

Brian G. McAdoo

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Research and Teaching

I am a disaster researcher interested in how geohazards (earthquakes, tsunamis, tropical cyclones, floods, landslides, etc.) impact communities and how communities impact the environment in ways that make them more, or less, vulnerable or resilient to shocks. By studying events in the South Pacific, Caribbean and throughout Asia using a Planetary Health framework, we seek to understand how coupled human-environment systems and geohazards interact to ultimately inform community resilience and reduce environmental suffering. This interdisciplinary approach to understanding complex systems also informs my classes which include Oceanography, Geohazards and Risk, Biogeophysical Systems (earth systems and life), Global Tectonics, Field Geophysics (African slave-era graveyards in New York), Oil (geology, history, geopolitics) and a new course on Planetary Health.

Education

Ph.D. Earth Sciences, University of California, Santa Cruz, 1999
Diploma in Science, Geology, University of Otago (Fulbright Scholar), 1992
B.S. Geology, Duke University, 1991

Professional Experience

2021-present	Associate Professor of Earth and Climate Science, Nicholas School of the Environment, Duke University
2012-2021	Professor of Environmental Science, Yale-NUS College (founding faculty member)
2017, 2019-2021	Head of Environmental Studies, Yale-NUS
2012-2018	Inaugural Rector, Elm College, Yale-NUS
2015	Acting Dean of Students, Yale-NUS
2011-2015	Althea Ward Clark Professor of Environmental Science, Vassar College
2008-2009	Blaustein Visiting Professor, School of Earth Sciences, Woods Institute for the Environment, Stanford University
2006-2011	Associate Professor, Vassar Department of Earth Science and Geography
2009-2011	Associate Chair, Vassar Department of Earth Science and Geography
2004-2005	Visiting Professor, Institute of Geology, ETH-Z, Zürich, Switzerland
2002-2004	Mary Clark Rockefeller Assistant Professor, Vassar Department of Geology and Geography
1999-2001	Assistant Professor, Vassar Department of Geology and Geography
1998-1999	Minority Scholar-in-Residence, Vassar College

Academic and Administrative Roles

Yale-NUS College (2012-2021)

- **Inaugural Rector** (2012-2018). Created integrated living-learning residential college with students, faculty and staff participating in academic advising, co-curricular programming, and off-campus cultural and networking events to ensure a breadth of intellectual inquiry and ideas outside of the academy. Selected and hired faculty residential fellows to help maintain intellectual engagement within the residential community. Incorporated academics into first-year orientation programme by introducing concepts in liberal arts and sciences while getting to know the region. Represented the College to other universities and government partners, forged relationships with businesses, non-profits and cultural institutions.
- **Experiential Learning**. Developed flagship [Week 7](https://cipe.yale-nus.edu.sg/experiential-opportunities/week-7/) first-year experiential learning programme (<https://cipe.yale-nus.edu.sg/experiential-opportunities/week-7/>), where faculty create intensive, interdisciplinary academic experiences for students outside of the classroom.
 - Presently **Chair of the Integrated Learning Initiative** (2019-2020), working with faculty, staff and students to develop, refine and embed experiential learning in the curriculum.

- **Curriculum Development.** Team leader for the Common Curriculum science-for-non-scientists course, Foundations of Science. Hiring inaugural faculty in Environmental Studies while re-envisioning the major in an Asian context.
- **Advising.** Mentored faculty in social sciences, humanities and natural sciences, and supported faculty fellowship in the residential college;
- **Teaching.** Taught “Foundations of Science” in the Common Curriculum, developed Biogeophysical Systems, Risk and Geohazards and Planetary Health.
- **Research.** Focus on earthquake and climate-related risk reduction in Indonesia (Sumatra, Kalimantan), and in Nepal and India partnering with UN Environment to explore ways of leveraging ecosystem services to reduce losses. Presently leading a Virtual Reality for Disaster Resilience project.

