

Dale Dominey-Howes BSc (Hons) PhD FGS FRGS

CAREER SUMMARY & HIGHLIGHTS

RESEARCH

PhD in Geography (natural hazards & disasters) with international research profile & major publication record

Significant track record at winning research income (to date c. AUSS\$13.85 million)

Work profiled in *Nature* in 2009 and 2016

Appointed by the United Nations to lead the UNESCO Samoa International Post-Tsunami Survey Team, Samoa (October 2009)

Vice Chancellor's 2019 Award for Outstanding Contribution to Disability Inclusion

Winner – 2014 & 2016 Resilient Australia State *and* Federal government prizes

Winner – 2018 International Best Publication Award – awarded by the Philippines National Academy of Science

Best of British Finalist (Award in category of Multidisciplinary Work) for most Outstanding Young British Scientist 1999

Hazard, risk & disaster advisor to Australian & USA State & Federal Governments (2005 – present)

Successful supervision of 15 PhD, 1 MPhil, 1 MSc & 8 Honours candidates & current load of 2 PhD, 1 MPhil & 2 Honours candidates

20 years' research / consultancy experience in hazard, risk and vulnerability analysis

Appointed Member of Editorial Board – *Nature Scientific Reports* (2013 – present)

Strong interdisciplinary research scientist

TEACHING

University Outstanding Teachers Award 2005 – Macquarie University

Excellence in Education Award 2005 - Macquarie University

Successful Teaching and Learning Development Grants

Successful major undergraduate Bachelors' course development (in Natural Hazards & Disasters)

20 years lecturing experience (undergraduate / postgraduate and specialised industry training)

SERVICE & OUTREACH

Chairman of United Nations Post-Disaster Policy and Protocol Working Group (2010 – present)

Expert Witness – Australian Prime Minister's Tsunami Disaster Working Group (2005)

Regularly invited research grant and journal reviewer

17 years' senior management experience (research centre development and national / international projects management / Deputy Head of Department, Director of Centre, Associate Dean)

Strong track record in the public understanding of science and environmental and natural hazards with increasing print, radio and television production

Vice Chairman of the International Geographic Union, Commission on Hazard and Risk (2008 – 2012)

PRESENT WORK DETAILS

The School of Geosciences, The University of Sydney, Sydney, NSW 2006, Australia.

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www: http://sydney.edu.au/science/geosciences/people/st_dominey.shtml
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LinkedIn profile: <https://www.linkedin.com/in/dale-dominey-howes-a6710a29/?originalSubdomain=au>

EDUCATION

PhD in Geography – *The Geomorphology and Sedimentology of Five Tsunamis in the Aegean Sea Region*, Greece (1993 – 1996), Coventry University, United Kingdom (in collaboration with the National Observatory, Athens, Greece) (European Commission Funded Scholarship)

BSc (Hons) in Geography (1989 - 1992), University of North London, United Kingdom

Certificate II in Public Safety (State Emergency Service Operations and Rescue) (2006), New South Wales State Emergency Services/State Government

Certificate in French (2011), University of Sydney, Australia

Languages: English (mother tongue - fluent); French (basic - read, write & speak); Greek (basic - read, write & speak)

EMPLOYMENT HISTORY (reverse order)

Professor of Hazard and Disaster Risk Sciences - The School of Geosciences, The University of Sydney, Sydney, NSW 2006. January 2018 – present.

Honorary Professor - The Marie Bashir Institute for Infectious Disease and Biosecurity, Sydney Medical School, The University of Sydney, Sydney, NSW 2006. November 2015 – present.

Associate Dean, Scholarships and Talented Students – Faculty of Science, The University of Sydney, Sydney, NSW, 2006. July 2013 – December 2016.

Associate Professor - The School of Geosciences, The University of Sydney, Sydney, NSW 2006. July 2013 – December 2017.

Associate Professor - School of Biological, Earth and Environmental Sciences (BEES), UNSW, Sydney, NSW 2052. January 2009 – June 2013.

Volunteer member of the New South Wales State Emergency Services - City of Ryde Unit, State Emergency Services. January 2006 – August 2009.

Senior Lecturer in Geography - School of Biological, Earth and Environmental Sciences, (BEES), UNSW, Sydney, NSW 2052. July 2007 – December 2008.

Deputy Head (elected position) of Department of Physical Geography - Macquarie University, North Ryde, Sydney, NSW. June 2005 – June 2007.

Senior Lecturer in Natural Hazards and Risk Management - Macquarie University, North Ryde, Sydney, NSW. January 2003 – June 2007.

Director of the BSc and Senior Lecturer in Environmental Hazards and Disaster Management -
School of Earth Sciences and Geography, Kingston University, London, United Kingdom. February 2001 –
December 2002.

Projects Manager and Lecturer / Senior Lecturer in Disaster Studies - Coventry Centre for Disaster
Management, Coventry University, Coventry, United Kingdom. April 1997 – January 2001.

Volunteer Lecturer in Disaster Studies - Coventry Centre for Disaster Management, Coventry University,
Coventry, United Kingdom. September 1996 - March 1997.

Part-time Lecturer in Physical Geography - Coventry University, Coventry University, Coventry, United
Kingdom. March 1993 - February 1997.

Additional Supporting Material

INTERESTS & EXPERTISE

Who am I and what do I do?

- I'm a global leader in *natural hazards* and *disaster risk reduction*
- My work spans the interface between the human and earth environments/sciences - exploring the characteristics of natural hazards (distributions, frequencies & magnitudes) and their impacts on people, communities and human systems
- My socially oriented work examines human hazard knowledge and perception, action and inaction
- The goals of my work are to:
 - ✓ develop appropriate disaster risk reduction strategies; enhance community resilience; and reduce losses from natural disasters.

Research Interests & Expertise

My interests are:

- **Natural hazards** (tsunami, storm surges, tropical cyclones, volcanic eruptions, earthquakes & climate change)
- **Risk assessment, disaster & risk management** (hazard, risk and vulnerability analysis, (re-) insurance, coastal and urban policy, emergency management planning and principles, risk communication, risk perception)
- **Marine and coastal geology / coastal processes** (coastal evolution and change, contemporary shoreline processes, sea level change, Quaternary environments / palaeoenvironmental reconstruction)
- **One Health** (interactions between natural environmental, human and socio-economic and animal systems)
- **Climate change, adaptation and policy** (with specific focus on the Pacific Islands and in tourism)

My expertise and research techniques include:

- Hazard, risk, vulnerability and resilience assessment
- Social dimensions of risk and vulnerability (including questionnaire surveys, focus groups, perception studies); complex coupled human-environment systems
- Policy sciences & governance
- Epidemics, pandemics & One Health, and
- Sedimentology, stratigraphy and micropalaeontology (foraminifera)

PROFESSIONAL ASSOCIATIONS

I am a: **Fellow** of the Geological Society **FGS** (1999 - present)
Fellow of the Royal Geographical Society **FRGS** (2000 - present)

STRUCTURE OF THIS *CURRICULUM VITAE*

The structure of my *curriculum vitae* matches the standard work themes of an academic. These are:

- ✓ Research, Teaching and Service, Administration, Management & Outreach

Parts One, Two and Three of the *curriculum vitae* describe my achievements in relation to each of these themes.

PART ONE - RESEARCH

PUBLICATIONS

Submitted & in review

Calgaro, E., Craig, L., Craig, N., **Dominey-Howes, D.**, & Allen, J. Silent no more: identifying and breaking through the barriers that d/Deaf people face in responding to hazards and disasters. Submitted to *International Journal of Disaster Risk Reduction*.

Dominey-Howes, D. & Labbate, M. Chapter 2 – One Health and Global Health for Infection Prevention and Control. In: Shaban, R., Mitchell, B., Russo, P. & Macbeth, D. (Eds). *Healthcare-associated infections in Australia: Principles and Practice of Infection Prevention and Control*. Elsevier.

Haynes, V., **Dominey-Howes, D.** & Calgaro, E. The future of our suburbs: analyses of the complex interconnected factors that shape the vulnerability of planned estates to heatwaves in Western Sydney, Australia. Submitted to *Geographical Research*.

He, L., **Dominey-Howes, D.**, Aitchison, J. & Lau, A. Government policies and household-level recovery after the 2010-2011 Canterbury earthquakes, New Zealand. Submitted to *International Journal of Disaster Risk Reduction*.

He, L., **Dominey-Howes, D.**, Aitchison, J. & Lau, A. Towards a new theoretical framework to underpin disaster recovery. Submitted to *Progress in Human Geography*.

Macbeth, D. & **Dominey-Howes, D.** Chapter 7 – Risk assessment and management in Infection Prevention and Control. In: Shaban, R., Mitchell, B., Russo, P. & Macbeth, D. (Eds). *Healthcare-associated infections in Australia: Principles and Practice of Infection Prevention and Control*. Elsevier.

Tran, A., **Dominey-Howes, D.** & Webster, J. Modelling tsunami risk and buffering effects of the Great Barrier Reef, Australia. Submitted to *Natural Hazards*.

REFEREED INTERNATIONAL JOURNAL PUBLICATIONS

2019

Norris, J., Zhuo, A., Labbate, M., **Dominey-Howes, D.**, Gilbert, G., Degeling, C., Rowbotham, S., Govendir, M., & Ward, M. (2019). Factors influencing the behaviour and perceptions of Australian veterinarians towards antimicrobial resistance. *PLOS One*: <https://doi.org/10.1371/journal.pone.0223534>

2018

Beydoun, G., Dascalu, S., **Dominey-Howes, D.** & Sheehan, A. (2018). Disaster Management and Information Systems: insights to emerging challenges. *Information Systems Frontiers*: <https://doi.org/10.1007/s10796-018-9871-6>

Delos Reyes, P., Bornas, A., **Dominey-Howes, D.**, Pidlaon, A., Magill, C. & Solidum, R. (2018). A synthesis and review of Quaternary eruptions from Taal Volcano, Southern Luzon, Philippines. *Earth Science Reviews*, 177, 565-588.

Dominey-Howes, D. (2018). Natural hazards and disasters in The Anthropocene: some critical reflections for the future. *Geoscience Letters*, 5 (7): <https://doi.org/10.1186/s40562-018-0107-x>

Dominey-Howes, D., Gorman-Murray, A. & McKinnon, S. (2018). On the disaster experiences of sexual and gender (LGBTI) minorities: insights to support inclusive disaster risk reduction policy and practice. *Australian Journal of Emergency Management*, Monograph #3, 59-67.

Gorman-Murray, A., McKinnon, S., **Dominey-Howes, D.**, Nash, C. & Bolton, B. (2018). Listening and Learning: giving voice to Trans experiences in disasters. *Gender, Place and Culture*, 25 (2), 166-187.

Parkinson, D., Duncan, A., Archer, F., **Dominey-Howes, D.**, Gorman-Murray, A. & McKinnon, S. (2018). Introducing new national Gender and Emergency Management (GEM) Guidelines to support more inclusive disaster risk reduction work. *Australian Journal of Emergency Management*, Monograph #3, 27-29.

Zhuo, A., Labbate, M., Norris, J., Gilbert, G., Ward, M., Bajorek, B., Degeling, C., Rowbotham, S., Dawson, A., Nguyen, K-A., Hill-Cawthorne, G., Sorrell, T., Govendir, M., Kesson, A., Iredell, J. & **Dominey-Howes, D.** (2018). What are the opportunities and challenges to improving antibiotic prescribing practices through a One Health approach: results of a comparative survey of doctors, dentists, and veterinarians in Australia. *British Medical Journal Open*, 8, e020439

2017

Gorman-Murray, A., Morris, S., Keppel, J., McKinnon, S. and **Dominey-Howes, D.** (2017). Problems and possibilities on the margins: LGBT experiences in the 2011 Queensland floods. *Gender, Place and Culture*, 24 (1), 37-51.

McKinnon, S., Gorman-Murray, A. & **Dominey-Howes, D.** (2017). Disasters, queer narratives and the news: how are LGBTI disaster experiences reported by the mainstream and LGBTI media? *The Journal of Homosexuality*, 64 (1), 122-144.

McKinnon, S., Gorman-Murray, A., & **Dominey-Howes, D.** (2017) Remembering an epidemic during a disaster: Memories of HIV/AIDS, gay identities and experiences of disaster, *Gender, Place and Culture*, 24 (1), 52-63.

Minos-Minopoulos, D., Dominey-Howes, D. & Pavloppoulos, K. (2017). Vulnerability assessment of archeological sites to earthquake hazard: an indicator-based method integrating spatial and temporal aspects. *Annals of Geophysics*, 60 (4), 0445.

2016

Alam, E. & **Dominey-Howes, D.** (2016). A catalogue of earthquakes between 810BC and 2012 for the Bay of Bengal. *Natural Hazards*, 81, 2031-2102.

Dall'Oso, F., **Dominey-Howes, D.**, Tarbotton, C., Summerhayes, S. & Withycombe, G. (2016). Revision and improvement of the PTVA-3 model for assessing tsunami building vulnerability using 'international expert judgment' – introducing the PTVA-4 model. *Natural Hazards*, 83, 1229-1256.

Dominey-Howes, D., Gorman-Murray, A., McKinnon, S., Itaoui, R. & Keppel, J. (2016). Emergency management response and recovery plans in relation to sexual and gender minorities in New South Wales, Australia. *International Journal of Disaster Risk Reduction*, 16, 1-11.

McKinnon, S., Gorman-Murray, A. & **Dominey-Howes, D.** (2016). The greatest loss was a loss of our history: natural disasters, marginalised identities and sites of memory. *Social and Cultural Geography*, 17 (8), 1120-1139.

Minos-Minopoulos, D., **Dominey-Howes, D.** & Pavlopoulos, K. (2016). Spatial susceptibility of archaeological sites to earthquake environmental effects. *Bulletin of the Geological Society of Greece*, 50 (1), 511-520

Sewell, T., Stephens, R., **Dominey-Howes, D.**, Bruce, E. & Perkins, S. (2016). Natural disaster declarations in New South Wales, Australia between 2004 and 2014. *Nature Scientific Reports*, 6, 36369; doi: 10.1038/srep36369

Strotz, L., Mamo, B. & **Dominey-Howes, D.** (2016). Effects of cyclone-generated disturbance on a tropical reef foraminifera assemblage. *Nature Scientific Reports*, 6, 24846; doi: 10.1038/srep24846

van der Veecken, S., Calgaro, E., Munk Klint, L., Law, A., Jiang, M., De Lacy, T. & **Dominey-Howes, D.** (2016). Tourism destinations' vulnerability to climate change: nature-based tourism in Vava'u, the Kingdom of Tonga. *Tourism and Hospitality Research*, 16 (1), 50 - 71.

2015

Alam, E. & **Dominey-Howes, D.** (2015). A new catalogue of tropical cyclones of the northern Bay of Bengal and the distribution and effects of selected landfalling events in Bangladesh. *International Journal of Climatology*, 35 (6), 801-835.

Dominey-Howes, D. (2015). Seeing 'the dark passenger' – reflections on the emotional trauma of conducting post-disaster research. *Emotion, Space and Society*, 17, 55-62.

Dominey-Howes, D., Bajorek, B., Michael, C., Betteridge, B., Iredell, J. & Labbate, M. (2015). Applying the emergency risk management process to tackle the crisis of antibiotic resistance *Frontiers in Microbiology*, 6, 927-936.

