORTH

PhD, MAppSc, BSc

Curriculum vitae

March 2021

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Google Scholar [profile](#)

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I am a geographer and GIScientist. I primarily teach critical and applied geographic information systems (GIS), and disaster management. My research and expertise are uniquely positioned at the intersection of GIS and spatial information science, critical human geography, and international disaster studies. My current main research areas include critical and participatory GIS, disaster vulnerability, LGBTIQ+ marginality, and graffiti in conflict-affected spaces. Central to all my work is the desire to capture, expose and potentially empower marginalised voices.

EDUCATION:

2017: PhD, School of Geosciences, University of Sydney

2010: Master of Applied Science (Spatial Information Science), School of Geosciences, University of Sydney

2009: Bachelor of Science (Geography, Geology & Geophysics), Faculty of Science, University of Sydney

Additional training

2017 - 2019: Humanities New Academics Programme, Faculty of Humanities, University of Manchester (including meeting requirements for Higher Education Academy Fellowship)

2014: Vespucci Institute participation, "VGI and Citizen Science: engaging, creating and understanding". International summer training school, Vespucci Initiative, Fiesole, Italy

EMPLOYMENT:

2017 – Present: Humanitarian and Conflict Response Institute, University of Manchester
(probation passed May 2020)

Lecturer in International Disaster Management

- Equality, Diversity & Inclusion representative (January 2019 – Present)

- Director of Postgraduate Teaching (July 2019 – August 2020)

- Programme lead, MSc International Disaster Management (September 2017- July 2019)

2017 (January – August): School of Agriculture and Environment, University of Western Australia
Research Fellow and GIS Lecturer

2013 – 2016: School of Geosciences, University of Sydney
Casual Tutor/Demonstrator and Research Assistant

2012 – 2015: Private GIS Tutor

2013 – 2014: FRANS Inc.

Disability Support Worker

2011: Sensis Pty Ltd | Location Navigation

GIS Researcher

2011: School of Geosciences, University of Sydney

Research Assistant to A/Prof. Kurt Iveson

PUBLICATIONS

Total Google Scholar Citations: 851 (816 in past 5 years); *h-index*: 10; *i10-index* 10 (14 March 2021)

SciVal data (2010-2019): 52.6 citations per pub; 3.81 Field-weighted citation impact (3.8x more cited than world avg)

Edited Books

Haworth, B.T., O'Grady, N., Roborgh, S., Turner, M. & Taithe, B. (*in preparation for submission June 2021*).

Pandemic Politics: Interrogating the Social Life of COVID-19 and its Aftermaths. Manchester University Press.

Refereed Articles

- Duncan, J.M.A., Boruff, B., Biggs, E.M., **Haworth, B.T.**, Wales, N. & Bruce, E. (2021). Do integrated landscape approaches moderate climate impacts on livelihoods? A review of the evidence from agricultural landscapes. *Regional Environmental Change*, 21: 25.
- Huck, J.J., Perkins, C., **Haworth, B.T.**, Moro, E. & Nirmalan, M. (2021). Centaur VGI: hybrid human-machine mapping for humanitarian applications. *Annals of the American Association of Geographers*, 111(1): 231-251.
- Vogel, B., Arthur, C., Lepp, E., O'Driscoll, D. & **Haworth, B.T.** (2020). Reading social-political and spatial experiences through street art in conflict-affected societies. *Third World Quarterly*, 41(12): 2148-2168.
- Walkling, B. & **Haworth, B.T.** (2020). Flood Risk Perceptions and Coping Capacities among the Retired Population, with implications for risk communication: a study of residents in a north Wales coastal town, UK. *International Journal of Disaster Risk Reduction*, 51: 101793.
- Duncan, J.M.A., **Haworth, B.T.**, Boruff, B., Wales, N., Biggs, E. & Bruce, E. (2020). Managing multifunctional landscapes: local insights from a Pacific Island Country context. *Journal of Environmental Management*, 260: 109692.
- Haworth, B.T.**, Biggs, E., Duncan, J.M., Wales, N., Boruff, B. & Bruce, E. (2018). Geographic information and communication technologies for supporting smallholder agriculture. *Climate*, 6(4): 97.
- Haworth, B.T.**, Bruce, E., Whittaker, J. & Read, R. (2018). The good, the bad, and the uncertain: contributions of volunteered geographic information to community disaster resilience. *Frontiers in Earth Science*, 6: 183. *Special issue on "Citizen Science: Reducing Risk and Building Resilience to Natural Hazards" (invited)*.
- Haworth, B.T.** (2018). Implications of volunteered geographic information for disaster management and GIScience: A more complex world of volunteered geography. *Annals of the American Association of Geographers*, 108(1): 226-240.
- Haworth, B.T.**, Whittaker, J. & Bruce, E. (2016). Assessing the application and value of participatory mapping for community bushfire preparation. *Applied Geography*, 76: 115-127.
- Haworth, B.T.** (2016). Emergency management perspectives on volunteered geographic information: Opportunities, challenges and change. *Computers, Environment and Urban Systems*, 57: 189-198.
- Biggs, E.M., Bruce, E., Boruff, B., Duncan, J.M.A., Horsley, J., Pauli, N., McNeill, K., Neef, A., Van Ogtrop, F., Curnow, J., **Haworth, B.**, Duce, S. & Imanari, Y. (2015). Sustainable development and the water-energy-food nexus: a perspective on livelihoods. *Environmental Science & Policy*, 54: 389-397.
- Haworth, B.**, Bruce, E. & Middleton, P. (2015). Emerging technologies for risk reduction: assessing the potential use of social media and VGI for increasing community engagement in bushfire preparation. *Australian Journal of Emergency Management*, 30(3): 36-41.
- Haworth, B.** & Bruce, E. (2015). A review of volunteered geographic information for disaster management. *Geography Compass*, 9(5): 237-250.
- Haworth, B.**, Bruce, E., & Iveson, K. (2013). Spatio-temporal analysis of graffiti occurrence in an inner-city urban environment. *Applied Geography*, 38: 53-63.