Vassar College

- **Associate Chair** (2009-2011). Set Earth Science programme agenda; Advocated for long-term programme resources; Reviewed and negotiated budget and staffing for the programme.
- **Faculty Appointments and Salary Committee** (2009-2011). Reviewing promotion and tenure materials across all disciplines; As Associate Professor member, responded to faculty members’ enquiries.
- **Faculty Policy and Conference Committee** (2002-2004). Policy recommendations for faculty governance, educational policy and employment matters; As Assistant Professor member, initiated revisions in parental leave policy.

Director, Health in Harmony (2021-present; volunteer).

- Advising this organization that supports health and environment in Indonesia, Madagascar and Brazil

Director, Singapore Art Museum (2014-2020; volunteer).

- Oversight of SE Asia’s premier contemporary art museum;
- Bring interdisciplinary, liberal arts and sciences values and perspectives to the museum;
- Service on Acquisitions, Finance and Audit Committees.

Advisor, Skillseed (2018-2021; volunteer).

- Counsel to Singapore-based organization that facilitates meaningful, socially impactful experiential learning opportunities for young people in SE Asia.

Advisor, United World College of SE Asia Board of Governors (2020-2021; volunteer).

- Advises the Board on issues of secondary and tertiary international education.

Professional Affiliations

American Geophysical Union

European Geosciences Union

Geological Society of America

Association of American Geographers

Asian Oceania Geosciences Society

Partnership for the Environment and Disaster Risk Reduction (PEDRR)

World Conservation Union (IUCN), Commissioner on Ecosystem Management

Tsunami and Disaster Mitigation Research Center, Syiah Kuala University, Banda Aceh, Indonesia

Funding/Awards

2019- Singapore Ministry of Education (\$25K), Plastics in Tonle Sap, Cambodia, co-Principal Investigator (P.I.)

2013- Singapore Ministry of Education (\$180K), The Tsunami Project: Transdisciplinary approaches to disaster risk reduction, P.I.

2014-2019 National Science Foundation (\$700K), Sustainable Adaptive Gradients in the Coastal Environment (SAGE): Reconceptualizing the Role of Infrastructure in Resilience (Steering Committee Member; P.I. Elisabeth Hamin, U. of Massachusetts)

- 2010 Widgeon Foundation (\$30K); NSF RAPID (\$30K). Information sharing between disaster response and recovery phases of the 2010 Haiti earthquake, P.I.- Louise Comfort (U. of Pittsburgh)
- 2007 National Science Foundation (\$25K). Rapid response to the 1 April 2007 Solomon Islands tsunami, P.I.
- 2005-2010 National Science Foundation (\$2.4M): Developing International Protocols for Offshore Sediments and their Role in Geohazards, co-P.I.
- 2003-2004 National Science Foundation (\$25K): Surface Geomorphology from 3D Seismic and Multibeam Bathymetry: Implications for Cascadia Seismicity, P.I.
- 2002 Vassar College, Environmental Sciences Research Fund (\$5K): Tsunami Deposits from the 1929 Grand Banks Earthquake, Taylor's Bay, Newfoundland, P.I.
- 2001-2002 National Science Foundation (\$34K): Surface Geomorphology from 3D Seismic, Nankai Accretionary Prism, Japan, P.I.
- 1999-2001 Vassar College Environmental Sciences Research Fund (\$4K): Snow Avalanche Hazard, Mt. Washington, New Hampshire, P.I.
- 1998 Ford Foundation Fellowship (declined)
- 1993-1998 Shell Oil Foundation, Graduate Student Fellowship.
- 1993 Amoco Minority Fellowship.
- 1991-1993 J. William Fulbright Scholarship, University of Otago, Dunedin, New Zealand.
- 1990-1991 National Science Foundation, Science Opportunity Fellowship (\$5K).