Drozdowski, D. & **Dominey-Howes, D.** (2015). Research and trauma: understanding the impact of traumatic content and places on the researcher. *Emotion, Space and Society*, 17, 17-21.

Drozdowski, D., Brander, R., **Dominey-Howes, D.** & Roberts, A. (2015). The experiences of weak and non-swimmers caught in rip currents at Australian beaches. *Australian Geographer*, 46 (1), 15 – 32.

Minos-Minopoulos, D., Pavlopoulos, K., Apostolopoulos, G., Lekkas, E. & **Dominey-Howes, D.** (2015). Liquefaction features at an archaeological site: investigations of past earthquake events at the Early Christian Basilica, Ancient Lechaion Harbour, Corinth, Greece. *Tectonophysics*, 658, 74-90.

Tarbotton, C. Dall'Osso, F., **Dominey-Howes, D.** & Goff, J. (2015). The use of empirical vulnerability functions to assess the response of buildings to tsunami impact: comparative review and summary of best practice. *Earth Science Reviews*, 142, 120-134.

2014

Alam, E. & **Dominey-Howes, D.** (2014). An analysis of the AD1762 earthquake and tsunami in SE Bangladesh. *Natural Hazards*, 70, 903-933.

Brander, R., Drozdowski, D. & **Dominey-Howes, D.** (2014). 'Dye in the water': a visual approach to communicating the rip current hazard. *Science Communication*, 36 (6), 802 – 810.

Bradsheet, A., Brander, R., McCarroll, J., Brighton, B., **Dominey-Howes, D.**, Drozdowski, D., Sherker, S., Turner, I., Roberts, A. and MacMahan, J. (2014). Rip current survival principles: towards consistency. *Journal of Coastal Research*, SI, 72, 85-92.

Calgaro, E., Lloyd, K. & **Dominey-Howes, D.** (2014a). From vulnerability to transformation: a framework for assessing the resilience and vulnerability of tourism destinations in a world of uncertainty. *Journal of Sustainable Tourism*, 22 (3), 341-360.

Calgaro, E., Lloyd, K. & **Dominey-Howes, D.** (2014b). Application of the *Destination Sustainability Framework (DFS)* to explore the drivers of vulnerability in Thailand following the 2004 Indian Ocean tsunami. *Journal of Sustainable Tourism*, 22 (3), 361-383.

Dall’Osso, F., **Dominey-Howes, D.**, Moore, C., Summerhayes, S. and Withycombe, G. (2014). The exposure of Sydney, Australia to earthquake-generated tsunamis, storms and sea level rise: a probabilistic multi-hazard approach. *Nature Scientific Reports*, 4, 7401: DOI:10.1038/srep07401 (2014).

Dominey-Howes, D., Michael, C. and Labbate, M. (2014). Why emergency management should be interested in the emergence of antibiotic resistance. *Australian Journal of Emergency Management*, 29 (3), 11-15.

Dominey-Howes, D., Gorman-Murray, A. & McKinnon, S. (2014). Queering disasters: on the need to account for LGBTI experiences in natural disaster contexts. *Gender, Place and Culture*, 21 (7), 905 – 918.

Filep, S., Klint, L., Whitelaw, P., **Dominey-Howes, D.** & Delacy, T. (2014). Happiness, satisfaction and risk perceptions. *Tourism Review International*, 17 (4), 283-298.

Gorman-Murray, A., McKinnon, S. & **Dominey-Howes, D.** (2014). Queer domicile: LGBT displacement and home loss in natural disaster impact, response and recovery. *Home Cultures*, 11 (2), 237-262.

Gorman-Murray, A., Morris, S., Keppel, J., McKinnon, S. & **Dominey-Howes, D.** (2014) ‘The LGBTI community in the 2011 Queensland floods: marginality, vulnerability and resilience’, *LES Online: Digital Journal on Lesbian Issues*, 6 (1), 4 – 20. Available at: <http://www.lespt.org/lesonline/index.php?journal=lo>

Michael, C., **Dominey-Howes, D.** & Labbate, M. (2014). The antimicrobial resistance crisis: causes, consequences and management. *Frontiers in Public Health*. Doi: 10.3389/fpubh.2014.00145

2013

Brander, R., **Dominey-Howes, D.**, Champion, C., Del Vecchio, O. & Brighton, B. (2013). A new perspective on the Australian rip current hazard. *Natural Hazards and Earth System Sciences*, 13, 1687-1690.

Dominey-Howes, D. (2013). Tsunami waves of destruction – creation of the ‘new Australian catastrophe’. *Media and Culture*, 16 (1), 1-6.

Dominey-Howes, D. & Goff, J. (2013). Tsunami risk management in Pacific Island Countries and Territories (PICTs) – some issues, challenges and ways forward. *Pure and Applied Geophysics*, 170, 1397-1413.

Satake, K., Rabinovich, A., **Dominey-Howes, D.** & Borrero, J. (2013a). Introduction to “Historical and Recent Catastrophic Tsunamis in the World: Volume I: The 2011 Tohoku, Japan Tsunami”. *Pure and Applied Geophysics*, 170, 955-961.

Satake, K., Rabinovich, A., **Dominey-Howes, D.** & Borrero, J. (2013b). Introduction to “Historical and Recent Catastrophic Tsunamis in the World: Volume II: Tsunamis from 1755 - 2010”. *Pure and Applied Geophysics*, 170, 1361-1367.

Veland, S., Howitt, R., **Dominey-Howes, D.**, Houston, D., Thomalla, F. & Houston, D. (2013). Procedural vulnerability to global environmental change. *Global Environmental Change*, 23, 314 – 326.

Wong, E., Jiang, M., Klint, L., **Dominey-Howes, D.** & DeLacy, T. (2013). Evaluation of Policy Environment for Climate Change Adaptation in Tourism. *Tourism and Hospitality Research*, 13 (4), 201-225.

Wong, E., Jiang, M., Klint, L., DeLacy, T., Harrison, D. & **Dominey-Howes, D.** (2013). Policy environment for the tourism sector’s adaptation to climate change in the South Pacific – the case of Samoa. *Asia-Pacific Journal of Tourism Research*, 18 (1/2), 52 – 71.

2012

Alam, E., **Dominey-Howes, D.**, Chagué-Goff, C. & Goff, J. (2012). Tsunamis of the northeast Indian Ocean with a particular focus on the Bay of Bengal – a synthesis and review. *Earth Science Reviews*, 114, 175-193.

Chagué-Goff, C., Goff, J., Nichol, S., Dudley, W., Zawadzki, A., Bennett, J., Mooney, S., Heijnis, H., **Dominey-Howes, D.** & Courtney, C. (2012). Multi-proxy evidence for trans-Pacific tsunamis in the Hawaiian Islands. *Marine Geology*, 299/302, 77 – 89.

Courtney, C., **Dominey-Howes, D.**, Goff, J., Chagué-Goff, C., Switzer, A. & McFagden, B. (2012). A synthesis and review of the geological evidence for palaeotsunamis along the coast of southeast Australia: the evidence, issues and potential ways forward. *Quaternary Science Reviews*, 54, 99-125.

Drozdowski, D., Shaw, W., **Dominey-Howes, D.**, Brander, R., Walton, T., Gero, A., Sherker, S., Goff, J. & Edwick, B. (2012). Surveying rip current survivors: preliminary insights into the experiences of being caught in rip currents. *Natural Hazards and Earth System Sciences*, 12, 1201-1211.

Goff, J., Chagué-Goff, C., Archer, M., **Dominey-Howes, D.** & Turney, C. (2012). The Eltanin asteroid impact: possible South Pacific palaeomegatsunami footprint and potential implications for the Pliocene-Pleistocene transition. *Journal of Quaternary Science*, 27 (7), 660-670.

Goff, J., Chagué-Goff, C., Nichol, S.L., Jaffe, B. & **Dominey-Howes, D.** (2012). Progress in palaeotsunami research. *Sedimentary Geology*, 243/244, 70-88.

Jiang, M., Wong, E., Klint, L., Delacy, T. & **Dominey-Howes, D.** (2012). Tourism Adaptation to Climate Change in the Pacific: Analysing the Policy Environment in Fiji. *International Journal of Tourism Policy*, 4 (3), 238- 260.

Klint, L., Jiang, M., Law, A., DeLacy, T., Filep, S., Calgaro, E., **Dominey-Howes, D.** & Harrison, D. (2012). Dive tourism in Luganville, Vanuatu: shocks, stressors and vulnerability to climate change. *Journal of Tourism in Marine Environments*, 8 (1/2), 91 – 109.

Klint, L.M., Wong, E., Jiang, M., DeLacy, T., Harrison, D. & **Dominey-Howes, D.** (2012). Climate change adaptation in the Pacific Island tourism sector: analysing the policy environment in Vanuatu. *Current Issues in Tourism*, 15 (3), 247-274.

Tarbotton, C., **Dominey-Howes, D.**, Goff, J., Dall’Osso, F., Papathoma-Köhle, M. & Turner, I. (2012). A review of the Papathoma Tsunami Vulnerability Assessment Model – current trends and future needs. *Geological Society, London, Special Publications*, 361, 115-125.

2011

Bird, D., Gísladóttir, G. & **Dominey-Howes, D.** (2011). Different communities, different perspectives: issues affecting residents’ response to a volcanic eruption in southern Iceland. *Bulletin of Volcanology*, 73, 1209-1227.

Chagué-Goff, C., Schneider, J-L., Goff, J., **Dominey-Howes, D.** & Strotz, L. (2011). Expanding the proxy toolkit to help identify past events – lessons from the 2004 Indian Ocean tsunami and 2009 South Pacific tsunami. *Earth Science Reviews*, 107, 107 – 122.

Gero, A., Méheux, K. & **Dominey-Howes, D.** (2011). Integrating community-based disaster risk reduction and climate change adaptation: examples from the Pacific. *Natural Hazards and Earth System Sciences*, 11, 101-113.

Gero, A., Méheux, K. & **Dominey-Howes, D.** (2011). Integrating disaster risk reduction and climate change adaptation in the Pacific. *Climate and Development*, 3 (4), 310-327.

Goff, J. & **Dominey-Howes, D.** (2011). The 2009 South Pacific tsunami. *Earth Science Reviews*, 107, v – viii.

Goff, J., Chagué-Goff, C., **Dominey-Howes, D.**, McAdoo, B., Cronin, S., Bonté-Grapetin, M., Nichol, S., Horrocks, M., Cisternas, M., Lamarche, G., Pelletier, B., Jaffe, B. & Dudley, W. (2011). Palaeotsunamis in the Pacific Islands. *Earth Science Reviews*, 107, 141 – 146.

Richmond, B., Buckley, M., Etienne, S., Chague-Goff, C., Clark, K., Goff, J., **Dominey-Howes, D.** & Strotz, L. (2011). Deposits, flow characteristics, and landscape change resulting from the September 2009 South Pacific tsunami in the Samoan islands. *Earth Science Reviews*. 107, 38 – 51.

Roman, C., Lynch, A. & **Dominey-Howes, D.** (2011). What is the goal? Framing the climate change adaptation question through a problem-oriented approach. *Climate, Weather and Society*, 3, 1, 16-30.

Switzer, A., Mamo, B., **Dominey-Howes, D.**, Strotz, L., Courtney, C., Jones, B., Haslet, S., & Everett, D. (2011). On the possible origins of an unusual (Mid to Late Holocene) coastal deposit, Old Punt Bay, South-East Australia. *Geographical Research*, 49, (4), 408-430.

van Zijll de Jong, S., **Dominey-Howes, D.**, Roman, C., Calgaro, E., Gero, A., Veland, S., Bird, D., Muliaina, T., Tuiloma-Sua, D., & Afioga, T. (2011). Process, practice and priorities – reflections on, and suggestions for, undertaking sensitive social reconnaissance research as part of an (UNESCO-IOC) International Tsunami Survey Team. *Earth Science Reviews*, 107, 174 – 192.

2010

Dominey-Howes, D. & Goff, J. (2010). Tsunami: unexpected blow foils flawless warning. *Nature*, 464: 350.

Dominey-Howes, D., Dunbar, P., Verner, J & Papathoma-Köhle, M. (2010). Estimating probable maximum loss from a Cascadia tsunami. *Natural Hazards*, 53, 43-61.

Bird, D., **Dominey-Howes, D.** & Gísladóttir, G. (2010). Volcanic risk and tourism in southern Iceland: implications for hazard, risk and emergency response education and training. *Journal of Volcanology and Geothermal Research*, 189, 33-48.

Dall’Osso, F. & **Dominey-Howes, D.** (2010). Public assessment of the usefulness of “draft” tsunami evacuation maps from Sydney, Australia – implications for the establishment of formal evacuation plans. *Natural Hazards and Earth System Sciences*, 10 (8), 1739-1750.

Dall’Osso, F. & **Dominey-Howes, D.** (2010). “Reducing the loss”: using high resolution vulnerability assessments to enhance tsunami risk reduction strategies. *Australian Journal of Emergency Management*, 25 (4), 24-30.

Goff, J. & **Dominey-Howes, D.** (2010). Does the Eltanin asteroid provide an alternative explanation for the Australian Megatsunami Hypothesis? *Natural Hazards and Earth System Sciences*, 10, 713-715.

Goff, J., **Dominey-Howes, D.**, Chagué-Goff, C. & Courtney, C. (2010). Analysis of the Mahuika comet impact tsunami hypothesis. *Marine Geology*, 271, 292-296.

Goff, J., Weiss, R., Courtney, C. & **Dominey-Howes, D.** (2010). Testing the hypothesis for tsunami boulder suspension. *Marine Geology*, 277, 73-77.

Lau, A., Switzer, A., **Dominey-Howes, D.**, Zong, Y. & Aitchison, J. (2010). Written records of historical tsunamis in the northeastern South China Sea – challenges associated with developing a new database. *Natural Hazards and Earth System Sciences*, 10 (9), 1793-1806.

Méheux, K., Lloyd, K. & **Dominey-Howes, D.** (2010). Operational challenges to the achievement of community participation in post-disaster damage assessments. *Disasters*, 34, (4), 1102-1122.

Roman, C., Lynch, A. & **Dominey-Howes, D.** (2010). Uncovering the essence of the climate adaptation problem - a case study of the tourism sector at Alpine Shire, Victoria, Australia. *Journal of Tourism and Hospitality Planning*, 3, 237-252.

Veland, S., Howitt, R. & **Dominey-Howes, D.** (2010). Invisible institutions in emergencies: evacuating the remote Indigenous community of Waruwi, Northern Territory Australia, from Tropical Cyclone Monica. *Environmental Hazards*, 9, 197-214.