Book Chapters (peer reviewed)

- Fast, V. & **Haworth, B.T.** (2020) Citizen Science. In Kobayashi, A. (ed.) *International Encyclopaedia of Human Geography*, 2e (invited). Elsevier. Pp. 209-214. <https://doi.org/10.1016/B978-0-08-102295-5.10601-8>

Reports and Policy documents

- Haworth, B.T.** (2021). Learning from LGBTIQ+ experiences of COVID-19 in the UK for future crises: Considerations for policymakers and practitioners. *The Manchester Briefing*, issue 31. <https://www.alliancembs.manchester.ac.uk/media/ambcs/content-assets/documents/news/the-manchester-briefing-on-covid-19-b31-wb-5th-march-2021.pdf>
- Haworth, B.T.** (2021). Learning from the UK's LGBTIQ+ experiences of COVID-19 for future crises. *HCRI Policy Brief Series*, 01/21. <https://www.hcri.manchester.ac.uk/research/publications/policy-brief-series/lgbtiq-covid-experiences/>
- Biggs, E.M., Boruff, B., Bruce, E., Duncan, J.M.A., **Haworth, B.**, Duce, S., Horsley, J., Curnow, J., Neef, A., McNeill, K., Pauli, N., Van Ogtrop, F. & Imanari, Y. (2014). Environmental Livelihood Security in South-East Asia and Oceania: a nexus-livelihoods approach for spatially assessing change. IWMI White Paper, *International Water Management Institute*, Colombo.
- Haworth, B.** (2014). *Volunteered Geographic Information, Community Engagement and Bushfire Preparation in Tasmania: Field study preliminary results*. Report compiled for the Tasmania Fire Service, June 2014.

Theses

- Haworth, B.T.** (2016). *Assessing the potential, application, and implications of volunteered geographic information in disaster risk reduction*. PhD thesis. School of Geosciences, Faculty of Science, University of Sydney.
 PhD Supervisor: A/Prof Eleanor Bruce (University of Sydney)
 Associate supervisors: Dr Joshua Whittaker (University of Wollongong), A/Prof Kurt Iveson (University of Sydney), Prof Matt Duckham (RMIT)
 Thesis available here: <https://billyhaworth.com/publications/>
- Haworth, B.** (2010). *Graffiti and urban space: A GIS approach*. Master of Applied Science (Spatial Information Science) thesis. School of Geosciences, Faculty of Science, University of Sydney.