Field and Sea Experience

- Nepal, 2015-present.** Land-use, climate change, roads and landslides, Annapurna/Upper Mustang region
- West Kalimantan, 2017-present.** Planetary Health: Forest Conservation and Public Health
- Sumatra, 2017-present.** Virtual Reality for Disaster Risk Reduction, Padang, West Sumatra
- Borneo, 2016.** Industrial scale land-use and 'Green' energy- palm oil and dams in the Baram River region
- Banda Aceh, 2013.** Post-Tsunami Reconstruction
- Bermuda, 2012.** Global Threats to Coral Reefs, Field Ecology and Geology class
- Japan, 2011.** Post-tsunami reconnaissance and sampling following 2011 Tohoku tsunami
- Haiti, 2010.** Post-earthquake response and recovery communication networks, Port-au-Prince
- Jamaica, 2010.** Coastal hazard and risk assessment, Negril
- Samoa, 2009.** Marine ecosystem assessment following the September 2009 earthquake and tsunami
- Sumatra, 2008.** Coastal geomorphology, earthquakes and tsunami
- Solomon Islands, 2007.** Field survey of the April 2007 tsunami
- Java, 2006.** Field survey of July 2006 tsunami
- Sri Lanka, 2006.** Paleotsunami deposits search, assessment of post-tsunami aid distribution
- US Gulf of Mexico Coast, 2005.** Field survey of Hurricane Katrina damage and sediment deposits
- Sumatra, 2005b.** Simeulue Island. Mangroves, coral reef, and societal interactions
- Sumatra, 2005a.** International Tsunami Survey Team (ITST) member, field survey of December 2004 and March 2005 earthquakes and tsunami on offshore islands
- Sri Lanka and Maldives, 2005.** Field survey of the December 2004 Indian Ocean tsunami
- Antarctica, 2004.** Alumnae and Alumni of Vassar College study trip group leader. Provided readings and two ship board lectures on the geology of the Antarctic Peninsula and the potential implications of oil development on the region
- Northern Arizona, 2003.** Fire, Water and People: Geology and Ecology of the Desert Southwest. Field Geology and Ecology class
- Newfoundland, 2002.** Tsunami deposits from the 1929 Grand Banks earthquake. Coring marshes for tsunami sands in peat
- Mt. Washington, NH, 2000.** Snow avalanche hazard prediction
- Jamaica, 1999.** Instructor. Geophysical survey of slave village, Keck Geology Consortium Summer research project.
- Monterey Bay, California, 1993-1997.** RV *Point Lobos*/ ROV *Ventana*. Seafloor fluid venting and geomorphology
- Northern California, 1996 and 1998.** RV *Wecoma* cruise. STRATAFORM Seafloor acoustic and geotechnical properties, Eel River Basin
- Mid Atlantic Ridge, 1995.** RV *Atlantis III*/ALVIN cruise. Structural geology and petrology south of the Kane Fracture Zone using the submersible ALVIN
- Costa Rica, 1994.** RV *Atlantis III*/ALVIN cruise. Submarine fluid flow and structure of the Costa Rica Accretionary Prism using the submersible ALVIN

Oregon, 1993. RV *Atlantis III*/ALVIN cruise. Submarine geomorphology, surficial fluid venting, and structure on the toe of the Cascadia Accretionary Complex using the submersible ALVIN
South Island, New Zealand, 1991-1992. Structural mapping, paleoseismology, and petrology of the Alpine Fault