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Dominey-Howes, D. (2009). Preliminary assessment of the impacts and effects of the South Pacific tsunami of September 2009 in Samoa. *EOS Trans.* AGU 90 (52), Fall Meet. Suppl., Abstract U23F-03

Dominey-Howes, D. & Dall’Osso, F. (2009). *A method for assessing the vulnerability of building structures in Sydney.* The Sydney Coastal Councils Group Inc. 148pp. Available at: www.sydneycostalcouncils.com.au

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Mamo, B., Strotz, L & **Dominey-Howes, D.** (2009). Tsunami sediments and their foraminiferal assemblages. *EOS Trans.* AGU 90 (52), Fall Meet. Suppl., Abstract NH31-1110

Bird, D., Gisladottir, G. & **Dominey-Howes, D.** (2008). Will tourists positively respond to a jökulhlaup warning if Katla erupts in southern Iceland? *Geophysical Research Abstracts*, 10, EGU2008-A-02567, 2008. SRef-ID: 1607-7962/gra/EGU2008-A-02567

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Dominey-Howes, D. (2007). *Public evaluation of the Solomon Islands tsunami warning.* (Unpublished Report). New South Wales State Emergency Services. 85pp.

Dominey-Howes, D. (2007). *Tsunamis along the coast of New South Wales.* (Unpublished Report). NSW State Government/State Emergency Services. 45pp.

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- Dominey-Howes, D.** (2007). Lessons from the Solomon Islands tsunami alert in Australia. Macquarie University News, May/June 2007, 13. Available at: http://www.pr.mq.edu.au/macnews/MUN_PDFS/200706.pdf
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- Dominey-Howes, D.** (2005). *Reassessing historical records of tsunami in the Indian Ocean*. (Unpublished Report). Geoscience Australia. 10pp.
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- Dominey-Howes, D.** (2005). *Post-tsunami field survey in South Male' Atoll (Kaafu), The Republic of the Maldives*. (Unpublished Report). AON Re, Australia Ltd. 44pp.
- Walker, G. and **Dominey-Howes, D.** (2005). Tsunami and Insurance. A Technical Professional Industry Report. AON Re, Australia Ltd. 26pp.
- Dominey-Howes, D.** (2004). *Archival records of tsunami in the Indian Ocean*. (Unpublished Report). Geoscience Australia. 4pp.
- Dominey-Howes, D.** (1999). *Foraminifera as a Tool for Palaeoenvironmental Reconstruction: Working Paper CCDM/01-98*. (Unpublished Report). INQUA Shorelines Commission (Indian Sub-commission), Bose Institute, Calcutta, India. 35pp.
- Dominey-Howes, D.** (1997). Report on the International Conference: Late Quaternary Coastal Tectonics. *Quaternary Newsletter*, 82, (October 1997), 33-35.
- Dominey-Howes, D.** (1997). The geomorphology and sedimentology of five tsunamis in the Aegean Sea region, Greece. *Commission on Coastal Systems: Newsletter*, 42, (July 1997), 6-7.
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- Dominey-Howes, D.** (1997). *Palaeoenvironmental Reconstruction and Sea Level Change History of Auger Core 01: Malia Marsh, north Crete, Greece*. (Unpublished Report). Departments of Applied Mathematics and Earth Sciences, Monash University, Melbourne, Australia. 18pp.
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Dominey-Howes, D. (1996). Some Preliminary Remarks on Tsunami Deposited Sediments in the Aegean Sea Region, Greece. *Annales Geophysicae*, 14, 1, (1), 283.

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Blythe, C.D., **Dominey-Howes, D.** & Sinnott, A.M. (1996). *Stratigraphic and Environmental Investigation of Sediments Associated with Bronze Age Structures and Finds, Carrigedirty, Co. Limerick*. (Unpublished Report). The North Munster Wetlands Project, The Discovery Programme, Office of Public Works, Eire. 22pp.

Dawson, A.G., Smith, D.E., Hindson, R.A., **Dominey-Howes, D.**, Dawson, S., Shi, S., Ruffman, A., Tuttle, T., Anderson, T. & Andrade, C. (1996). Linking Palaeotsunami Records with Source Mechanisms. *Annales Geophysicae*, 14, 1, (1), 283.

Hindson, R.A., **Dominey-Howes, D.**, Dawson, S., Shi, S. & Andrade, C. (1996). Lithostratigraphic and Biostratigraphic Records of Tsunami Sedimentation. *Annales Geophysicae*, 14, 1, (1), 284.

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Dawson, A.G., Hindson, R.A. & **Howes, D.** (1994). Geological Evidence for Quaternary Tsunamis in the Mediterranean. p22. In: Kelletat, D. (ed). *Methods and Models for Rapid Coastal Changes*. International Geographical Union, Commission on Coastal Systems, 9-15th April 1994, Crete, Greece.

Dawson, A.G., Smith, D.E., **Dominey-Howes, D.**, Hindson, R.A. & Dawson, S. (1994). *Genesis and Impact of Tsunamis on the European Coasts. GITEC 2nd Interim Report*. (Unpublished Report). Directorate General XII (Science, Research and Development) – Climatology and Natural Hazards, The European Union, Brussels, September 1994. 18pp.

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RESEARCH GRANT & CONSULTANCY INCOME

Career total income AUS\$12,722,683

Research grants – Submitted and pending

AUD\$224,698 Household determinants for safer post-disaster housing construction. Australian Research Council, *Linkage Projects*. Role – **Chief-investigator** (with Opdyke and Alinsunurin).

AUS\$692,420 Developing a One Health framework for investigating human behaviour driven acquisition and carriage of antibiotic resistance. National Health and Medical Research Council, *Ideas Grants Projects*. Role – **Chief-investigator** (with Labbate and 4 others).

US\$13,662,484 Building the Resilience of Persons with Disabilities to Cope with Climate Change in the Asia Pacific Region. The Adaptation Fund. Role – **Chief-investigator** (with UNDP, Calgaro & 12 others).

Research grants - Successful

Euro25,000 – July 2020. Climate impact resilience in the Pacific. Fonds Pacifique 2020. Role – **Chief-investigator** (with Professor Serre).

AUS\$658,000 – July 2019. Disaster risk reduction practices that leave nobody behind. Australian Research Council, *Linkage Projects*. Role – **Chief-investigator** (with Villeneuve and 2 others).

AUS\$15,000 – November 2017. Climate adaptation in disaster-prone environments of southeast Asia. Sydney Southeast Asia Centre Workshop Grant. Role – **Co-investigator** (with Bruce and five others).

AUS\$26,500 – June 2017. Ethics and Antimicrobial resistance (AMR): a global solution to a global problem. University of Sydney, Policy Lab Grant. Role – **Co-investigator** (with Dawson and four others).

AUS\$33,500 – April 2017. Tackling antimicrobial resistance as a public health problem. University of Sydney, Priority Partnerships Collaboration Award with the University of Hong Kong and the University of Sydney. Role – **Co-investigator** (with Hill-Cawthorne and three others).

AUS\$500,000 – February 2017. [Human Health and Social Impacts Node](#) of the NSW Adaptation Research Hub. NSW OEH, Government of NSW. Role – **Chief Investigator** (with Capon and 12 others).

AUS\$150,000 – December 2016. Human health, climate and environment. University of Sydney SERI2020 Initiative. Role – **Investigator** (with Capon and 10 others).

AUS\$112,500 – February 2016. Investigating stakeholder attitudes to antimicrobial resistance (AMR) – new insights to underpin a “One Health” policy approach in Australia. University of Sydney, Faculty of Science Strategic Research Grant 2016. Role – **Chief-investigator** (with Labbate and 12 others).

US\$1,014,000 (AUS\$1,480,440) – September 2015. Disability and disasters: empowering people and building resilience to risk (Stage 3 Grant). The Global Resilience Partnership (The Rockefeller Foundation & USAID). Role – Co **Chief-investigator** (with Calgaro).

US\$199,463 (AUS\$256,766) – February 2015. Disability and disasters: empowering people and building resilience to risk. The Global Resilience Partnership (The Rockefeller Foundation & USAID). Role – Co **Chief-investigator** (with Calgaro).

AUS\$589,342 – January 2015. Increasing the resilience of people living with disabilities to natural disasters – a collaborative, community approach. National Disaster Resilience Program. Role – Co **Chief-investigator** (with Dall’Osso, Llywellyn).

AUS\$2,500 - October 2014. A Geographic analysis of the disaster risk of antibiotic resistance. Marie Bashir Institute, University of Sydney. Category 3, Seed Grant Program. Role – **Chief-investigator** (with Iredell, Bruce, Labbate).

AUS\$237,406 - August 2014. Sharing responsibility for natural disasters by increasing preparedness of the deaf community. National Disaster Resilience Program. Role – **Co-Chief-investigator** (with The Deaf Society of NSW, the NSW State Emergency Service).

AUS\$6,208 June 2014. Geological and social analysis of volcanic hazards and risk, Taal Volcano, The Philippines. Role – **Chief-investigator**. Cluster research grant – volcanic hazard in the Philippines – Sydney SE Asia Centre.

AUS\$30,000 – April 2013 Natural hazards and disaster risk reduction policy in Western Australia. ARC CRC Bushfires and Natural Hazards. Role – **Sole Chief-investigator**.

AUS\$900,000 – March 2013. Coastal Processes and Response Node of the NSW Adaptation Research Hub. NSW Government, Office for Environment and Heritage. Role – **Co-Chief-investigator**.

AUS\$207,185 – November 2012. Why do Australians still die in natural disasters? Australian Research Council, *Discovery* Projects. Role – **Sole Chief-investigator**.

AUS\$325,155 – November 2012. Queering disasters: investigating the experiences of LBGTI people in natural disasters in the Antipodes. Australian Research Council, *Discovery* Projects. Role – **Co-Chief-investigator** (with Gorman-Murray, UWS).

AUS\$84,500 – June 2012. Review of flood safety requirements with respect to flash flood events on flood prone land. New South Wales Government, Department of Planning and Infrastructure. Role – **Co-Chief-investigator** (with Smith, Cox and Raham, Water Research Lab, UNSW).

AUS\$21,000 – Jan 2012. Queering disasters in the Antipodes. University of Western Sydney, Internal Grants Scheme. Role – **Co-Chief-investigator** (with Gorman-Murray, UWS).

AUS\$396,000 – June 2011. Rip currents: an evidence-based approach to managing the greatest beach hazard. Australian Research Council, *Linkage* Program. Role – **Chief-investigator** (with six others).

AUS\$518,000 – May 2011. Coastal Vulnerability to Multiple Inundation Tool (COVER MAR). National Disaster Mitigation Program (NDMP). (\$297,000 from NDMP and \$221,000 from other partners). Role – **Chief-investigator**.

AUS\$544,977 – May 2011. Increasing the resilience of the Deaf Community in NSW to natural hazards and disasters. National Disaster Mitigation Program (NDMP). (\$346,000 from NDMP and \$198,997 from other partners). Role – **Chief-investigator**.

AUS\$5,000 – December 2010. Tsunamis in the Pacific Islands - a first pass assessment. The World Bank. Role – **Co-Chief-investigator**.

AUS\$12,272 – June 2010. Demographics, surf knowledge and behavioural response of the rip current rescue victims. Australian Surf Life Saving Foundation. Role – **Co-Chief-investigator**.

AUS\$7,000 – December 2009. Review of Tasmanian Palaeotsunami studies. Mineral Resources Tasmania. Role – **Co-Chief-investigator**.

AUS\$60,000 – May 2009. Radiocarbon dating and coastal sediments. ANSTO Postgraduate Awards Role – **Co-investigator**.

AUS\$398,000 – February 2009. Integrating policy and practice to deliver enhanced adaptation to climate change in the South Pacific Island tourism sector. AusAID Competitive Research Grants Program. Role – **Co-Chief-investigator**.

AUS\$100,000 – February 2009. Integrating community participation in effective disaster risk reduction in the South Pacific. AusAID Competitive Research Grants Program. Role – **Chief-investigator**.

AUS\$5,000 – September 2008. *Rapid* assessment of potential impacts of climate change and possible adaptation options – Port Macquarie Hastings Council. GMU Architects and Urban Designers and Port Macquarie Hastings Local Council. Role – **Chief-investigator**.

AUS\$210,000 – June 2008. Scoping study on the risks from climate change to indigenous communities in the Tropical North of Australia. Australian Government Department of Climate Change. Role – **Investigator**.

AUS\$100,000 (HK\$810,000) – June 2008. Documentary and geological records of catastrophic marine inundations on the coast of Taiwan and SE China. Hong Kong Research Council. Role – **Co-Chief-investigator**.

AUS\$300,000 – October 2007. Testing the Australian Mega-tsunami Hypothesis. Australian Research Council, *Discovery* Project. Role – **Chief-investigator**.

AUS\$28,000 – May 2007. Public perceptions of tsunami warnings. New South Wales State Emergency Services. Role – **Chief-investigator**.

AUS\$18,000 – May 2007. Critical thresholds for the Australian Tsunami Warning System. Bureau of Meteorology. Role – **Chief-investigator**

AUS\$75,000 – March 2007. Quantifying the tsunami risk to the coasts of New South Wales. NSW Government, State Emergency Services. Role – **Chief-investigator**.

AUS\$229,000 – June 2006. Economic valuation of Sydney beaches: towards a cost-benefit framework in climate change impact assessment. NSW Government. Role – **Chief-investigator**.

AUS\$42,000 – August 2006. Climate change impacts on the Victorian Alpine Tourism industry. Monash University. Role – **Co-investigator**.

US\$13,000 (AUS\$15,000) – June 2006. Applying the PTVA Tsunami Vulnerability Assessment Model to Seaside, Oregon, USA. NOAA, USA Federal Government. Role – **Chief-investigator**.

AUS\$10,000 – May 2005. Historical records of tsunami in the Indian Ocean. Geoscience Australia. Role – **Chief-investigator**.

AUS\$10,000 – January 2005. Field investigation of the December 2004 Indian Ocean tsunami disaster. Aon Re, Australia Ltd. Role – **Chief-investigator**.

AUS\$1,950,000 – September 2004. The ARC Earth System Science Network. The Australian Research Council. Role – **Member**.

AUS\$163,000 – January 2005. Community vulnerability and indigenous coping strategies. Macquarie University iMURS Scheme. Macquarie University. Role – **Chief-investigator**.

AUS\$163,000 – December 2003. Community participation in disaster damage assessment in Fiji. Macquarie University iMURS Scheme. Macquarie University. Role – **Chief-investigator**.

AUS\$1,200 – December 2003. Determining a record of 20th century storms at Manly, Sydney. Department of Physical Geography, Vacation Scholarship, Macquarie University. Role – **Chief-investigator**.

£15,795.00 (AUS\$30,000) – December 2001. Holocene sea level changes on the Kerala coastline, SW India. The Leverhulme Trust. Role – **Co-investigator**.

£1,800.00 (AUS\$4,000) – September 2001. Recent sea-level changes in the Maldives. The Durham Research Trust. With Tooley. Role – **Co-investigator**.

£37,900.00 (AUS\$78,000) – May 1999. Tsunami Risk Assessment for the UK Insurance Industry. NERC TSUNAMI Initiative, Grant Number GR/AP301. Role – **Co-Chief-investigator**

£60,000.00 (AUS\$130,000) – February 1999. Coastal Tsunami Hazard Assessment and Disaster Management in Greece. Higher Education Funding Council for England – Non-Formula Funding. Role – **Chief-investigator**.

£17,475.00 (AUS\$36,000) – July 1998. The July 1998 Papua New Guinea Tsunami Disaster. NERC, Emergency Research Grant, Grant Number GR3/12130. Role – **Co-Chief-investigator**.

US\$4,000.00 (AUS\$5,000) - March 1998. Natural Disasters and Information Technologies. The World Health Organisation. Role – **Chief-investigator**.