Wider engagement pieces

- Haworth, B.T.** (2021, March). LGBTIQ+ experiences of COVID-19 in the UK and the need for more inclusive crisis policies. *Policy@Manchester*. <https://tinyurl.com/d3xut95c>
- Haworth, B.T., Arthur, C. & Lepp, E.** (2019, July). Graffiti in Cyprus paints a rich and complex picture of this divided society. *The Conversation*. <https://theconversation.com/graffiti-in-cyprus-paints-a-rich-and-complex-picture-of-this-divided-society-119437>
- Haworth, B.T., Eriksen, C. & McKinnon, S.** (2019, May). Online tools can help people in disasters, but do they represent anyone? *The Conversation*. <https://theconversation.com/online-tools-can-help-people-in-disasters-but-do-they-represent-everyone-116810>.

Blogs

Author of personal/geography blog, <http://billyhaworth.com/blog>, contributor to institutional (HCRI) blog, and past contributor to industry/research blog of the *Bushfire & Natural Hazards Cooperative Research Centre*, and urban culture blog, *Trending City*.

PRESENTATIONS AND CONFERENCE PAPERS

Invited Contributions

- Haworth, B.T.** (2021). Invited policy/industry presentation, 'Learning from LGBTIQ+ experiences of COVID-19 in the UK for future crises: Considerations for policymakers and practitioners'. *Voluntary and Community Sector Emergencies Partnership network meeting*, 15 April.
- Haworth, B.T.** (2021). Invited panellist for LGBT History Month 2021 public event "Reflecting on 'It's A Sin' and the AIDS crises: Looking forward to experiences of LGBTQ+ people during COVID-19", University of Manchester, February.
- Haworth, B.T. & de Paula Muniz, T.** (2020). LGBTIQ+ experiences of the COVID-19 pandemic: a comparative study of vulnerabilities and coping strategies in the UK and Brazil. *HCRI Covid-19 book event* (online), University of Manchester, September.
- Haworth, B.T.** (2019). Queer experiences of disasters, intersectionality and the spatial dimension: a working proposal. *ACCESS seminar series*, University of Wollongong, Wollongong, April.
- Haworth, B.T.** (2019). Invited contribution (funded) to pre-ISA workshop on Participatory Numbers, Everyday Peace Indicators project – Toronto, March.
- Haworth, B.** (2017). Invited panellist for session "The PhD Journey and Beyond" at Student Development Workshop for the Research Advisory Forum, Bushfire and Natural Hazards CRC. Perth, April.
- Haworth, B.** (2016). Assessing the potential, application, and implications of volunteered geographic information in disaster risk reduction. Seminar for SSSI event at the University of Western Australia, Perth, WA. June.
- Haworth, B.** (2015). Volunteered Geographic Information (VGI) for community engagement in bushfire preparedness. *BNHCRC Sustainable Volunteering annual workshop*, RMIT, Melbourne, November.
- Haworth, B.** (2015). Three minute thesis. *AFAC/BNHCRC annual conference*, 'New Directions in Emergency Management', Adelaide, September.
- Haworth, B.** (2015). "Flooding Facebook" and "Tweeting up a storm": a review of volunteered geographic information for disaster management. Seminar given at the Museum of Natural Sciences, Raleigh, NC. April.
- Haworth, B.** (2015). Three minute thesis. *BNHCRC Research Advisory Forum*, NSW Rural Fire Service headquarters, Sydney, April.
- Haworth, B.** (2014). Volunteered geographic information, community engagement and bushfire preparation in Tasmania. RMIT Non-traditional volunteering Annual Project Workshop, Melbourne, October.
- Duce, S., **Haworth, B.**, Duncan, J.M., Horsely, J. (2014). Environmental livelihood security in the Asia-Pacific region: A nexus approach. Presentation given at Worldwide Universities Network project workshop, Perth, June.
- Haworth, B.** (2014). Invited panellist for discussion session on 'Social Media Issues'. *Emergency Management and Public Affairs (EMPA) annual conference*, 'Collaboration in Communication', Canberra, June.