Publications

- Ranasinghe, P., J. Ortiz, A. Moore, B. **McAdoo**, N. Wells, D. Klarer, Y. Jayarathna, S. Kalubandara, Signatures of paleo-tsunamis in coastal back-barrier environments in eastern and southeastern Sri Lanka – Pre-2004 Indian Ocean Tsunamis, *submitted to Sedimentology*.
- Hao, L., Rajaneesh, C. van Westen, K.S. Sajinkumar, P. Jaiswal, and B. **McAdoo**, Constructing a complete landslide inventory dataset for the 2018 Monsoon disaster in Kerala, India, *submitted to Landslides*.
- Sudmeier-Rieux, K., B. **McAdoo**, et al., Scientific evidence for ecosystem-based disaster risk reduction, *Nature Sustainability*, 2021.
- Hargan, K. E., B. Williams, B. Nuangsaeng, S. Siritwong, P. Tassawad, C. Chaiharn, B. **McAdoo**, M. Los Huertos, Understanding the fate of shrimp aquaculture effluent in a mangrove ecosystem: aiding management for coastal conservation, *Journal of Applied Ecology*, 2020.
- Vishnu, C. L., V. R. Rani, Sajinkumar, K. S., T. Oommen, F. Bicocca, F. L. Bonali, S. Pareeth, K.P. Thrivikramji, B. **McAdoo**, and Y. Anilkumar, A. Rajaneesh, Catastrophic flood of August 2018, Kerala, India: Study of partitioning role of lineaments in modulating flood level using remote sensing data, *Remote Sensing Applications: Society and Environment*, 2020.
- Sudmeier-Rieux, K., **B. McAdoo**, S. Devkota, P. Rajbhandari, J. Howell, S. Sharma, Invited perspectives: Mountain roads in Nepal at a new crossroads, *Nat. Hazards Earth Syst. Sci.*, 19, 655-660, 2019.
- McAdoo**, B.G., M. Quak, K.R. Gnyawali, B.R. Adhikari, S. Devkota, P.L. Rajbhandari, and K. Sudmeier-Rieux, Roads and landslides in Nepal: how development affects environmental risk, *Nat. Hazards Earth Syst. Sci.*, 18, 3203-3210, 2018.
- Devkota, S., N. M. Shakya, K. Sudmeier-Rieux, M. Jaboyedoff, C. van Westen, B. **McAdoo**, and A. Adhikari, Development of Monsoonal Rainfall Intensity-Duration-Frequency (IDF) Relationship and Empirical Model for Data-Scarce Situations: The Case of the Central-Western Hills (Panchase Region) of Nepal, *Hydrology*, 5(2), 27, 2018.
- Devkota, S. N. M. Shakya, K. Sudmeier-Rieux, B. **McAdoo**, M. Jaboyedoff, Predicting soil depth to bedrock in an anthropogenic landscape: a case study of Phewa Watershed in Panchase region of Central-Western Hills, Nepal, *Journal of Nepal Geological Society*, Vol. 55, No. 1, 2018.
- Hamin, E., R. Ryan, E. Roper, M. Buchanan, E. Albright, J. Buxton, L. Nurse, M. Dilthey, B. **McAdoo**, P. Judge, M. Kenny, D. DeGroot, A. Marin, P. Kirshen, T. Sheahan, R. Fricke, Pathways to coastal resiliency: The Adaptation Gradients Framework, *Sustainability* 10(8), 2018.
- Monecke, K., E. Meilianda, D-J Walstra, E. Hill, **B. McAdoo**, Q. Qiu, J. Storms, A. Masputri, C. Mayasari, M. Nasir, I. Riandi, A. Setiawan, and C. Templeton, Postseismic coastal development in Aceh, Indonesia- Field observations and numerical modeling, *Marine Geology* 392, 2017.
- Rovins, J, B. **McAdoo** and R. Weiss, South East Asia Risk Collaboration Hub (SEARCH), *Middle East Institute*, www.mei.edu/content/map/south-east-asia-risk-collaboration-hub-search, 19 July 2016.
- Monecke, K., C. Templeton, W. Finger, B. Houston, S. Luthi, B. **McAdoo**, E. Meilianda, J. Storms, D-J Walstra, R. Amna, N. Hood, F Karmanocky, Nurjanah, I. Rusydy, S. Sudrajat, Beach ridge patterns in West Aceh, Indonesia, and their response to large earthquakes along the northern Sunda trench, *Quaternary Science Reviews* 113, 2015.
- Ranasinghe, P. N., J. Ortiz, A. Moore, B. **McAdoo**, N. Wells, C. Siriwardana, and D. Wijesundara, Mid-Late Holocene coastal environmental changes in southeastern Sri Lanka: New evidence for sea level variations in southern Bay of Bengal, *Quaternary International* 298, 2013.
- Dominey-Howes, D., Dengler, L., Dunbar, P., Kong, L., Fritz, H., Imamura, F., **McAdoo**, B., Satake, K., Yalciner, A., Yamamoto, M., Yulianto, E., Koshimura, S., and Borrero, J., International Tsunami Survey Team (ITST) Post-Tsunami Survey Field Guide. 2nd Edition. UNESCO-IOC, Paris. 2012.