£10,000.00 (AUS\$20,000) - February 1998. Sediment Records of Catastrophic Storm Surges in Bangladesh. Higher Education Funding Council for England. Role – **Chief-investigator**.

£45,000.00 (AUS\$100,000) - July 1997. Risk Information and Management System. Higher Education Funding Council for England – Non-Formula Funding. Role – **Chief-investigator**.

£1,000.00 (AUS\$2,200) – June 1997. The Minoan Tsunami on Crete. Australian Research Council (award made via Monash University). Role – **Co-investigator**.

£400.00 (AUS\$900) - August 1996. Foraminiferal Analysis and Wetland Palaeoenvironmental Reconstruction. The North Munster Wetlands Project, The Discovery Programme, Office of Public Works, Eire (award made via University College Cork). Role – **Co-investigator**.

£200.00 (AUS\$450) - May 1996. Foraminiferal Analysis and Wetland Palaeoenvironmental Reconstruction. The North Munster Wetlands Project, The Discovery Programme, Office of Public Works, Eire (award made via University College Cork). Role – **Co-investigator**.

Other programs and activities – Successful

AUS\$10,600. Natural hazards and disaster risk. The University of Sydney Summer Scholarships Research Program.

AUS\$80,000 – August 2009. Tsunami PhD scholarships fieldwork funds. University of New South Wales, Faculty of Science Initiative.

AUS\$883,000 – April 2008. Developing the Australian Tsunami Research Centre. University of New South Wales, Strategic Research Priority Fund Initiative Bid.

AUS\$19,160 – December 2003. An investigation of the needs and expectations of employers for generic capabilities of graduates from the Division of Environmental and Life Sciences. Principal Investigator in collaboration with Dr Anna Lyth, Graduate School of the Environment. Macquarie University Strategic Curriculum Innovation Grants, Macquarie University.

£1,000.00 (AUS\$2,200) – April 2002. Staff development grant to support staff training in disaster management. Kingston University.

£850.00 (AUS\$1700) – January 2002. Travel grant to present paper at the 2nd International Tsunami Society Tsunami Symposium, Hawaii, USA, 25th – 28th May 2002. The Royal Society.

£700.00 (AUS\$1500) – February 1999. Organisational grant to support a one day symposium organised by me entitled: “HIV/AIDS and Its Impacts on Developing Countries”. (In collaboration with The African Studies Centre, Coventry University). Coventry University.

£9,211.00 (AUS\$20,000) – December 1998. Grant awarded to me to organise and deliver a Disaster Preparedness and Prevention training course at Coventry University to a British Council funded fellow from Ethiopia. The British Council.

£60,000.00 (AUS\$130,000) – August 1998. Principal Investigator. Grant awarded to undertake four Community Level Vulnerability Reduction and Disaster Management research programmes as part of undergraduate student professional development. Department for International Development.

£69,000.00 (AUS\$150,000) – September 1997. Principal Investigator. Grant awarded to undertake five Community Level Vulnerability Reduction and Disaster Management research programmes as part of undergraduate student professional development. Department for International Development.

£8,000.00 (AUS\$17,000) - June 1997. Grant awarded to me to organise and deliver a Disaster Preparedness and Prevention training course at Coventry University to a British Council funded fellow from Poland. The British Council.

£1,000.00 (AUS\$2,200) - May 1996. European Research Conference on Natural and Anthropogenically Induced Natural Hazards, Corinth, Greece, 18-24th May 1996. Human Capital and Mobility Programme of the European Union, Brussels.

SUPERVISION OF HIGHER DEGREE RESEARCH STUDENTS

Successful completions (reverse chronological order)

Matthew Ellis (PhD) (awarded August 2020) – The contemporary Australian emergency manager: an examination of the demographics, qualifications, training, education, experience, knowledge, competence and confidence of Australian emergency management practitioners.

Victoria Haynes (Honours) (awarded First Class, June 2020) – Exploring the heatwave vulnerability and resilience of planned estates of Western Sydney.

Perla Delos Reyes (PhD) (awarded November 2019) – An interdisciplinary study of the hazards associated with an AD1754 style eruption of Taal Volcano, Philippines.

Rachel Horwood (Honours) (awarded First Class, May 2019) – Monitoring vegetation growth along powerline corridors using open source satellite imagery: a case study in the Ku-ring-gai Chase National Park, NSW.

Carolyn Boccalatte Montes (Honours) (awarded First Class, December 2018) – An investigation of the value of social media (Tweeter) in supporting communities for disaster preparedness in Australia.

Tom Sewell (Honours) (awarded First Class, November 2015) – Assessing the risk to coastal infrastructure to tsunami inundation.

Amanda Thran (Honours) (awarded First Class, November 2015) – Assessing the risk from tsunamis generated by submarine landslides.

Annie Zhou (Honours) (awarded First Class, November 2015) – On the geography of the antibiotic resistance crisis.

Despina Minos-Minopoulos (PhD) (awarded November 2015) - Vulnerability and risk of archaeological sites to geomorphological – geological processes.

Edris Alam (PhD) (awarded October 2015) – A new record and geography of tsunamis, earthquakes and tropical cyclones in Bangladesh and their relevance to disaster risk reduction.

Cameron Tarbotton (PhD) (awarded June 2014) – Developing probabilistic models for predicting tsunami induced building damage.

Renny Toh (Honours) (awarded Upper Second Class, July 2013) – Climate change policy adaptation in Singapore.

Claire Courtney (PhD) (awarded November 2012). Holocene extreme events along the coast of New South Wales with a special reference to the Australian Megatsunami Hypothesis.

David Anning (PhD) (awarded November 2012) – Quantification of the value of Sydney beaches in the face of climate change risk.

* NOTE: Dr Anning was awarded a Wentworth Group Postgraduate Scholarship with Prof Bruce Thom and Prof Tim Flannery and a CSIRO top up scholarship.

Siri Veland (PhD) (awarded January 2012) – Indigenous contexts of climate and change: narrating local realities within global discourses.

Matthew Ellis (Honours) (awarded First Class, December 2011) – Emergency Management Professionalism in NSW, Australia.

Blake Edwick (Honours) (awarded First Class, August 2011) – Understanding the role of experience and place in residents’ perception of sea level rise.

Briony Mamo (PhD) (awarded August 2011) – Applications of benthic Foraminifera: biodiversity and biotopes from the Southern Great Barrier Reef and identification of extreme events in the SW Pacific.

Emma Calgaro (PhD) (awarded December 2010) – Building resilient tourism destination futures in a world of uncertainty. Assessing destination vulnerability in Khao Lak, Patong and Phi Phi Don, Thailand to the 2004 tsunami.

Lau An Yi Annie (MPhil) (awarded September 2010) – Comparing historical and geological records of catastrophic wash over events at Qing’Ao, Nan’Ao Island, SE China.

Deanne Bird (PhD) (awarded July 2010) – Social dimensions of volcanic hazards, risk and emergency response procedures in southern Iceland.

Carolina Roman (PhD) (awarded June 2010) – On being adaptable: transformative lessons on adaptation through problem-orientation. A case of the tourism sector in Alpine Shire, Victoria, Australia.

* NOTE: Dr Roman’s PhD thesis was awarded the US Society of Policy Scientists’ “2010 Harold D. Lasswell Prize” for “*exemplary work in the policy sciences*”. This was the first time this prize had been awarded to a PhD candidate for their work AND also the first time awarded to someone outside the United States.

Filippo Dall’Osso (PhD) (awarded May 2010) – Coastal flood vulnerability assessment with geomatic methods: test sites of western Thailand, Sydney (Australia) and Aeolian Islands (South Tyrrhenian Sea, Italy).

Jessica Mercer (PhD) (awarded September 2009) – Community vulnerability and indigenous coping strategies for natural hazards.

Kirstie Méheux (PhD) (awarded September 2008) – Community participation in the disaster damage assessment process.

Maria Papathoma (PhD) (awarded November 2003) – Coastal Tsunami Vulnerability Assessment Using a Geographic Information System with Special Reference to Greece.

Despina Minos-Minopoulos (MSc Research) (awarded November 2001) – The Santorini Volcano: A Future Eruption – A Potential Disaster.

Current higher degree research students at The University of Sydney

Leilani Craig (MPhil) (began March 2019 and expected to be complete by March 2021) – Exploring Deaf Organisations’ capacities to support Deaf Communities prepare for and respond to natural hazards and their associated disasters.

Sonny Patel (PhD) (began August 2020 and expected to be completed by December 2023) – People with disabilities and disaster risk reduction: a study of emergency management service. This project is co-supervised by Associate Professor Michelle Villeneuve, Centre for Disability Research and Policy, Faculty of Medicine and Health.

MAJOR CONFERENCE PRESENTATIONS

Reverse chronological order

2019

Dominey-Howes D. & Norris JM. AMR and prescriber behaviour. The Global Health Security Conference, Sydney, Australia, 18 – 20th June, 2019.

Norris JM, Zhuo A, Govendir M, Rowbotham S, Labbate M, Degeling C, Gilbert GL, **Dominey-Howes D.** & Ward MP. Factors influencing antibiotic prescribing behaviours of veterinarians in Australia – comparative study of small companion animal, equine and livestock veterinarians. The Global Health Security Conference, Sydney, Australia, 18 – 20th June, 2019.

2018

Dominey-Howes, D. Turning adversity to opportunity - people with disabilities in disasters. **Invited to give Keynote Presentation** (all expenses paid). Dive In: The Festival for Diversity and Inclusion in Insurance, Sydney, Australia, 25th September 2018. <https://diveinfestival.com/events/finding-opportunity-through-adversity/>

Dominey-Howes, D. On the experiences, needs and capabilities of LGBT people in disasters. **Invited to give Keynote Lecture** (all expenses paid). International Disaster in Disaster Conference, Melbourne, Australia, 8th May 2018.

2016

Dominey-Howes, D. On the importance of disaster nomenclature. **Invited to give Keynote Lecture** (all expenses paid). National Workshop: “Disaster Recovery: Embracing the complexity”. Workshop organised by UNSW Innovations & the School of Business, Canberra, Australia, 8th March, 2016.

2015

Dominey-Howes, D. Queering disasters: on the need to account for LGBTIQ experiences in natural disasters. **Invited to give Keynote Lecture** (all expenses paid). The Australian Federal Workshop Series on Gender and Disaster Melbourne, Australia, 28th October, 2015.

Dominey-Howes, D. & Labbate, M. Rebranding antibiotic resistance as a disaster risk problem – a necessary step towards integrated health risk management. The Global Risk Forum Davos, One Health Conference, Davos, Switzerland, 1 – 4th October, 2015.

Dominey-Howes, D. Antimicrobial resistance as a disaster risk problem – insights from an insiders perspective. **Invited to give Keynote Lecture** (all expenses paid). The Australian Society of Microbiology, Annual Conference, Canberra, Australia, 12 – 15th July, 2015.

Dall’Osso, F. & **Dominey-Howes, D.** Will sea level rise affect the risk of extreme inundation in Sydney? The Institute of Australian Geographers Conference, Canberra, Australia, 2 – 5th July 2015.

Ellis, M. & **Dominey-Howes, D.** The Australian Emergency Manager and their geographic connection to community resilience. The Institute of Australian Geographers Conference, Canberra, Australia, 2 – 5th July 2015.

English, S., **Dominey-Howes, D.** & Burns, B. Cultural considerations in natural hazard risk perception. The Institute of Australian Geographers Conference, Canberra, Australia, 2 – 5th July 2015.

McKinnon, S., **Dominey-Howes, D.** & Gorman-Murray, A. Masculinity, sexuality and disaster: exploring LGBTI experiences of the Brisbane floods in 2011. The Institute of Australian Geographers Conference, Canberra, Australia, 2 – 5th July 2015.

2014

Dominey-Howes, D. & Eriksen, C. Introducing the new IAG Study Group on Hazards, Risks and Disasters. The Institute of Australian Geographers Conference, Melbourne, Australia, 2 – 5th July 2014.

English, S., Burns, B. & **Dominey-Howes, D.** Natural Hazard Risk Perception and Place Attachment: a universal human driver? The Institute of Australian Geographers Conference, Melbourne, Australia, 2 – 5th July 2014.

Fitzgerald, T., English, S., Dall’Osso, F. & **Dominey-Howes, D.** A flood of information? The challenges of natural hazard research. The Institute of Australian Geographers Conference, Melbourne, Australia, 2 – 5th July 2014.

Dominey-Howes, D. Why antibiotic resistance should be framed as a disaster risk problem. **Invited to give closing Keynote Lecture** (all expenses paid). The Australian and New Zealand Disaster and Emergency Management Conference, Gold Coast, Australia, 5th – 7th May, 2014.

2013

Brander, R., **Dominey-Howes, D.**, Drozdowski, D., Shaw, W., Roberts, A. & Sherker, S. Experiences of swimmers caught in rip currents. World Conference on Drowning Prevention 2013, Potsdam, Germany, October 2013.

Dall’Osso, F., Summerhays, S., Withycombe, G., Moore, C. & **Dominey-Howes, D.** Sydney’s first probabilistic multi-hazard assessment of extreme coastal inundation. Presentation given at the 2013 NSW Coastal Conference, Port Macquarie, NSW, November, 2013.

Dominey-Howes, D., *et al.* Invisible histories – on the need to explore LGBTI experiences of natural disasters. Presentation given at the Australian Homosexual Histories Annual Conference, Melbourne, November, 2013.

Dominey-Howes, D., *et al.* The Call for a new Australian geography of disaster. Presentation given at the Institute of Australian Geographers Annual Conference, Perth, July, 2013.

Dominey-Howes, D. Resilience to natural hazards and disasters – insights from research with Australian minority communities. **Invited** presentation given at the Workshop “Sharing responsibility for implementing the National Strategy for Disaster Reduction”, Sydney, March 13th 2013.

Gorman-Murray, A., Morris, S. and **Dominey-Howes, D.** Exploring emotional geographies of LGBTI responses to natural disasters: examples from the 2011 Queensland floods. Presentation to be given at the Royal Geographical Society (with Institute of British Geographers) Annual International Conference, London, UK, 28th – 30th August 2013.

Gorman-Murray, A., Keppel, J., Morris, S. and **Dominey-Howes, D.** The LGBTI community in the 2011 Queensland disasters: marginality, vulnerability and resilience. Presentation to be given at the Institute of Australian Geographers Annual Conference, Perth, July, 2013.

Rebane, M., **Dominey-Howes, D.**, Jarrett, T., Richards, A., Calgaro, E., Matairavula, K. and Allen, C. Enhancing community empowerment, ownership, and resilience to natural hazards in the Deaf Community of New South Wales (NSW). Presentation to be given at the 2013 Australian Fire and Emergency Service Authorities (AFAC) and CRC Bushfire Conference, Melbourne, Australia, 2nd – 5th September 2013.

Minos-Minopoulos, D., Pavlopoulos, K., **Dominey-Howes, D.** & Lekkas, E. Early Christian Basilica archaeological site, Lechaion, Corinth, Greece: preliminary results on ground deformation structures. Presentation to be given at the 13th International Congress of the Geological Society of Greece, Crete, Greece, 5 – 8th September 2013.