Presented Papers

- Arthur, C. & **Haworth, B.T.** (2019). Reading social realities through graffiti and street art in conflict-affected societies. *Advancing Peace Geographies* conference, Coventry, July.
- Haworth, B.**, Whittaker, J. & Bruce, E. (2016). Using participatory mapping to harness local knowledge and increase community connectedness in bushfire preparation. *AFAC/BNHCRC annual conference*, 'Mitigation, Response, Recovery: Getting the Balance Right,' Brisbane, August.
- Haworth, B.**, Whittaker, J. & Bruce, E. (2016). Volunteered geographic information (VGI) and disaster risk reduction: The application of participatory mapping in community bushfire preparation. *Geospatial information for monitoring socio-environmental risk, Institute of Australian Geographers Conference*, Adelaide, June.
- Bruce, E., Sheehan, S., **Haworth, B.** & Blewitt, M. (2015). Geographic citizen science in marine management: opportunities and research challenges for integrating Earth Observation data and in-situ volunteer observations. *Earth Observation Science 2.0 conference*, Frascati, Italy, October.
- Haworth, B.** (2015). Engaging Communities in Disaster Risk Reduction through Volunteered Geographic Information (VGI): a case study of bushfires (wildfires) in Tasmania, Australia. *American Association of Geographers annual meeting*, Chicago, IL. April.
- Haworth, B.** & Bruce, E. (2014). Volunteered Geographic Information, community engagement and bushfire preparation in Tasmania: a preliminary study. *Geographies of natural hazards and disasters in the Australia – Pacific region, Institute of Australian Geographers Conference*, Melbourne, July.
- Biggs, E., Boruff, B., Bruce, E., Duncan, J., Horsley, J., Duce, S., **Haworth, B.**, Pauli, N., Clifton, J., McNeill, K., Neef, A., Van Ogtrop, F., Murphy, R. & Tompkins, E. (2014). *Environmental livelihood security: sustainable livelihoods and the environment nexus. Sustainable Livelihoods and the Environment Nexus, Institute of Australian Geographers Conference*, Melbourne, July.
- Haworth, B.** (2014). Social media and information communication during natural disaster events. *GeoNext Location Matters Conference*, Sydney, February.
- Haworth, B.**, Bruce, E. & Iveson, K. (2011). Graffiti and urban space: a GIS approach. *Encountering spatial technologies: geographic information technologies for cultural research. Institute of Australian Geographers conference*, Wollongong, July.

Conference Posters

- Haworth, B.**, Biggs, E., Duncan, J., Wales, N., Boruff, B. & Bruce, E. (2019). Geographic information and communication technologies for supporting smallholder agriculture (conference poster). *GI Forum/AGIT 2019*, Salzburg, July. Available at <https://agitposters2019.blogspot.com/2019/06/19-geographic-information-and.html>
- Haworth, B.**, Biggs, E., Duncan, J., Wales, N., Boruff, B. & Bruce, E. (2018). Geographic information and communication technologies for supporting smallholder agriculture (conference poster). *AGILE 2018, 21st conference on geo-information science*, Lund, June.
- Haworth, B.**, Bruce, E. & Whittaker, J. (2018). Contributions of volunteered geographic information (VGI) to community disaster resilience: The good, the bad, and the uncertain (conference poster). *26th GIScience Research UK Conference*, Leicester, April.
- Haworth, B.**, Bruce, E. & Whittaker, J. (2017). Contributions of digital volunteering to community disaster resilience (conference poster). *BNHCRC Showcase 2017, 'Research driving change,' Adelaide. And AFAC/BNHCRC annual conference*, Sydney, September.
- Haworth, B.**, Whittaker, J. & Bruce, E. (2016). Using participatory mapping to increase community engagement in bushfire preparation. *AFAC/BNHCRC annual conference*, 'Mitigation, Response, Recovery: Getting the Balance Right,' Brisbane, August.
- Haworth, B.** (2015). Power to the people: The implications of volunteered geographic information for official emergency management (conference poster). *AFAC/BNHCRC annual conference*, 'New Directions in Emergency Management,' Adelaide, September.
- Haworth, B.** (2015). Spatio-temporal analysis of graffiti in an inner-city urban environment (Esri Young Scholar conference poster). *Esri User Conference*, San Diego, CA, July.
- Haworth, B.**, Bruce, E. & Whittaker, J. (2014). Non-traditional Volunteering: Volunteered Geographic Information (VGI) and bushfire preparation (conference poster), *AFAC/BNHCRC annual conference*, 'After Disaster Strikes: Learning from Adversity,' Wellington, September.

Departmental Presentations

- Haworth, B.T.** (2020). Invited chair and speaker for HCRI/University event marking Pride month and the need for LGBTIQ+ inclusion.