- Morgan, E., M. Vanneste, I. Lecomte, L. Baise, O. Longva, and B. **McAdoo**, Estimation of free gas saturation from seismic reflection surveys by the genetic algorithm inversion of P-wave attenuation model, *Geophysics* 77(4), 2012.
- McAdoo**, B.G. and L. Paravisini-Gebert, Not the Earthquake's Fault, *Nature Geoscience*, doi: 10.1038/ngeo_1116, 2011.
- Moore, A., J. Goff, B. **McAdoo**, H. Fritz, A. Gusman, N. Kalligeris, K. Kaslum, A. Susanto, D. Suteja, and C. Synolakis, Sedimentary deposits from the 17 July 2006 West Java tsunami near Cilacap, Indonesia, *Pure and Applied Geophysics*, 2011.
- Comfort, L.K., L. Huggins, M. Siciliano, S. Scheinert, P. Sweeney, S. Stebbins, T. Serrant, B. **McAdoo**, J. Augenstein, and N. Krenitsky, Transition from response to recovery: The January 12, 2010 Haiti earthquake, *Earthquake Spectra*, 2011.
- Borrero, J, B. **McAdoo**, B. Jaffe, L. Dengler, G. Gelfenbaum, B. Higman, R. Hidayat, A. Moore, W. Kongko, Lukijanto, R. Peters, G. Prasetya, V. Titov, E. Yulianto, Field Survey of the March 28, 2005 Nias-Simeulue Earthquake and Tsunami, *Pure and Applied Geophysics*, DOI 10.1007/s00024-010-0218-6, 2011.
- Goff, J., C. Chague-Goff, D. Dominey-Howes, B.G. **McAdoo**, S. Cronin, M. Bonte-Grapetin, S. Nichol, M. Horrocks, M. Cisternas, G. Lamarche, B. Pelletier, B. Jaffe, and W. Dudley, Paleotsunamis in the Pacific Islands, *Earth Science Reviews*, 2011.
- Gaillard, J.C., K. Sudmeier-Rieux, I. Kelman, and B. **McAdoo**, Cross cultural interactions, in *Encyclopedia of Disaster Relief*, Routledge, 2011.
- McAdoo**, B., Tsunami hazards and risk reduction, in *Handbook of Natural Hazards and Disaster Risk Reduction and Management*, Routledge, 2011.
- McAdoo**, B., Tsunami, in *Encyclopedia of Disaster Relief*, SAGE Publications, 2011.
- McAdoo**, B. G., Samuelu, J., L. Bell, P. Ifopo, J. Ward, E. Lovell, P. Skelton, Coral reefs as buffers during the 2009 South Pacific tsunami, Upolu Island, Samoa, *Earth Science Reviews*, DOI 10.1016/j.earscirev.2010.11.005, 2010.