2012

Dominey-Howes, D. Collapse of the Late Bronze Age civilisation, Greece: the role of natural hazard events. Presentation given at the 34th International Geological Congress, Brisbane, Australia, 5 – 10th August 2012.

Dominey-Howes, D. On the gulf between effective tsunami early warning and meaningful tsunami disaster risk reduction. Australian Meteorological and Oceanographic Society (AMOS), AMOS Annual Conference, 2012, Sydney, Australia, January 31 – February 4, 2012.

Dominey-Howes, D., Brander, R., Drozdowski, D., Shaw, W. & Sherker, S. Interviews with rip survivors: mainstreaming explanations for being caught in rips. The 2nd International Rip Symposium Conference 2012, Sydney, Australia, October 31 – 2 November, 2012.

Brander, R., Drozdowski, D., **Dominey-Howes, D.**, Turner, I., Shaw, W., McCarroll, R., Moraza, M., Goff, J. & Sherker, S. The RIPS SAFE Project – A Holistic Approach to Understanding the Rip Current Hazard. The Australian Water Safety Conference 2012, Sydney, Australia, June 4-5, 2012.

Cope, J., Chagué-Goff, C., Mooney, S., Goff, J., Zawadzki, A., Wong, H., Kilroy, C., Jacobsen, G. and **Dominey-Howes, D.** Holocene record of gradual, catastrophic and human influenced environmental change at Moawhitu wetland, D'Urville Island, New Zealand. Australian Meteorological and Oceanographic Society (AMOS), AMOS Annual Conference, 2012, Sydney, Australia, January 31 – February 4, 2012.

Dunbar, P. & **Dominey-Howes, D.** Tsunami data supports forecast, warning, modelling and hazard assessment. Presentation to be given at the American Geophysical Union, Science Policy Conference, Washington DC, USA, April 30 – May 3rd 2012.

2011

Alam, E., **Dominey-Howes, D.**, Goff, J. & Chagué-Goff, C. Tsunamis in the Bay of Bengal, Indian Ocean. XXV IUGG General Assembly - Earth on the Edge: Science for a Sustainable Planet, Melbourne, Australia, June 28-July 7.

Chagué-Goff, C., Goff, J., Dudley, W., Zawadzki, A., Bennett, J., Heijnis, H., Nichol, S., Mooney, S., Courtney, C., Strotz, L. & **Dominey-Howes, D.** Multi-proxy analysis of an enigmatic sand layer in Pololu Valley, Hawaii: tsunami or storm deposit? Geophysical Research Abstracts, 13, EGU2011-1476.

Courtney, C., **Dominey-Howes, D.**, Chagué-Goff, C., Tarbotton, C. & Goff, J. 2011. [Reinterpretation of Megatsunami Inundation in Southeast Australia and the Implications for Palaeotsunami Identification](#). XXV IUGG General Assembly - Earth on the Edge: Science for a Sustainable Planet, Melbourne, Australia, June 28-July 7.

Drozdowski, D., Shaw, W., Brander, R., Goff, J., **Dominey-Howes, D.** & Sherker, S. (2011). Reducing rip current drownings: lessons from interviews with rip current survivors. World Conference on Drowning Prevention 2011, Danang, Vietnam. May 10-13.

Goff, J., **Dominey-Howes, D.** & Chagué-Goff, C. Palaeotsunami magnitude, frequency and source (PMFS) modelling – progress in small steps. XXV IUGG General Assembly - Earth on the Edge: Science for a Sustainable Planet, Melbourne, Australia, June 28-July 7.

Goff, J., **Dominey-Howes, D.** & Chagué-Goff, C. Palaeotsunamis in the Pacific Ocean – what is the tsunami hazard for Pacific Island Countries? XVIII. INQUA-Congress. Quaternary sciences – the view from the mountains, Bern, Switzerland, July 20-27.

Goff, J., Chagué-Goff, C. & **Dominey-Howes, D.** Tracking the extent of the Kuwae tsunami. *Geophysical Research Abstracts*, Vol. 13, EGU2011-85

Goff, J., Chagué-Goff, C. & **Dominey-Howes, D.** Futuna: Small island, big story. Opening up the palaeotsunami record of the Pacific. XXV IUGG General Assembly - Earth on the Edge: Science for a Sustainable Planet, Melbourne, Australia, June 28-July 7.

Goff, J., Chagué-Goff, C. & **Dominey-Howes, D.** The two largest regional palaeotsunamis in the SW Pacific over the last Millennium? XVIII. INQUA-Congress. Quaternary sciences – the view from the mountains, Bern, Switzerland, July 20-27.

2010

Dominey-Howes, D. Preliminary assessment of the impacts and effects of the South Pacific tsunami of September 2009 in Samoa. **Invited Keynote presentation.** Presentation given at the 2010 European Geophysical Union Annual Meeting, Vienna, May 13th 2010. Abstract available at *Geophysical Research Abstracts*, 12, EGU2010-1691.

Dominey-Howes, D. & Goff, J. Using the ‘Coupled Human-Environment Systems Framework’ for exploring issues of hazard and risk: if it’s worth doing – do it properly. **Invited Keynote presentation.** Presentation given at the 2010 Australian Earth Science Convention, Canberra, July 10th 2010.

Dominey-Howes, D., Dall’Osso, F., Gonella, M., Gabbianelli, G. & Withycombe, G. Assessing the vulnerability of buildings to tsunami – an application of the revised Papathoma Tsunami Vulnerability Assessment (PTVA-3) Model in Sydney, Australia. **Invited Keynote presentation.** Presentation given at the 2010 European Geophysical Union Annual Meeting, Vienna, May 13th 2010. Abstract available at *Geophysical Research Abstracts*, 12, EGU2010-9560.

Bird, D., Gisladdottir, G. & **Dominey-Howes, D.** Living in the heart of a volcanic hazard zone and the issues that affect community vulnerability and resilience. Presentation given at the 2010 European Geophysical Union Annual Meeting, Vienna, May 13th 2010. Abstract available at *Geophysical Research Abstracts*, 12, EGU2010-7276.

Goff, J., **Dominey-Howes, D.**, Chagué-Goff, C., Strotz, L., Anning, D., Bird, D., Calgaro, E., Courtney, C., Dall’Osso, F., Gero, A., Mamo, B., Roman, C., Tarbotton, C. & Veland, S. Determining the magnitude, frequency and source of prehistoric events - Is there a Holy Grail? Presentation given at the 2010 European Geophysical Union Annual Meeting, Vienna, May 13th 2010. Abstract available at *Geophysical Research Abstracts*, 12, EGU2010-2275.

Dominey-Howes, D., Alam, E., Anning, D., Bird, D., Calgaro, E., Chagué-Goff, C., Courtney, C., Dall’Osso, F., Jardine-Coom, L., Gero, A., Méheux, K., Mamo, B., Roman, C., Strotz, L., Tarbotton, C., Veland, S. & Goff, J. Using the ‘Coupled Human-Environment Systems Framework’ for exploring issues of hazard and risk. Presentation given at the 2010 International Geographic Union, Regional Conference, Tel Aviv, Israel, July 10th, 2010.

Courtney, C., **Dominey-Howes, D.**, Goff, J., Chagué-Goff, C. & Strotz, L. Testing the Australian Megatsunami Hypothesis. Presentation given at the 2010 European Geophysical Union Annual Meeting, Vienna, May 13th 2010. Abstract available at *Geophysical Research Abstracts*, 12, EGU2010-3853.

Courtney, C., **Dominey-Howes, D.**, Goff, J., Chagué-Goff, C. & Strotz, L. Testing the Australian Megatsunami Hypothesis. Presentation given at the 2010 International Geographic Union, Regional Conference, Tel Aviv, Israel, July 10th, 2010.

2009

Dominey-Howes, D. Preliminary assessment of the impacts and effects of the South Pacific tsunami of September 2009 in Samoa. *EOS Trans. AGU 90* (52), Fall Meet. Suppl., Abstract U23F-03

Dominey-Howes, D. & Goff, J. “Hello, HELLO!” – anyone there? – on the need to assess the tsunami risk to global submarine telecommunications infrastructure. *EOS Trans. AGU 90* (52), Fall Meet. Suppl., Abstract NH34B-04

Dominey-Howes, D. & Goff, J. Learning to read the landscape – combining indigenous knowledge with western geomorphology to understand landscape evolution. 7th International Conference on Geomorphology, Melbourne, Australia, July 6-11.

Dominey-Howes, D., Bird, D. & Dall’Osso, F. Integrating social and engineering data for exploring tsunami risk – a case study from Sydney, Australia. Conference paper to be given at the AOGS Conference, Singapore, August 2009.

Dominey-Howes, D., Thaman, R., Weber, E., Prasetya, G., Reese, S., Richmond, B., & Goff, J. The 2009 UNESCO ITST Samoa survey – an outline. AGU Fall Meeting, San Francisco. 14-18 December 2009.

Anning, D, Bird, D., Calgareo, E., Chagué-Goff, C., Courtney, C., Dall’Osso, F., Gero, A., Mamo, B., Roman, C., Strotz, L., Veland, S., Goff, J. & **Dominey-Howes, D.** Using the coupled ‘human-environment systems framework’ for exploring issues of hazard and risk? Abstract. Institute of Australian Geographers Conference 2009, Cairns, September 28 – October 1.

Courtney, C., Goff, J., **Dominey-Howes, D.**, Chagué-Goff, C. & Strotz, L. Megatsunami myth and reality revisited: An exercise in geomorphology. 7th International Conference on Geomorphology, Melbourne, Australia, July 6-11.

Etienne S., Goff, J., Chagué-Goff C., Strotz L., **Dominey-Howes D.**, Richmond B., Buckley M., Wilson K. & Sale M. Cartographie des impacts géomorphologiques du tsunami du 29 Septembre 2009 aux Iles Samoa. Aspects méthodologiques. Séminaire GEPASUD, Université de la Polynésie Française, Tahiti. 12 November 2009.

Etienne S., Richmond B., Buckley M., Goff, J., **Dominey-Howes D.**, Chagué-Goff C., Strotz L., Wilson K. & Sale M. Cartographie des impacts géomorphologiques du tsunami du 29 Septembre 2009 aux Iles Samoa. Aspects méthodologiques. Séminaire GEOLAB, Université de Clermont-Ferrand, France. 5 December 2009.

Goff, J. & **Dominey-Howes, D.** Invited talk. Tsunami geomorphology in the 21st and 15th centuries. 7th International Conference on Geomorphology, Melbourne, Australia, July 6-11.

Goff, J., Chague-Goff, C. & **Dominey-Howes, D.** Palaeotsunami databases: can they be used as palaeo DART buoys for prehistoric events? *EOS Trans. AGU 90* (52), Fall Meet. Suppl., Abstract NH34B-08

Goff, J., Chague-Goff, C., Etienne, S., Lamarche, G., Pelletier, B., Richmond, B., Strotz, L., Buckley, M., Wilson, K., Dudley, W., Urban, G., Sale, M. & **Dominey-Howes, D.** Identifying precursors to the 2009 South Pacific tsunami? *EOS Trans. AGU 90* (52), Fall Meet. Suppl., Abstract U24A-02.

Kong, L., Steffen, J., **Dominey-Howes, D.**, Biukoto, L., Titimaes, A., Thaman, R. & Vaa, R. A new approach to UNESCO-IOC post-tsunami field surveys. *EOS Trans. AGU 90* (52), Fall Meet. Suppl., Abstract U23-01

Mamo, B., Strotz, L. & **Dominey-Howes, D.** Tsunami sediments and their foraminiferal assemblages. *EOS Trans. AGU 90* (52), Fall Meet. Suppl., Abstract NH31-1110

McAdoo, B.G., Goff, J., Fritz, H.M., **Dominey-Howes, D.**, Cochard, R., Kong, L. & Titov, V. The Tsunami Project: Interdisciplinary approaches to post-tsunami Surveys. GSA Annual Meeting, Portland, Oregon, 18-21 October. Abstract 164-8.

Veland, S., Strotz, L., Roman, C., Mamo, B., Gero, A., Dall'Osso, F., Courtney, C., Chagué-Goff, C., Calgaro, E., Bird, D., Anning, D., **Dominey-Howes, D.** & Goff, J. Coupled human-environment systems in prehistory? Institute of Australian Geographers Conference 2009, Cairns, September 28 – October 1.

2008

Dominey-Howes, D. *“Human volcanology” – people and the coupled human-environment system. Implications for volcanic risk management.* Presentation to be given at the IAVCEI General Assembly, Iceland, August 18 – 25, 2008.

Dominey-Howes, D. *Tsunami risk in Australia.* **Invited to give keynote** paper at the 2008 Australian Meteorological and Ocean Sciences Convention, Melbourne, Australia, February 2008.

Anning, D., **Dominey-Howes, D.** & Withycombe, G. What Price Climate Change? – Valuing Sydney Beaches to Inform Coastal Management Decisions. Conference paper at the *Coastal Cities Summit 2008 – Values and Vulnerabilities*, St Petersburg, Florida. 17-20th November 2008.

Anning, D., **Dominey-Howes, D.** & Withycombe, G. Using Surf Cameras to Predict Future Beach Visitation. Conference paper at the *17th NSW Coastal Conference: Innovation in the Coastal Zone*. Wollongong, 4-7 November 2008.

Anning, D., **Dominey-Howes, D.** & Withycombe, G. Valuing Sydney beaches to inform coastal management decisions related to projected sea-level rise impacts. Conference paper at *Coast to Coast 2008-Coast to Coast Collaboration: Crossing Boundaries*. Darwin, 18-22 August 2008

Bird, D., Gisladdottir, G. & **Dominey-Howes, D.** *Increasing volcanogenic hazard knowledge and perception in the tourist destination of Þórsmörk, Iceland.* Presentation to be given at the IAVCEI General Assembly, Iceland, August 18 – 25, 2008.

Bird, D., Gisladdottir, G. & **Dominey-Howes, D.** *Will tourists positively respond to a jokulhlaup warning if Katla erupts in southern Iceland.* Presentation given at the 2008 European Geophysical Union Annual General Meeting, Vienna, April, 2008.

2007

Dominey-Howes, D. *Records of Australian tsunami.* Presentation given at the 2007 XVII INQUA Congress, Cairns, Australia, 29th July 2007.

Dominey-Howes, D. *Preliminary catalogue of Australian tsunami.* *Geophysical Research Abstracts* Vol. 9, 03171, 2007. Presentation given at the 2007 European Geophysical Union Annual Meeting, Vienna, April 13th 2007. Abstract available at: <http://www.cosis.net/abstracts/EGU2007/03171/EGU2007-J-03171.pdf?PHPSESSID=c82c1cd98a09659a357a79881dc74ff2>

Dominey-Howes, D. Dunbar, P., Varner, J. & Papathoma-Köhle, M. *Assessing tsunami vulnerability: a pilot study in Seaside, Oregon, USA.* Presentation given at the 2007 European Geophysical Union Annual Meeting, Vienna, April 13th 2007. Abstract available at: <http://www.cosis.net/abstracts/EGU2007/11517/EGU2007-J-11517.pdf?PHPSESSID=c82c1cd98a09659a357a79881dc74ff2>

Anning, D. **Dominey-Howes, D.** & Withycombe, G. *What price climate change? – valuing Sydney beaches to inform coastal management decisions.* Presentation given at the 16th NSW Coastal Conference, Yamba, NSW, 7 – 9th November 2007.