- Haworth, B.T.** (2019). Pecha Kucha presentation on my research. *HCRI*, University of Manchester, UK, February.
- Haworth, B.T.** (2018). Volunteered geographic information (VGI) and community disaster resilience: The good, the bad, and the uncertain. *HCRI Research Seminar Series*, University of Manchester, UK. April.
- Haworth, B.** (2016). Assessing the potential, application, and implications of volunteered geographic information in disaster risk reduction. *'Thinking Space' seminar series*, School of Geosciences, University of Sydney, June.
- Haworth, B.** (2014). Crowdsourcing geographic information: VGI, citizen science, and community engagement in bushfire preparation. *'Thinking Space' seminar series*, School of Geosciences, University of Sydney, October.
- Haworth, B.** (2013). Three minute thesis. *'Thinking Space' seminar series*, School of Geosciences, University of Sydney, November.

ORGANISED OR CHAIRED SEMINARS / CONFERENCE PANELS / WORKSHOPS

- Haworth, B.T.** (chair; co-organiser with Vogel, B.). Public event: Bombing Walls: Perspectives on the functions of graffiti and street art in conflict-affected spaces. *HCRI Seminar Series*, 4 March 2021. Speakers: Dr Eric Lepp (Waterloo), Dr Lydia Cole (Durham), Dina Yunis (King's College London).
- Haworth, B.T.**, Vogel, B. & Lepp, E. (*session conveners*). Reading spaces of peace and conflict through public visual arts. *Royal Geographic Society (with IBG) Annual International Conference*, London, 1-4 September 2020 (cancelled/postponed to 2021 due to COVID-19).
- Pauli, N., Biggs, E., Föllmer, J. & **Haworth, B.T.** (*session conveners*). Participatory mapping for biodiverse, culturally inclusive and sustainable landscapes. *EGU General Assembly*, Vienna, 3-8 May 2020.
- Haworth, B.T.**, Arthur, E., Lepp, E. & Vogel, B. (*workshop conveners*). Graffiti workshop: space, peace & conflict, and interdisciplinary approaches (*workshop with internal and national and international external participants*), HCRI, University of Manchester, 28 May 2019.

COMPETITIVE RESEARCH GRANTS

Successful

- 2020: Economic and Social Research Council (ESRC) Impact Acceleration fund (**£9,990.91**) for project titled 'LGBTIQ+ experiences of COVID-19 (UK and Brazil)'. Role - **Chief-investigator**.
- 2019: HCRI Research support fund (competitive) (**£1,700**) for project titled 'A spatial and thematic analysis of graffiti in divided Nicosia, Cyprus'. Role – **Chief-investigator**. (Associated work cancelled/postponed due to COVID-19).
- 2019: Royal Geographic Society Innovative Geography Teaching Grant (**£1,000**) for project developing disaster simulation toolkit for schools. Role – **Co Chief-investigator** (with Ficklin) (Associated work postponed due to COVID-19).
- 2019: HCRI Research support fund (competitive) (**£3,230**) for project titled 'The writing on the wall: reading social realities through graffiti and street art in conflict-affected societies'. Role – **Chief-investigator** (with Lepp, Arthur, Vogel and O'Driscoll).
- 2018: Social Responsibility and Cultural Engagement Fund, School of Arts, Languages and Cultures (**£1,655**), University of Manchester, for project supporting humanitarian mapathons with university students, local community charities, and primary schools. Role – **Chief-investigator** (with Huck)
- 2018: Early Career Visiting Fellowship, Australian Centre for Culture, Environment, Society and Space (ACCESS), (**AU\$4,000**), University of Wollongong (visit April - May 2019).
- 2016: Postgraduate Research Support Scheme (**AU\$1,030**), University of Sydney.
- 2016: Institute of Australian Geographers Travel Grant for presentation at IAG conference, Adelaide (**AU\$350**), IAG.
- 2015: International Association of Wildland Fire (IAWF) PhD Student Scholarship (**US\$3,000**), IAWF
- 2015: Postgraduate Research Support Scheme (**AU\$1,067**), University of Sydney
- 2014: Vespucci Summer Institute, "VGI and Citizen Science: engaging, creating and understanding," Fiesole (Firenze), Italy 7-12 July 2014, tuition and travel grant (**€800**), ESRI.
- 2014: Postgraduate Research Support Scheme (**AU\$900**), University of Sydney
- 2014: PhD scholarship commencing January 2014 for research titled 'Volunteered Geographic Information, Community Engagement and Bushfire Preparation in Tasmania' (**AU\$98,000**), Bushfire & Natural Hazards Cooperative Research Centre.
- 2013: Field research support funding to undertake study on the role of VGI in bushfire preparation (**AU\$5,000**), Tasmania Fire Service.
- 2013: Postgraduate Research Support Scheme award (**AU\$945**), University of Sydney.