- McAdoo**, B.G., A. Moore, and J. Baumwooll, Indigenous knowledge and the near field population response during the 2007 Solomon Islands tsunami, *Natural Hazards* 48, no. 1, p. 73-83, 2009.
- Lee, H., J. Locat, P. Desgagnes, J. Parsons, B. **McAdoo**, D. Orange, P. Puig, F. Wong, P. Dartnell, and E. Boulanger, Submarine Mass Movements on Continental Margins, in *Continental Margin Sedimentation: From Sediment Transport to Sequence Stratigraphy*, Nittrouer, C., J. Austin, M. Field, J. Kravitz, J. Syvitski, and P. Wiberg eds., International Association of Sedimentologists, 2009.
- Monecke, K., W. Finger, D. Klarer, W. Kongko, B.G. **McAdoo**, A.L. Moore, and S.U. Sudrajat, A 1,000-year sediment record of tsunami recurrence in northern Sumatra, *Nature* 455, p. 1232-1234, 2008.
- Morgan, E., B.G. **McAdoo**, and L. Baise, Quantifying geomorphology associated with large subduction zone earthquakes, *Basin Research* 20, p. 531-542, 2008.
- McAdoo**, B.G., H. Fritz, K. Jackson, N. Kalligeris, J. Kruger, M. Bonte-Grapentin, A. Moore, W. Rafiau, D. Billy, and B. Tiano, Solomon Islands Tsunami, One Year Later, *EOS, Transactions, American Geophysical Union* 89, no. 18, p. 169-170, 29 April 2008.
- Fritz, H., C. Blount, R. Sokoloski, J. Singleton, A. Fuggle, B.G. **McAdoo**, A. Moore, C. Grass, and B. T., Hurricane Katrina Storm Surge Reconnaissance, *Journal of Geotechnical and Geoenvironmental Engineering*, May 2008
- McAdoo**, B.G., N. Richardson, and J. Borrero, Inundation distances and runup measurements from ASTER, QuickBird and SRTM data, Aceh Coast, Indonesia, *International Journal of Remote Sensing* 28, no. 13-14, p. 2961-2975, 2007.
- McAdoo**, B. G., K. Jackson, J. Kruger, M. Bonte-Grapentin, A. Moore, W. Rafiau, D. Billy, and B. Tiano, Geologic Survey of the 2 April 2007 Solomon Islands Earthquake and Tsunami, *UNESCO Field Report*, 2007.
- Moore, A., B.G. **McAdoo**, and A. Ruffman, Landward fining from multiple sources in a sand sheet deposited by the 1929 Grand Banks tsunami, Newfoundland, *Sedimentary Geology* 200, 336-346, 2007.