Bird, D., Gísladóttir, G. & **Dominey-Howes, D.** 2007. *Tourists visiting Þórsörk lack knowledge and awareness of Katla and jökulhlaup hazard*. Oral presentation at Rannsóknir Vegagerðarinnar – Reykjavík, Iceland – November 2007.

Dunbar, P. **Dominey-Howes, D.** & Varner, J. *Seaside, Oregon, Tsunami vulnerability Assessment Pilot Study*. Presentation given at the 2nd Symposium on Policy and Socio-economic Research, January 15 – 18th 2007. The 87th AMS Annual Meeting (San Antonio, TX). Details available at http://ams.confex.com/ams/87ANNUAL/techprogram/paper_121087.htm

2006

Dominey-Howes, D. *Integrating generic capabilities and problem based learning to produce work ready graduates*. Presentation to be given at the Innovative Research Universities Australia, Learning and Teaching Forum, Adelaide, 21 – 22nd September, 2006.

Dominey-Howes, D. *Tsunami risk mitigation and the issue of public awareness*. Presentation given at the 2006 Australian Earth Sciences Convention, Melbourne, Australia, 7th July 2006.

Dominey-Howes, D. & Bird, D. *Tsunami Public Awareness and Its Role in Risk Education*. Presentation given at the Third International Tsunami Symposium, 23rd – 25th May 2006.

Abstract available at: <http://www.sthjourn.org/tsabst/prog.htm>

Dominey-Howes, D. & Papathoma, M. *A Fully Validated Tsunami Vulnerability Assessment Model (the "PTVAM" Model)*. Presentation given at the Third International Tsunami Symposium, 23rd – 25th May 2006.

Abstract available at: <http://www.sthjourn.org/tsabst/prog.htm>

Dominey-Howes, D. *Tsunami and palaeotsunami depositional signatures and their potential value in understanding the Late Holocene tsunami record*. Presentation given at the Third International Tsunami Symposium, 23rd – 25th May 2006. Abstract available at: <http://www.sthjourn.org/tsabst/prog.htm>

Bird, D., Gísladóttir, G. & **Dominey-Howes, D.** *Public perception of jökulhlaup hazard and risk in Iceland – implications for community education*. Presentation at the Environmental Research Event 2006 – Sydney – December 2006.

Bird, D., Roberts, M. & **Dominey-Howes, D.** *Public usage of a website for real-time seismicity in Iceland: insights into hazard perception*. Poster presentation at the Asian Seismological Commission Symposium on Earthquake and Tsunami Disaster Preparedness and Mitigation – Thailand – November 2006.

Bird, D., Roberts, M. & **Dominey-Howes, D.** *Public usage of a website for real-time seismicity in Iceland: insights into hazard perception*. Presentation at the 37th Nordic Seminar on Detection Seismology – Iceland – August 2006.

Dunbar, P. **Dominey-Howes, D.** & Varner, J. *Seaside, Oregon, Tsunami vulnerability Assessment Pilot Study*. Presentation given at the American Geophysical Union Annual Fall Meeting, December 2006. Available at <http://adsabs.harvard.edu/abs/2006AGUFMGC44A..02D>

Helsley, C., Keating, B., **Dominey-Howes, D.** & Waheed, Z. *The impacts of the December 2004 Indian Ocean Tsunami in the Maldiv Islands*. Presentation given at the Third International Tsunami Symposium, 23rd – 25th May 2006. Abstract available at: <http://www.sthjourn.org/tsabst/prog.htm>

2005

Dominey-Howes, D. *Tsunami risk in the SE Asia and western Pacific regions*. **Invited key note paper** given at the 9th Aon Re Hazards Conference, Gold Coast, Australia, 21st – 23rd August 2005.

Dominey-Howes, D. and Keating, B. *Market studies and lessons from the recent tsunami – coping with the impact of the loss: the Maldives*. **Invited key note paper** given at the 4th Aon Catastrophe Conference, Manila, Philippines, 27th – 28th June 2005.

Dominey-Howes, D. *Measuring the costs (impacts) of natural hazard events on the “goods and services” of coastal landscapes*. Presentation given at the Planning for natural hazards – how can we mitigate the impacts? Conference, Wollongong, Australia, 2nd – 5th February 2005.

2002

Dominey-Howes, D. *The Late Minoan Tsunami in the eastern Mediterranean: new data to test old models*. Presentation given at the 2nd International Tsunami Society Tsunami Symposium, Hawaii, USA, 25th – 28th May 2002.

Dominey-Howes, D. *The Late Minoan Tsunami in the eastern Mediterranean: a re-examination*. Presentation given at the VMSG Annual Conference, University College, London, United Kingdom, 3rd – 4th January 2002.

Papathoma, M. & **Dominey-Howes, D.** *Assessing Tsunami Vulnerability in Greece*. Presentation given at the 2nd International Tsunami Society Tsunami Symposium, Hawaii, USA, 25th – 28th May 2002.

2001

Tooley, M.J., Bailiff, I., **Dominey-Howes, D.**, Cundy, A.B., Zong, Y., Islam, Md., S. & Chakrabati, P. *Storm Surge Signatures*. Presentation given at the EURESCO Conference: Glacial – Interglacial Sea-level Changes in Four Dimensions: Sea Surface Changes and Coastal Flood Hazards in Europe, St. Andrews, United Kingdom, 31st March – 4th April 2001.

2000 & Earlier

Tooley, M.J. & **Dominey-Howes, D.** 2000. *Coastal and Sea-Level Changes, Storms and Floods*. Presentation given at the International Conference: Disaster: Issues and Gender Perspectives, Dhaka, Bangladesh, 23-24th June 2000.

Dominey-Howes, D. 1999. *Geological Observations of Tsunamis*. Presentation given at the IUGG/IAPSO Meeting (Session: JSS42 – Tsunami: Observations, Modelling and Hazard Reduction), Birmingham, UK, July 1999.

Dominey-Howes, D. 1999. *Long-term Tsunami Hazard Reduction – A New Methodology*. Presentation given at the IUGG/IAPSO Meeting (Session: JSS42 – Tsunami: Observations, Modelling and Hazard Reduction), Birmingham, UK, July 1999.

Dominey-Howes, D. 1999. *Geological and Historical Records of Tsunami: The Importance of Data Integration with Reference to some Tsunamis in Greece*. Presentation given at The Tsunami Society Tsunami Symposium, Hawaii, USA, 25th – 27th May 1999.

Dominey-Howes, D. 1999. *Foraminifera as a Tool for Palaeoenvironmental Reconstruction*. **Invited keynote lecture** given at the International Quaternary Training Workshop, Calcutta, India, 4th – 9th January 1999.

Monaghan, J.J., **Dominey-Howes, D.**, Kos, A. & Zangger, E. 1999. *Preliminary Findings of Possible Tsunami-deposited Sediments at Malia Marsh, north Crete, Greece*. Presentation given at the XV INQUA (Commission on Neotectonics) Meeting (Session 9 – Extreme Events in the Quaternary Record), Durban, South Africa, August 1999.

Dominey-Howes, D. 1998. *Investigations of Recent, Historical and Palaeohistoric Tsunamis in Greece*. **Invited keynote lecture** given at the International Conference/Scientific Workshop on Tsunamis, Okushiri, Japan, 9th – 13th July 1998.

Monaghan, J.J., **Dominey-Howes, D.**, Kos, A. & Zangger, E. 1998. *Tsunami Waves on Crete: Preliminary Evidence from a Multidisciplinary Study*. Presentation given at the European Union/Laboratoire de Geophysique and UNESCO Sponsored International Tsunami Workshop. Paris (France), May 25th – 27th 1998.

Dominey-Howes, D. 1997. *Late Holocene Coastal Tectonics, western Crete: New Data to Test Old Models*. Presentation given at INQUA Late Quaternary Coastal Tectonics Conference, London – June 18-19th 1997.

Blythe, C.D., O'Sullivan, A., Healy, M.G., **Dominey-Howes, D.**, Wells, J.M., O'Driscoll, A. & Devoy, R.J.N. 1997. *Coastal Evolution, Palaeoenvironmental Change and Intertidal Archaeology in the Shannon Estuary: Some Initial Results*. Presentation given at European Union Science Foundation Research Conference. Blarney Island, Eire – March 1997.

Blythe, C.D., O'Sullivan, A., Healy, M.G., **Dominey-Howes, D.** & Wells, J.M. 1997. *Palaeoenvironments and Archaeology at Carrigedirty Rock, Co. Limerick*. Presentation given at the 7th Irish Environmental Research Colloquium. Dublin, Eire – January 1997.

Dominey-Howes, D. 1996. *Some Preliminary Remarks on Tsunami Deposited Sediments in the Aegean Sea Region, Greece*. Presentation given at the 21st General Assembly of the European Geophysical Society. The Hague, Netherlands – 6-10th May 1996.

Hindson, R.A., **Dominey-Howes, D.**, Dawson, S., Shi, S & Andrade, C. 1996. *Lithostratigraphic and Biostratigraphic Records of Tsunami Sedimentation*. Presentation given at the 21st General Assembly of the European Geophysical Society. The Hague, Netherlands – 6-10th May 1996.

Dawson, A.G., Smith, D.E., Hindson, R.A., **Dominey-Howes, D.**, Dawson, S., Shi, S., Ruffman, A., Tuttle, T., Anderson, T. & Andrade, C. 1996. *Linking Palaeotsunami Records to Source Mechanisms*. Presentation given at the 21st General Assembly of the European Geophysical Society. The Hague, Netherlands – 6-10th May 1996.

Dawson, A.G., Hindson, R.A. & **Howes, D.** 1994. *Geological Evidence for Quaternary Tsunamis in the Mediterranean*. Presentation given at the conference: Methods and Models for Rapid Coastal Change. International Geographical Union, Commission on Coastal Systems. Crete – 9-15th April 1994.

PART TWO - TEACHING EXPERIENCE

Awards for Excellence in Teaching & High Student Evaluation

University Outstanding Teachers Award 2005 – Macquarie University

Excellence in Education Award 2005 - Macquarie University

I am consistently evaluated as “superior”, “excellent”, “the best”, “highly motivating” etc by students in the classes I teach. Testimonials and examples of student praise and evaluation available on request.

Teaching Development Grants & Commercial Prize Sponsorship

AUS\$19,160 – December 2003. An investigation of the needs and expectations of employers for generic capabilities of graduates from the Division of Environmental and Life Sciences. Principal Investigator in collaboration with Dr Anna Lyth, Graduate School of the Environment. Macquarie University Strategic Curriculum Innovation Grants, Macquarie University.

The Aon Re Australia Ltd “Natural Hazards Prize”

2005 – negotiated the first ever commercial sponsorship of the Aon Re Australia Ltd “GEOS237 Natural Hazards Prize” for Macquarie University. This prize is worth \$1000 per year and continues to be awarded to the highest performing student in this class.

Teaching Experience & Responsibilities

University of Sydney (2013 - present)

Honours Program Coordinator (2017 onwards)

GEOS1001 Earth, Environment & Society (Lecturer)

GEOS1002 Introductory Geography (Lecturer) (2020 onwards)

GEOS2111 Natural Hazards (Convenor and Lecturer) (2013 – 2020)

GEOS2111 Natural Hazards, Climate Change & Disaster Management (Convenor and Lecturer) (2021 onwards)

GEOS2115 Oceans, Coasts & Climate Change (Lecturer)

GEOS3009 Coastal Environments & Processes (Lecturer)

GEOS3514 Global Development and Livelihoods (Lecturer)

GEOS3520 Urban Citizenship & Sustainability (Lecturer)

GEOS4111 Advanced Research in Geography (Convenor and Lecturer) (2019 onwards)

MARS5004 Coastal Management (Lecturer) (2020 onwards)

University of New South Wales (2007 – 2013)

ENVS2030 Urban Environments (Lecturer)

GEOS1121 Earth System Processes (Lecturer)

GENS8001 Risk Perception and Reality (Lecturer)

GEOS1601 Introduction to Human Geography (Lecturer)

GEOS2641 Australian Social and Cultural Geographies (Lecturer)

GEOS3500 Geographies of Migration (Lecturer)

GEOS 3750 Geographies of the Asia – Pacific (Lecturer)

GEOS3261 Natural Hazards and their Management (Convenor and Lecturer)

MSC1501 The Marine Environment (Lecturer)

SESC2580 Risk Management 2 (Lecturer)

SESC9301 Safety, Health and Environmental Risks (Convenor and Lecturer)

SESC9281 Issues and Trends in Emergency Management (Convenor and Lecturer)

Macquarie University (2003 – 2007)

AHST210 Archaeology and Society (Lecturer)
GEOS112 Planet Earth (Lecturer)
GEOS114 Foundations for Resource and Environmental Management (Lecturer)
GEOS237 Natural Hazards (Convenor and Lecturer)
GEOS264 Geographic Information Systems (Lecturer)
GEOS266 Earth Surface Processes (Lecturer)
GEOS317 Advanced Geomorphology (Lecturer)
GEOS328 Environmental Management (Convenor and Lecturer)
GEOS389(A) Special Interest Seminar (Convenor and Lecturer)
GEOS389(B) New Zealand Field Course (Convenor and Leader)
ELS301 Environmental Research Project (Lecturer / Supervisor)

Kingston University, London (2000 – 2002)

CO1011A IT Skills in Science (Lecturer)
GG1111B Environmental Systems: Process and Change (Lecturer)
GG1120B Environmental Systems: Patterns and Applications (Lecturer)
GL1012A Dynamic Earth (Lecturer)
GL1020B Natural Hazards, Resources and Environment (Lecturer)
GG2443B Geomorphology (Lecturer)
GG2060B Methods of Geographic Investigation (Lecturer)
GG2530B Advanced Environmental Techniques (Lecturer)
GG3740B Applied Geomorphology (Lecturer)
GG3800B Global Environmental Issues (Lecturer)
GG3530B Fieldwork Preparation (Lecturer)
GG3830A Perspectives in Geography (Lecturer)
GGM102 Changing Global Environments – MSc module (Lecturer)
GGM103 Geohazards – MSc module (Module Leader and Lecturer)

Coventry University, UK (1996 – 2000)

Division of Disaster Management (Coventry University)

106DST Communications and Information Technologies (Module Leader and Lecturer)
111DST Applied Geology and Geohazards (earth surface processes) (Lecturer and Field Course Leader)
112DST Field Operations and Incident Management (Lecturer and Field Course Leader)
206DST Information Technologies in Disaster Relief (Module Leader and Lecturer)
211DST Natural Hazards I (Module Leader and Lecturer)
291FIR Disaster Management II (Lecturer)
311DST Natural Hazards II (Module Leader, Lecturer and Field Course Leader)
MO1DST Research Methods – MSc module (Lecturer)

Division of Geography (Coventry University)

101GEO Global Patterns in the Physical Environment (Demonstrator)
103GEO Earth and Life through Time (Demonstrator)
106GEO Research Methods and Techniques in Geography (Demonstrator)
107GEO Field Course – Physical Geography (Demonstrator)
201GEO Hydrology and Oceanography (Demonstrator)
206GEO Research Methods in Physical Geography (Demonstrator)

CURRICULUM DEVELOPMENT, TEACHING INNOVATION, SHORT COURSES

Curriculum development at the University of Sydney (2013 - 2021)

- On appointment at The University of Sydney in 2013, I developed one whole new unit of study (GEOS2111) and new material within existing units (GEOS1002, 2115, 3009, 3514 & 3520) across the undergraduate curricular in Geography and Geology:

GEOS2111 – Natural Hazards. I developed this intermediate level unit of study in full including 26 new lectures, associated tutorials and lab and computer-based practicals and all assessment tasks and on-line materials.