Unsuccessful/pending

- 2020 (*unsuccessful*): Australia Research Council (ARC) Discovery Early Career Researcher Award (DECRA) (**AU\$406,162**) for project titled 'Exposing Australia's disaster vulnerabilities through participatory mapping', University of Wollongong. Role – **Chief-investigator**.
- 2019 (*unsuccessful*): Royal Geographic Society Small Research Grant (**£3,000**) for project titled 'Lessons from the graveyard: investigating the motivations, challenges, and failures of past digital humanitarian efforts'. Role – **Chief-investigator**.
- 2018 (*unsuccessful*): European Commission H2020 – SU-DRS02-2018: Technologies for First Responders (**€7m**) for collaborative project (16 partner organisations across Europe) titled 'ALFRED: Artificial Intelligence for First Responders in Disaster Scenarios'. University of Manchester lead: Prof. Duncan Shaw. Role – **investigator**.
- 2018 (*nominated*): Samuel H. Prince Award (Social sciences dissertation prize).
- 2015 (*unsuccessful*): Global Resilience Partnership Research Grant. Project concerning environmental livelihood security and climate resilience. Role – **investigator** (with Bruce, Biggs, Boruff, Neef, Duncan *et al.*).

AWARDS

- 2020: Nominated for [Positive Role Model \(LGBT\)](#) award at 2020 National Diversity Awards.
- 2019: Students' Outstanding Teaching Award (nominated), Faculty of Humanities, University of Manchester.
- 2016: Special Recognition Award, Bushfire & Natural Hazards Cooperative Research Centre
- 2015: Special Recognition Award for contributions to the School of Geosciences, University of Sydney.
- 2015: Esri Young Scholars Award, ESRI Australia.
- 2015: Faculty of Science Postgraduate Research Prize for Outstanding Academic Achievement (**AU\$500**), University of Sydney

TEACHING EXPERIENCE

Humanitarian and Conflict Response Institute, University of Manchester

2017 – present: Lecturer and course coordinator:

Postgraduate level - *Disaster Management : Theory and Application* (2017, 2018, 2019); *A Critical Introduction to GIS and Disasters* (designed module) (2018, 2019, 2020, 2021); *Research and Evaluation Methods* (lecturer only) (2017); *Disaster Preparedness* (online – designed module) (2019, 2020, 2021)

Undergraduate level – *GIS and Disasters* (designed module) (2018, 2020, 2021); *Introduction to Disaster Management* (lecturer only) (2017, 2019); *Disasters and Development* (lecturer only) (2017), *Scholarship & Debates in HCRI* (lecturer only) (2020, 2021)

Supervision: 2 PhD candidates (expected completions in March 2021 and 2024); 2 BSc Dissertations (completed 2020; 1 expected completion 2021); 22 MSc Dissertations (7 completed in 2018; 7 completed in 2019; 2 completed 2020; 6 expected completions 2021).

School of Agriculture and Environment, University of Western Australia

2017: Lecturer and unit coordinator:

Postgraduate level - *Geographic Information Systems Applications; Intermediate GIS*.

The Bartlett Development Planning Unit, University College London

2016: Delivered guest lecture and practical class with Patrick Rickles on introductory GIS for *Urban Environmental Planning and Management in Development*.

School of Geosciences, University of Sydney

2016: Guest lecturer on postgraduate unit *GIS in Coastal Management*.

2013-2016: Practical/lab demonstrating and tutoring for the following undergraduate units of study:

Junior - Introduction to Geography (2013)

Intermediate - Natural Hazards: A GIS Approach (2014, 2015); *The Geography of Cities and Regions* (2014, 2016)

Senior - GIS in Coastal Management (2013, 2014, 2015, 2016); *Coastal Environments and Processes* (2014, 2015)

SERVICE TO PROFESSION

2019: Co-founded [International Consortium for Conflict Graffiti](#) (ICCG) (with Vogel, Lepp, Arthur and O'Driscoll).