- Fritz, H., W. Kongko, A. Moore, B.G. **McAdoo** et al., Extreme runup from the 17 July 2006 Java Tsunami, *Geophysical Research Letters* 34, L12602, 2007.
- Fritz, H.C., C. Blount, R. Sokoloski, J. Singleton, A. Fuggle, B.G. **McAdoo**, A. Moore, C. Grass, and B. Tate, Hurricane Katrina storm surge distribution and field observations on the Mississippi Barrier Islands, *Estuarine and Coastal Shelf Science*, 2007.
- Fritz, H., C. Synolakis, and B. G. **McAdoo**, Maldives field survey of the 2004 Indian Ocean Tsunami, *Earthquake Spectra* 22, S3, 137-154, 2006.
- Bruce E. Jaffe, J.C. Borrero, G. S. Prasetya, L. Dengler, G. Gelfenbaum, R. Hidayat, B. Higman, E. Kingsley, Lukiyanto, B. G. **McAdoo**, A. Moore, R. Morton, R. Peters, P. Ruggiero, V. Titov, W. Kongko, and E. Yulianto, The December 26th 2004 Indian Ocean tsunami in Northwest Sumatra and Offshore Islands, *Earthquake Spectra* 22, S3, 105-135, 2006.
- McAdoo**, B. G., L. Dengler, V. Titov, and G. Prasetya, Smong: How an oral history saved thousands on Indonesia's Simeulue Island, *Earthquake Spectra* 22, S3, 661-669, 2006.
- Lee, H.J., Locat, J., Desgagnes, P., Parsons, J.D., **McAdoo**, B.G., Orange, D. L., Puig, P., Wong, F.L., Dartnell, P., and Boulanger, E. (in press; chapter 5). *Submarine Mass Movements on Continental Margins*, in: Nittrouer, C.A., Austin, J.A., Field, M.E., Kravitz, J.H., Syvitski, J.P.M., and Wiberg, P.L., eds., *Continental-Margin Sedimentation: from Sediment Transport to Sequence Stratigraphy*, IAS special publication 37, Blackwell Publishing Ltd., Oxford, 2006.
- Papadopoulos, G., R. Caputo, B.G. **McAdoo**, S. Pavlides, V. Karastathis, A. Fokaefs, K. Orfanogiannaki, and S. Valkaniotis, The large tsunami of 26 December 2004: Field observations and eyewitnesses' accounts from Sri Lanka, Maldives Is. and Thailand, *Earth Planets Space* 58, p. 233-241, 2006.
- LaCerva, G. and B. **McAdoo**, Simeulue Island Mangrove Rehabilitation Assessment, CARE Indonesia, 2005.
- Yalciner, A. C., D. Perincek, S. Ersoy, G. Prasetya, R. Hidayat, and B. **McAdoo**, December 26, 2004 Indian Ocean tsunami field survey (Jan. 21-31, 2005) at north of Sumatra Island., *UNESCO IOC Report*, 2005.
- Gieskes, J., C. Mahn, S. Day, J. Martin, J. Greinert, T. Rathburn, and B. **McAdoo**, A study of the chemistry of pore fluids and authigenic carbonates in methane seep environments: Kodiak Trench, Hydrate Ridge, Monterey Bay, and Eel River Basin, *Chemical Geology* 220, p. 329-345, 2005.
- McAdoo**, B. Submarine Landslide Geomorphology, *Encyclopedia of Geomorphology*, A.S. Goudie (Ed), New York: Routledge, 2004.
- McAdoo**, B. G., M. Capone, and J. Minder, Seafloor geomorphology of convergent margins: Implications for Cascadia seismic hazard, *Tectonics* 23, 2004.
- McAdoo**, B. G., and P. Watts, Tsunami hazard from submarine landslides on the Oregon continental slope. *Marine Geology* 203, p. 235-245, 2004.
- McAdoo**, B. G., L. Pratson, and D. L. Orange, Submarine landslide geomorphology, US continental slope, *Marine Geology*, 169, p. 103-136, 2000.
- McAdoo**, B. G., Mapping Submarine Landslides, in *Marine and Coastal Geographic Information Systems*, edited by Dawn Wright and Darius Bartlett, part of the Research Monographs in Geographic Information Systems series, edited by Peter Fisher, Taylor and Francis, Publishers, 1999.
- McAdoo**, B. G., Submarine Geomorphology of the Cascadia Accretionary Prism, Ph. D. Dissertation, University of California, Santa Cruz, 1999.
- Densmore, A. L., R. S. Anderson, B. G. **McAdoo**, and M. A. Ellis, Hillslope evolution by bedrock landslides, *Science*, 275, no. 5298, p. 369-372, January 17, 1997.
- Orange, D. L., B. G. **McAdoo**, E. Screaton, H. Chezar, H. Lee, M. Reid, R. Vail, Headless submarine canyons and fluid flow on the toe of the Cascadia accretionary complex. *Basin Research*, 9, p. 313-324, 1997.
- McAdoo**, B. G., D. L. Orange, E. Screaton, H. Lee, and R. Kayen, Slope basins, headless canyons, and submarine paleoseismology of the Cascadia accretionary prism. *Basin Research*, 9, p. 313-324, 1997.