In 2020-2021, I completed revised this unit into a new form – GEOS2111 Natural Hazards, Climate Change and Disaster Management to better reflect contemporary hazard and disaster related issues in Australia. This included complete modularisation of the unit, movement to fully online mode, and development of new lab and virtual field-based activities, tutorials and assessment types.

Curriculum development at the University of Sydney (2013)

- I developed one whole new unit of study (GEOS2111) and new material within existing units (GEOS1002, 2115, 3009, 3514 & 3520) across the undergraduate curricular in Geography and Geology at the University of Sydney:

GEOS2111 – Natural Hazards. I developed this intermediate level unit of study in full including 26 new lectures, associated tutorials and lab and computer-based practicals and all assessment tasks and on-line materials.

Curriculum development at University of New South Wales (2007 – 2013)

- I developed one whole new course and a new module within an existing course in Risk and Safety Sciences and an entirely new course in Earth Sciences at UNSW:

SESC9301 – Safety, Health and Environmental Risks. I developed this course in full, all assessment tasks and on-line WebCT materials and was first offered in 2007. My teaching in this course was highly scored by the students during post-course evaluation.

SESC9281 – Issues and Trends in Emergency Management – Module Four, “*Climate Change and Risk Management*”. This module has been developed by me in 2008 for introduction in an existing course.

GEOS3261 - Natural Hazards and their Management. I developed this new advanced level, field-based course in hazards and their management as an entry level course for Honours and PhD students. The course was first offered in January 2012.

Curriculum development at Macquarie University (2003 – 2007)

- I developed one new full module within the GEOS328 Environmental Management unit at Macquarie University:

GEOS328 – Environmental Management – Module Three, “*Coastal Management*”. This module also saw the introduction of the first field course component and field-based course work assessment within Environmental Management. This module and the fieldwork component have been consistently highly scored by the students in the Unit Evaluation.

Curriculum development at Kingston University (2000 – 2002)

Major Bachelors Programme

As of April 2002, I successfully **conceived, developed** and brought through **external validation** a new BSc (Honours) course entitled: Environmental Hazards and Disaster Management. I was personally responsible for all core **module development**, existing **module re-validation** and **administrative documentation** and **market research** and **advertising**.

New Units

GG2510 – Hazard, Risk and Vulnerability Assessment (Module Leader)

GG2520 – Disaster Studies (Module Leader)

GL2810 – Geoscience Fieldwork (Module Leader)

GG3560 – Catastrophe and Disaster Planning (Module Leader)

GG3570 – Disaster Management (Module Leader)

GG3870 – Disaster Management Research Project (Module Leader)

- I developed two new full modules at Kingston University:

GL1020B – Hazards, Resources and the Environment.

GGM103 – Geohazards (MSc module).

Curriculum development at Coventry University (1996 – 2000)

- I developed four new full modules and one half module for the BSc Disaster Management programmes at Coventry University:

106DST – Communications and Information Technologies.

111DST – Applied Geology and Geohazards.

206DST – Information Technologies in Disaster Studies.

211DST – Natural Hazards I.

311DST – Natural Hazards II.

I also developed specialist short courses in environmental processes, natural hazards and disaster management for Special Study Fellows funded through the British Council.

PART THREE – SERVICE, ADMINISTRATION, MANAGEMENT & OUTREACH

Service to Society

Chairman of United Nations (UNESCO) Global Post-Tsunami Disaster Policy Working Group

Following the September 2009 South Pacific Tsunami disaster, I was appointed by the UNESCO Intergovernmental Oceanographic Commission (IOC) to lead what eventuated as the largest post-tsunami survey team ever deployed by the UN.

The work I led and coordinated was profiled as a special feature by the international journal *Nature*. For further details, please see:

Dominey-Howes, D. (2009). Aftermath of a tsunami. *Nature* (3/11/2009)
doi:10.1038/news.2009.1060)

As a consequence of my successful leadership and innovation in running the International Tsunami Survey Team, I was appointed by the UNESCO-IOC to lead a Global Post-tsunami Disaster Policy and Protocol Revisions Working Group. The Group was convened under me in August 2010 and we complete our work in mid 2014.

Expert Witness to Australian Prime Minister's Science, Engineering & Innovation Council (PMSEIC) Working Group

2005 – invited by the Federal Government of Australia to appear as an 'Expert Witness' to the PMSEIC Working Group on Tsunamis.

Expert Contributor to United Nations (UNISDR) 2015 Global Assessment Report

2013 – invited by the United Nations International Strategy for Disaster Reduction (UNISDR), the European Commission and the Australian Federal Government (AusAID and Geoscience Australia) to participate as an Expert Contributor to a UNISDR Regional Workshop on the Development of Structural Vulnerability Models in support of the 2015 UNISDR Global Assessment Report (GAR 2015). The GAR is the UN flagship publication on disaster risk and is a major instrument that provides evidence on global risk for national governments. Participation was fully funded by the United Nations. The purpose of the workshop I appeared as an Expert Contributor to focused on developing new structural building vulnerability/fragility curves for tsunamis in the Asia-Pacific region – a global first for such an effort.

Advisor to Australian Federal Government - Australian Tsunami Warning System

2005 – ongoing. Invited by the Federal Government of Australia act as a consultant to the development and deployment of the Australian Tsunami Warning System.

Advisor to New South Wales & Tasmania State Emergency Services

2005 – invited by the NSW SES to comment upon and assist in the development of the “*NSW Tsunami Emergency Management State Plan*”. State Emergency Services, Wollongong.

2010 – 2011 – invited by the Tasmania SES to develop a tsunami scenario to test their State tsunami emergency response plan and then evaluate the State emergency response to the scenario.

Member of Editorial Board of *Nature Scientific Reports*

In May 2014 I was appointed to the Editorial Board of the Nature Publishing Group journal, *Nature Scientific Reports*. I have Editorial responsibility for natural hazards under Earth and Environmental Sciences. Journal homepage is at: <http://www.nature.com/srep/index.html>

Member of Editorial Board of *The Anthropocene*

In 2016 I was appointed to the Editorial Board of the journal, *The Anthropocene*. Journal homepage is at: <http://www.journals.elsevier.com/anthropocene/>

Journal Guest Editing & Journal Reviewing

I was ‘Guest Editor’ of the Special Issue of the international refereed journal *Emotion, Space and Society* entitled “Researcher Trauma: dealing with traumatic research content and places”. Please see *Emotion, Space and Society*, 17, (2015).

I was the ‘Guest Editor’ for two Special Issues of the international refereed journal *Pure and Applied Geophysics* entitled “Tsunamis in the World: Volumes I & II”. Please see *Pure and Applied Geophysics*, 170 (2013).

I was invited to be a ‘Guest Editor’ for a Special Issue of the international refereed journal *Earth Science Reviews* entitled “The South Pacific Tsunami 2009”. Please see *Earth Science Reviews*, 107 (2011). This journal has an ISI Impact Factor of 9.665.

I was invited to be a ‘Guest Editor’ for a Special Issue of the international refereed journal *Natural Hazards* entitled “Scientific and Societal Aspects of Natural Hazards”. Please see *Natural Hazards*, 39 (2) (2006).

I am a regular reviewer for a wide range of high ranking/profile international journals.

International Research Council Grant Application Reviewer

I am regularly invited to review research grant applications for donor and funding agencies around the world. In the last three years I have completed reviews for applications submitted to the:

Australian Research Council (Australia), Marsden Fund (New Zealand), Earthquake Commission (New Zealand), European Science Foundation (Europe), Natural and Environmental Research Council (UK), The National Science Foundation (USA), the Kuwaiti Science Foundation (Kuwait), The European Union Science Foundation.

National & International Committee Positions & Service to National Bodies

Australian Academy of Sciences

In 2007, I served as an ‘Invited Member’ of the Australian Academy of Sciences “High Flyers Think Tank on Natural Hazards and Extreme Events” (October 2007).

The outcome of the Think Tank was an Academy Policy Advisory to the Australian Federal Government on future responses to extreme events in Australia. Details available at: <http://www.science.org.au/events/thinktank/thinktank2007/AAS-ThinkTank2007proceedings-web.pdf>

International Geographical Union (IGU)

I was the elected Vice Chair of the IGU, Commission on Hazard and Risk (2008 to 2012).

International Society of the Prevention and Mitigation of Natural Hazards (ISPMNH)

I was the elected Secretary and Treasurer (2000 to 2005) of the International Society for the Prevention and Mitigation of Natural Hazards (ISPMNH).

Geographical Society of New South Wales (GSNSW)

I was an Elected Executive Officer of the GSNSW (2007 - 2011).

Member – Australian National Reference Committee (New South Wales)

In 2007, in recognition of my expertise, I was invited to join the New South Wales, Sydney Coastal Councils Group National Reference Committee on Climate Change and Coastal Vulnerability and Sustainability. I continue to serve on this Reference Committee that makes policy recommendations to Local and State governments in New South Wales – the most populous State of Australia.

Conference Organisation & Conference Session Chair/Convenor

I have regularly convened sessions at international and domestic conferences and/or organised conferences. These include (in reverse chronological order):

- Scientific Advisory Committee and Local Organising Committee for Global Health Security International Conference 2019 (www.ghs2019.com/)
- Co-Convenor of the AAG 2017 Conference, Boston. Sessions on Researcher Trauma and Disability and Disaster.
- Co-Convenor of the AAG 2016 Conference, San Francisco. Session on Researcher Trauma.
- Co-Convenor of the Institute of Australian Geographers 2015, Canberra. Session on Hazards, Risk and Disasters.
- Co-Convenor of the AGU 2015 Fall Conference, San Francisco. Session on Interdisciplinary modelling of societal vulnerability and risk reduction for natural hazards.
- Co-Convenor of the Institute of Australian Geographers 2014, Melbourne. Session on Hazards, Risk and Disasters.
- Co-Convenor of the 2012 AGU Fall Meeting Session: NH005 Assessing the vulnerability of building to tsunami and implications for vertical evacuation. AGU Fall Meeting, San Francisco, 1-8 December 2012.
- Co-Convenor of the 34th International Geological Congress session on Natural Hazards, Risk and Vulnerability. 34th International Geological Congress, Brisbane, Australia, 5 – 10th August 2012.
- Co-Convenor of the 2012 European Geosciences Union (EGU) session NH5.1 entitled New developments in tsunami science and in mitigation of tsunami risk, including early warning. EGU Meeting, Vienna, April 2012.
- Co-Convenor of the AGU (American Geophysical Union), San Francisco. Session on Natural Hazards, Risk and Vulnerability. AGU Fall Meeting, San Francisco, December 2010.
- Convenor of the IGU – Commission on Hazard and Risk 2009, Tel Aviv 2010. Natural Disasters Middle East. July 2010.
- Co-Convenor of the Institute of Australian Geographers 2009, Cairns. Session on Societal Hazards.

- Co-Convenor of the AGU (American Geophysical Union), San Francisco. Session on Natural Hazards, Integrated Tsunami Risk Research. AGU Fall Meeting, San Francisco, December 2009.
- Co-Convenor of the 7th International Conference on Geomorphology, Melbourne 2009. Sessions Chair for Tsunamis and geomorphology. July 2009.
- Chairman of the XVII INQUA Congress, Cairns 2007. Sessions Chair for Palaeotsunami records. July 29th 2007.
- Chairman for the one-day workshop “*Climate change and its implications for the Sydney coastal community*”. Sydney Council. 20th July 2005.
- Member of the Organising Committee for the 2004 Natural Hazards Conference. The conference was entitled, “Natural Hazards in a Changing World”. The conference venue was in Hyderabad, India. 4th – 8th December 2004.
- Member of the Organising Committee for the 2002 Natural Hazards Conference. The conference was entitled, “Natural Hazards in the 21st Century”. The conference venue was in Ankara, Turkey. 8th – 14th September 2002.
- Chairman of the Organising Committee for the Symposium on “*HIV/AIDS and its Impacts on Developing Countries*”. Symposium was jointly organised by the Coventry Centre for Disaster Management (me) and the African Studies Centre, School of International Studies and Law. May 19th 1999.
- Member of the Organising Committee for the 1999 African Studies Association (UK) Biennial Symposium. The symposium was entitled, “*Dimensions of Vulnerability*”. I was Chairman of the technical theme, ‘Disasters’.
- Co-organised and delivered workshop entitled: *Natural Hazards and Disaster Management* for the Division of Geography, Coventry University, 8th July 1998.

Service to the University (my employer)
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Service to the University of Sydney

Additional duties undertaken at the University of Sydney include (reverse chronological order):

LGBTIQA+ Support Officer (June 2019 – present) – School of Geosciences
Associate Head Research (January 2018 – December 2020) – School of Geosciences
Honours Coordinator (January 2017 – present) – School of Geosciences
Associate Dean (Talented Students Program) (January – December 2016) – Faculty of Science
Associate Dean (Scholarships) (July 2013 – December 2016) – Faculty of Science
Member (July 2013 – December 2015) – Faculty of Science Research Committee
Honours Coordinator (January 2017 – present) – School of Geosciences
School Seminar Organiser (January 2016 – present) – School of Geosciences

Service to the University of New South Wales

Additional duties undertaken at UNSW included:

Founding Director & Co-Director (2009 – 2013) - Australia - Pacific Tsunami Research Centre and Natural Hazards Research Laboratory (www.nhrl.unsw.edu.au)

Director, Higher Degree Research (August 2012 – 2013) – School of Biological, Earth and Environmental Sciences
Committee Member (March 2008 – March 2011) – Faculty of Science, Faculty Standing Committee Member
Executive Committee (January 2008 - 2013) – Member of School Senior Management Committee Executive
OHS Committee (July 2007 – December 2008) – Risk Management Group Representative to the School Occupational Health and Safety Committee, School of Risk and Safety Sciences
(Founding) Director – Australia - Pacific Tsunami Research Centre and Natural Hazards Research Laboratory
Member (January 2011 – 2013) – School Higher Degree Committee
Member (January 2011 – 2013) – School Publicity and Marketing Committee

Service to Macquarie University

Additional duties undertaken at Macquarie University included:

Deputy Head of Department (2005 - 2006) – Department of Physical Geography
Project Leader (2003 – 2007) – *Employer needs and expectations of graduate generic skills*, Division of Environmental and Life Sciences
Steering Committee Member (2005 – 2007) – *Generic skills curriculum mapping*, Division of Law
Departmental Representative (2005 – 2007) – to the Divisional Teaching and Learning Committee
Occupational Health and Safety Officer (2003 – 2007) – responsible for all Department, staff and student OH and S issues
Departmental Seminar Series Organiser (2004) – organiser of the annual Departmental Special Seminar Series that includes, identifying, selecting, inviting and hosting guest speakers
Member – Enterprise Agreement Committee (2003) – volunteer member of the 2003 Enterprise Agreement negotiation committee. Specialist sessions negotiated: Classification and Work, Conduct and Performance, Professional Development and Promotion.
HSC Enrichment Programme (April 2003, 2004 and 2005) – volunteer lecturer on the HSC Enrichment Earth Sciences Programme.
Departmental WebCT Officer (2003 – 2007) – responsible for co-ordination of all Departmental on-line unit modifications, staff training and on-line unit budgeting.