Consultant to *Gapminder Foundation* - assisting to fact check and nuance web content on disasters

Manuscript reviewer:

Peer reviewing for journals: *Annals of the American Association of Geographers*; *Applied Geography*; *Computers, Environment and Urban Systems*; *Disasters*; *Geoforum*; *GeoJournal*; *International Journal of Disaster Risk Science*; *International Journal of GIS*; *Journal of Spatial Science*; *The Geographical Journal*

Peer reviewing for publishers/other: *Routledge handbooks*; *UNDRR Global Assessment Report*

SERVICE TO SCHOOL AND UNIVERSITY

- 2018 – present: HCRI Equality and Diversity representative (for the School of Arts, Languages and Cultures)
- 2019 – 2020: HCRI Director of Postgraduate Teaching, and lead admin on departmental work allocations
- 2019: Hosted Humanitarian Mapathon – 40 volunteers from HCRI and across the University of Manchester mapped ~20,000 features (huts, roads etc) in poorly-mapped regions of Uganda to improve healthcare delivery
- 2017 – 2019: HCRI Programme Lead, MSc International Disaster Management (recruitment and admissions work, pastoral care, administration)
- 2017 - 2019: Various HCRI, University of Manchester, outreach activities including Open Days and Insight Day workshops; Mentor for three talented but disadvantaged high school students in the Manchester Access Programme
- 2015 - 2016: Listed as University of Sydney expert for media commentary on bushfire disasters, community engagement, and geographic information and communication technologies.
- 2016: Delivered GIScience workshops for the Wingara Mura – Bunga Barrabugu Summer Camp (a University of Sydney program for Aboriginal and Torres Strait Islander high school students).
- 2015 - 2016: Co-established and coordinated weekly school morning tea “GeoBites”.
- 2015: Representative for School of Geosciences at University of Sydney Open Day.
- 2015: Delivered workshop on GIScience, VGI and disaster management at the “Meet & Greet a BIG Geek” International Science School (ISS) event, University of Sydney.
- 2015: Coordinator and session chair for University of Sydney Geography seminar series, “Thinking Space: Geographers and the Environment” (13 seminars).
- 2014: Assisted supervise and facilitate study programs for visiting students from European schools and universities.

PROFESSIONAL MEMBERSHIPS/AFFILIATIONS

- 2020 – Present: Fellow of the Higher Education Academy, UK
- 2017 - Present: Fellow of the Royal Geographic Society (RGS with IBG), UK
- 2016 - Present: Institute of Australian Geographers (IAG), Australia
- 2015 - 2017: Public Laboratory for Open Technology and Science (Public Lab), USA
- 2014 - 2017: Bushfire & Natural Hazards Cooperative Research Centre, Australia
- 2015 - 2016: International Association of Wildland Fire (IAWF), USA
- 2014 - 2016: Association of American Geographers (AAG), USA
- 2012 - 2014: Royal Geographical Society (RGS with IBG), UK

CITIZEN SCIENCE PARTICIPATION

Current projects: *World Community Grid*

Past participation: *iNaturalist*; *iCoast*; *eBird*; *Snapshot Serengeti (Zooniverse)*

ADDITIONAL INFORMATION AND ACHIEVEMENTS

- 2019: Early Career Visiting Research Fellow (competitive), Australian Centre for Culture, Environment, Society and Space (ACCESS), hosted by Dr Christine Eriksen and Dr Scott McKinnon. Wollongong, 2 April to 30 April.
- 2016: Guest weekly host of Twitter account for citizen science discussions, *@IAmCitSci*, November 2016.
- 2015: Visiting academic to the North Carolina Museum of Natural Sciences, hosted by Dr Caren Cooper, Assistant Director of the Biodiversity Research Lab, to discuss and present my work, network, and learn in the field of citizen science. Raleigh, NC, 26 April to 3 May.
- 2014: Invited to participate as *Early Career Researcher* in World Universities Network (WUN) funded project with researchers from University of Sydney, University of Western Australia, University of Southampton, and University of Auckland to assist in preparing a white paper on the theme ‘A Spatial Framework for Assessing Environmental Livelihood Security’.
- 2011: Contributed map to submission for inquiry into the regulation of billboard and outdoor advertising to the Australian Parliament, House of Representatives.