Kahn, L. M., E. A. Silver, D. Orange, R. Kochevar, B. **McAdoo**, Surficial evidence of fluid expulsion from the Costa Rica accretionary prism, *Geophysical Research Letters*, 23, no. 8, 887-890, April 15, 1996.

McAdoo, B. G., D. O. Orange, E. A. Silver, K. McIntosh, L. Abbott, J. Galewsky, L. Kahn, and M. Protti, Structural Observations, Costa Rica Accretionary Prism, *Geophysical Research Letters*, 23, no. 8, 883-886, April 15, 1996.

McAdoo, B. G. Havelock Geology: The Alpine Fault Between the Cook and Karangarua Rivers, South Island, New Zealand. Post-Graduate Diploma in Science, Geology Thesis, University of Otago, 1993.

Invited Seminars

Tohoku University (Japan, 2019), Fulbright University of Vietnam (2019), Smith College (2018), Brown University (2017), Duke University (2000, 2017), Amherst College (2017), University of Washington (2016), Massachusetts Institute of Technology (2013), University of Otago (New Zealand, 2012), University of Canterbury (New Zealand, 2012), National University of Singapore (2012), Extreme Geohazards Workshop (Spain, 2011), Harvard Graduate School of Design (2011), University of Pennsylvania (2011), United Nations University (Germany, 2010), Norwegian Geotechnical Institute (2010), Syracuse University (2010), Yale University (2009, 2010, 2011, 2015), NOAA Pacific Marine Environmental Center (2009), University of Washington (2009), Johns Hopkins University (2009), US Geological Survey (2009), California State University Monterey Bay (2009), Earth Observatory of Singapore (2009, 2016), UC Davis (2008), MBARI (2008), Stanford University (2008, 2009, 2010), University of Western Australia (2008), GNS Science (New Zealand, 2008), International Disaster and Risk Conference (Davos, Switzerland, 2006, 2008, 2012), Dutchess Community College (2008), University of Rhode Island (2006), Colorado College (2005), Centre Mediterrani d'Investigacions Marines i Ambientals (Barcelona, 2005), Sustainable Assets Management (Zurich, 2004), Euromargins (Spain, 2004), ETH Zurich (2004, 2005), Franklin and Marshall College (2002, 2006), Columbia University (Applied Mathematics and Earth & Environmental Sciences, 2004), Rensselaer Polytechnic Institute (2002), Cornell University (2002), Lamont Doherty Earth Observatory (2001, 2007), Trinity College, Dublin (1999).

Graduate student and Post-doc advising

Sally Abbott, PhD (Food Security), Tufts University

Jennifer Baumwoll, MA (Public Policy), Webster University, Vienna

Katrin Monecke, Post-doc (Coastal Geology), Kent State University/Vassar

Eugene Morgan, PhD (Civil and Environmental Engineering), Tufts University

Nalaka Ranasinghe, PhD (Coastal Geology), Kent State University

Joshu Mountjoy, PhD (Geology), University of Canterbury (reader)

Vivienne Bryner, PhD (Science Communication), University of Otago

Marie Delalay, PhD (Geography), National University of Singapore

Alexander Finnegan, PhD (Geography, in progress), National University of Singapore

College Activity

Classes Taught. Oceanography (Vassar College); Meteorology (VC); Earth, the Environment, and Humanity (VC); Global Geophysics and Plate Tectonics (VC); Structural Geology (VC); Digital Underground: Field Geophysics (VC); Oil (VC, Yale-NUS); Continental Margins (VC); Field Geology and Ecology (VC; Arizona, Bahamas and Bermuda); Carbon Conflicts (VC); Culture and Environment of the Eastern Caribbean (VC); *Terroir* (VC); Understanding Haiti (VC); Risk and Geohazards (VC, Yale-NUS); Foundations of Science (Yale-NUS common curriculum course for non-scientists); Applied Environmental Studies (Yale-NUS); Biogeophysical Systems (Yale-NUS), Planetary Health (Yale-NUS).

Committees and Service.

Vassar- Faculty Policy and Conference Committee (governance), Learning and Teaching Center Steering Committee, Committee on Diversity and Difference, Associate Chair of Earth Science and Geography, Faculty Appointments and Salary Committee (tenure and promotion).

Yale-NUS- International and Professional Experiences (Chair), Admissions (Chair), Head of Environmental Studies, Diversity and Inclusion Working Group, Integrated Learning Initiative (Chair).

Other Interests

Cycling (mountain, road); Hiking; basic German and Indonesian; Street food.