Senior Management - Centre Manager, Coventry University

As Projects Manager of the Coventry Centre for Disaster Management, my duties included:

- preparation of the annual (Centre) business plan and annual reports
- provision of interim and final reports for research and consultancy contracts
- preparation of annual budget statements and collation of yearly statistics for research and consultancy projects
- monitoring of project progress against agreed targets (in collaboration with Finance Manager)
- general administrative duties in support of the Centre
- collation and preparation of papers for meetings, to act as meeting Secretary, and distribute agendas and minutes for various meetings and representing the Centre and its staff interests at meetings in other departments and organisations.

2019 Vice Chancellor's Award for Outstanding Contribution for Disability Inclusion

On August 19th 2019, together with my colleague Dr Emma Calgaro, I was jointly awarded the 2019 Vice Chancellor's Award for Outstanding Contribution for Disability Inclusion. The award was in recognition for sustained local, domestic and international leadership in the field of Disability Inclusive Disaster Risk Reduction.

2018 International Best Publication Award, Philippines National Academy of Science

On November 12th 2018, in Manila, The Philippines, together with my PhD student Perla Delos Reyes, we were jointly awarded the 2018 Winner – 2018 International Best Publication Award – awarded by the Philippines National Academy of Science. For a publication: Delos Reyes, P., Bornas, A., Dominey-Howes, D., Pidlaoan, A., Magill, C. & Solidum, R. (2018). A synthesis and review of Quaternary eruptions from Taal Volcano, Southern Luzon, Philippines. *Earth Science Reviews*, 177, 565-588.

2017 Resilient Australia – New South Wales “Highly Commended”

November 2017, together with the University of Sydney Centre for Disability Research and Policy, we achieved a “Highly Commended Recommendation” by the New South Wales Government 2017 Resilient Australia Prize (Business Category) for our project “Disability Inclusive Disaster Preparedness in NSW: enabling community resilience through collaboration”. This project was funded by the National Disaster Resilience Program. Details available at: <https://www.emergency.nsw.gov.au/Pages/emergency-management/Awards/resilient-australia-awards/2017-Resilient-Australia-Awards.aspx>

2016 Resilient Australia – New South Wales State Award Winner

October 2016, together with the Deaf Society of NSW, The NSW SES and the NSW Rural Fire Service, we were awarded the New South Wales Government 2016 Resilient Australia Prize (Community) for our project “Get Ready: a model for Deaf community leadership”. This project was funded by the National Disaster Resilience Program. Details available at: <https://www.emergency.nsw.gov.au/emsector/awards/resilient-australia-awards/2016-nsw-winners.html>

2015 The Disability Industries Innovation Award for Community Leadership

In November 2015, together with the Deaf Society of NSW, The NSW SES and the NSW Rural Fire Service, we were awarded the New South Wales Government 2015 Disability Industries Innovation Award for Community Leadership. Details available at: <https://ndis.nsw.gov.au/2015/11/nsw-disability-sector-awarded/>

2014 Resilient Australia – National/Federal Award Winner

November 2014, I was awarded the Australian Federal Government 2014 Resilient Australia Prize (Local Government Category) for my project “Coastal Vulnerability Assessment to Multiple Inundation Sources (COVERMAR)”. This project was funded by the National Disaster Resilience Program. Details available at: <https://www.emknowledge.gov.au/connect/resilient-australia-awards/>

2014 Resilient Australia – New South Wales State Award Winner

October 2014, I was awarded the New South Wales Government 2014 Resilient Australia Prize (Local Government Category) for my project “Coastal Vulnerability Assessment to Multiple Inundation Sources (COVERMAR)”. This project was funded by the National Disaster Resilience Program. Details available at: <http://www.emergency.nsw.gov.au/content.php/1373.html>

Best of British - Finalist

In March 1999, I was nominated and then selected as a “*Finalist*” as one of the most outstanding young British Research Scientists and participated in a Best of British Showcase (Science, Education and Technology) at the House of Commons, London, March 15th 1999.

Distinguished Visiting Fellowship (2012) – USA National Oceanic and Atmospheric Administration (NOAA)

In 2012, I was awarded a Distinguished Visiting Fellowship by the USA NOAA – World Data Center for Solid Earth Geophysics (Boulder, Colorado). This Distinguished Visiting Fellowship was to help review the United States National Tsunami Hazard Mitigation Program. The Fellowship included ALL travel, accommodation, salary and subsistence costs.

Distinguished Visiting Fellowship (2006) – USA National Oceanic and Atmospheric Administration (NOAA)

In 2006, I was awarded a Distinguished Visiting Fellowship by the USA NOAA – World Data Center for Solid Earth Geophysics (Boulder, Colorado). This Distinguished Visiting Fellowship was to help quality control the global historical tsunami database managed by the World Data Centre. The Fellowship included ALL travel, accommodation, salary and subsistence costs.

Best Conference Presentation Award (2012) – Australian Water Safety Council

In 2012, I was part of a team awarded the “Best Conference Presentation Award” for a paper entitled: “The RipSafe Project – a holistic approach to understanding the rip current hazard” by Brander, R., **Dominey-Howes, D.**, McCarroll, J., Drozdowski, D., Moraza, M., Turner, I., Goff, J., Shaw, W., & Sherker, S. Paper given at the Australian Water Safety Conference, 2012: From Strategy to Action. 4th and 5th June 2012.

Invited Public Lectures

Dominey-Howes, D. (2019). Invited to present in a live public debate entitled: “Choose your own apocalypse!” – my presentation was about heatwaves bringing the world to an end. <https://sydney.edu.au/science/news-and-events/events/choose-your-own-apocalypse.html> I actually won this public debate by audience vote.

Dominey-Howes, D. Invited to present a research seminar. “What does DiDRR look like?” Invitation from The Public Service Research Group, Canberra. All expenses paid. UNSW, ADFA, Canberra. 24th October 2019

Dominey-Howes, D. Invited to present a research workshop. “Researcher trauma” Workshop to train researchers across three Canberra universities to anticipate and cope with researcher trauma. Invitation from The Public Service Research Group, Canberra. All expenses paid. UNSW, ADFA, Canberra. 23rd October 2019

Dominey-Howes, D. (2019). Invited to give a University lecture “Living and practising disability inclusion in the workplace”. Presentation given by invitation as part of the Disability inclusion Week 2019 festival, The University of Sydney, September 27th, 2019.

Dominey-Howes, D. (2019). Invited to give a public lecture “It’s the end of the world as we know it!”. Presentation given by invitation as part of the Raising the Bar 2018 Public Outreach Event, The School of Rural Health, The University of Sydney, August 22nd 2019, Orange, NSW.

Dominey-Howes, D. (2019). Invited to give a public lecture “It’s the end of the world as we know it!”. Presentation given by invitation as part of the Raising the Bar 2018 Public Outreach Event, The School of Rural Health, The University of Sydney, August 29th 2019, Dubbo, NSW.

Dominey-Howes. D. (2018). Invited to give a public lecture “Turning adversity in to an opportunity – Insurance industry event!”. Presentation given by invitation as part of The Dive IN! Australia event, The University of Sydney, September 25th, 2018. <https://www.insurancebusinessmag.com/au/news/breaking-news/dive-in-festival-australia-kicks-off-tomorrow-112011.aspx>

Dominey-Howes. D. (2018). Invited to give a public lecture “It’s the end of the world as we know it!”. Presentation given by invitation as part of the Raising the Bar 2018 Public Outreach Event, The University of Sydney, October 17th 2018. <http://www.rtbevent.com/dale-domineyhowes/>

Dominey-Howes. D. (2016). Invited to give the lecture “Seeing the dark passenger – personal reflections on the trauma of undertaking post-disaster work”. Presentation given by invitation to the Philippine Institute of Volcanology and Seismology, Quezon City, Manila, The Philippines, February 12th 2016.

Dominey-Howes. D. (2015). Invited to give a presentation as part of an expert panel convened to examine “The 2015 Nepal earthquake - one month on” with Oxfam. This distinguished presentation was part of the 2015 University of Sydney, Sydney Ideas program, the University of Sydney, May 25th 2015.

Dominey-Howes. D. (2014). Invited to give a presentation as part of an expert panel convened as part of the 2014 HARN Network Program: “*human and animal relationships in natural disasters*”. This distinguished presentation was part of the 2014 University of Sydney, Sydney IDEAS program, the University of Sydney, April 9th, 2014.

Dominey-Howes. D. (2014). Invited to give a presentation as part of an expert panel: “*Responding to the IPCC Fifth Assessment Report*”. This distinguished presentation was part of the 2014 University of Sydney, Sydney IDEAS program, the University of Sydney, April 2nd, 2014.

Dominey-Howes. D. (2014). Invited to give the lecture: “*Planet Terror: is earth becoming more dangerous?*”. This distinguished lecture to be given as part of the 2014 University of Sydney, Sydney Science Forum, the University of Sydney, March 19th, 2014.

Dominey-Howes. D. (2012). Invited to give the lecture: “*On the gulf between effective tsunami early warning and meaningful tsunami disaster risk reduction*”. Lecture given at the University Colorado, Colorado, USA, March 18th, 2012.

Dominey-Howes. D. (2012). Invited to give the lecture: “*On the gulf between effective tsunami early warning and meaningful tsunami disaster risk reduction*”. Lecture given at Humboldt State University, California, USA, March 21st, 2012.

Dominey-Howes. D. (2011). Invited to give the lecture: “*Tsunami – waves of destruction*”. Lecture given at Coventry University, UK, October 18th, 2011.

Dominey-Howes. D. (2011). Invited to give the lecture: “*Tsunami, disasters and risk management*”. Lecture given at Peter Symonds Sixth Form College, UK, September 15th, 2011.

Dominey-Howes. D. (2011). Invited to give the lecture: “*From ‘source to sink’ – some observations about engagement with stakeholders who might use earth system science data in decision making*”. Lecture given at the National Oceanography Centre, Southampton/University of Southampton, UK, September 19th, 2011.

Dominey-Howes, D. (2010). Invited to give the lecture: “*Death and destruction at the coast – everything you ever wanted to know about tsunamis*” by the Australian Meteorological and Oceanographic Society. Lecture given at Sydney Town Hall, Sydney, 2nd December 2010.

Dominey-Howes, D. (2008). Invited to give the lecture: “*The Australian Tsunami Warning System – Australia and waves of destruction*” by the Royal Society. Lecture given at Sydney University, Sydney, 5th June 2008.

Dominey-Howes, D. (2008). Invited to give the lecture: *“The Australian Tsunami Warning System – protecting Australia from waves of destruction”* by the Linnean Society of Australia. Lecture to be given at The Royal Botanic Gardens, Sydney, 23rd April 2008.

Dominey-Howes, D. (2005). *Tsunami risk in the SE Asia and western Pacific regions*. **Invited key note paper** given at the 9th Aon Re Hazards Conference, Gold Coast, Australia, 21st – 23rd August 2005.

Dominey-Howes, D. & Keating, B. (2005). *Market studies and lessons from the recent tsunami – coping with the impact of the loss: the Maldives*. **Invited key note paper** given at the 4th Aon Catastrophe Conference, Manila, Philippines, 27th – 28th June 2005.

Dominey-Howes, D. (2005). Invited to give the lecture: *The Indian Ocean Tsunami Disaster: Impacts in the Maldives* at Geoscience Australia. 30th March 2005.

Dominey-Howes, D. (2005). Invited to give the lecture: *“Coastal landscapes, tsunami hazards and urban development”* at the Department of Geography, Oxford University, United Kingdom, 19th January 2005.

Dominey-Howes, D. (2005). Invited to give the lecture: *“Re-examining Australian Tsunami”* at the School of Science and the Environment, Coventry University, United Kingdom, 17th January 2005.

Dominey-Howes, D. (2005). Invited to give keynote lecture: *“The eruption of Pompeii”* at the Ancient History Teachers’ Conference 2005, Macquarie University, April 2nd, 2005.

Dominey-Howes, D. (2004). Invited to give keynote lecture: *“The day the world exploded: the end of Pompeii”* at the Macquarie Ancient History Forum, Macquarie University, September 10th 2004.

Dominey-Howes, D. (2004). Invited to give specialist training seminar at the Risk Frontiers Seminar Series session: *“Tsunami – the under-rated hazard”* at the Museum of Sydney, August 26th 2004.

Dominey-Howes, D. (2004). Invited to give keynote lecture: *“Debunking the myth of the Late Bronze Age eruption of Santorini, Greece”* at the Australian National University, Museum of Ancient Cultures. National Archaeology Week Guest Lecture Series, May 20th 2004.

Dominey-Howes, D. (2004). Invited to give keynote lecture: *“The environmental and social impacts of the Late Bronze Age eruption of Santorini, Greece”* at the Macquarie Ancient History Forum, Macquarie University, March 20th 2004.

Dominey-Howes, D. (2003). Invited to give keynote lecture: *“Storms and floods in the 21st century – prospects for Manly”* at The Manly Environment Centre / Manly Art Gallery. National Science Week Guest Lecture Series, May, 2003.

Dominey-Howes, D. (2002). Invited to give keynote lecture: *“Extreme sea levels and floods”* at The Centre for Earth and Environmental Sciences, Trivandrum, Kerela (India). Trivandrum, January 8th, 2002.

Dominey-Howes, D. (2000). Invited to give keynote lecture: *“Introduction to Natural Hazards”* at Catastrophe Reinsurance Seminar, Lloyd’s Training Centre, London. London, July 12th and 13th 2000.

Dominey-Howes, D. (1999). Invited to give keynote lecture: *“Tsunamis, Sedimentation and their Geophysics: A Computational Problem”* at The Earth Process and Simulation Laboratory (EPSILON), Victorian Institute of Earth and Planetary Sciences, Monash University (Australia). Melbourne, June 11th 1999.

Dominey-Howes, D. (1999). Invited to run a training workshop session on the coastal Quaternary of the Bengal Basin entitled: *Foraminifera as a Tool for Palaeoenvironmental Reconstruction*. INQUA Shorelines Commission (Indian Sub Commission), Bose Institute, Calcutta, India, January 4th – 9th 1999.

Dominey-Howes, D. (1997). Invited to give lecture entitled: *Disaster Management Programmes at Coventry University*. Training Workshop for Disaster Professionals, Disaster Management Centre, University of Wisconsin, Madison, USA, 25th October 1997.

Media Communication and Expertise

I have given many (hundreds!) television and radio interviews for the BBC, CNN, and all Australian networks. I regularly provide commentary on natural disasters for the print media and work with journalists to bring science stories to the public.

I was asked by the BBC to participate as a scientific expert in a documentary series entitled, “Ancient Apocalypse”. The series was screened in 2001.

I made a television programme entitled “Incredible Stories” with Granada Media / National Geographic screened in 2003.