2009: Participated in research trip to SE Asia investigating rural development and economic geographies along the Mekong River, working with local university students, NGOs, and village communities in China, Laos, Thailand, Cambodia, and Vietnam. The final dissertation addressed impacts of infrastructure development on rural communities and livelihoods

MEDIA COVERAGE

Television

1 January 2020

BBC Breakfast - live interview during the South Coast NSW bushfire crisis in Australia

BBC News at 9 - live interview during the South Coast NSW bushfire crisis in Australia

Articles

5 October 2020, "Can Graffiti in Conflict Zones Tell Us More than What Meets the Eye?" *University of Waterloo news*.

Available at <https://uwaterloo.ca/peace-conflict-studies/news/can-graffiti-conflict-zones-tell-us-more-what-meets-eye>

5 May 2020, "HCRI academic nominated for National Diversity Award". *University of Manchester news*. Available at

<https://www.manchester.ac.uk/discover/news/hcri-academic-nominated-for-national-diversity-award/>

1 January 2020, Mail Online bushfire coverage, "Dr Billy Tusker Haworth discusses horrific bushfires in Australia".

Daily Mail. Available at <https://www.dailymail.co.uk/news/article-7843735/Evacuation-zone-set-ahead-46C-Saturday-Australian-towns-brink-humanitarian-crisis.html>

3 October 2019, "Academic Spotlight: Dr Billy Haworth". HCRI website. Available at

<http://www.blog.hcri.ac.uk/academic-spotlight-dr-billy-tusker-haworth/>

13 July 2019, Haworth, B.T., Arthur, C. & Lepp, E. (2019). Cyprus' graffiti paints a rich and complex picture of a

society divided. *The Independent*. Available at <https://www.independent.co.uk/arts-entertainment/graffiti-art-cyprus-politics-society-a9002851.html>

16 August 2018, "An interview with Billy Tusker Haworth", LGBT-STEM (<https://lgbtstem.wordpress.com>)

6 March 2017, "The Young Scholars university initiative solidifying geospatial science as a smart career choice", by Ben Doyle, ESRI Australia.

7 November 2016, "5 experts reveal their top tips for summer", The University of Sydney News

15 August 2016, "Focus on Research. Enriching Learning Experiences", International Association of Wildland Fire E-News

9 August 2016, "Enriching learning experiences", Fire Australia magazine, Winter 2016 edition (posted online at bnhrcr.com.au), Available at <https://www.bnhrcr.com.au/news/2016/enriching-learning-experiences>

July 2016, "Billy Haworth at the IAG Conference", School of Geosciences News and Events, University of Sydney

July 2015 - "New data raises questions around anti-graffiti methods", GIS in Action – Enabling Government, ESRI Australia.

13 July 2015 - "Recently two PhD researchers from the University of Tasmania and the University of Sydney were recognised for their innovative work with the TFS Bushfire Ready Neighbourhoods program", by Peter Middleton, News, Bushfire Ready Neighbourhoods.

24 June 2015 - "Student recognised with international scholarship", by Nathan Maddock, News from the CRC, Bushfire & Natural Hazards Cooperative Research Centre.

23 June 2015 - "Maps to challenge Sydney's graffiti problem", by Anthony Wallace, Spatial Source. Available at <https://www.spatialsource.com.au/latest-news/maps-to-challenge-sydneys-graffiti-problem>

18 June 2015 - "New research to help scrub out graffiti", School of Geosciences News and Events, University of Sydney.

17 June 2015 - "New research to help scrub out graffiti", by Danielle Mulligan, News, ESRI Australia.

Radio

January 2016

SBS Radio – discussing the role of volunteered geographic information (VGI) in bushfire preparation

November 2015

2SM (Sydney) – invited to comment on South Australia bushfires, community preparedness and social media use for disaster communication

June 2015 - invited to discuss GIS and graffiti management research and Esri Young Scholar award:

ABC 666 (Canberra), Breakfast with Philip Clark

Resume –Billy Haworth

Radio 2HC (Coffs Harbour), Afternoons with Mike Welsh

Radio 6PR (Perth), Mornings with Gary Adshead

December 2014 – invited to discuss social media use during Sydney siege hostage crisis:

891 ABC (Adelaide), Breakfast

February 2014 – invited to discuss PhD research into VGI and bushfire preparation in Tasmania:

936 ABC, Breakfast (Hobart)

ABC Northern Tasmania, Breakfast with Belinda King

Star FM 93.7 (St Helens)

Edge Radio 99.3 (Hobart), The Brink with Ben Waterworth