

Dr. Patrick Daly

Department of Anthropology
Washington University in St. Louis
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Date of Birth: January 13, 1975

Nationality: American and Irish (dual citizenship)

VITAE

My work investigates the long-term interactions between people and their environments. I have conducted extensive research in Europe, the Middle East and Southeast Asia focusing upon human adaptation to changing environmental conditions and climate change, the societal impacts of natural hazards, post-disaster reconstruction, and humanitarianism. I employ a combination of environmental archaeological, historical, and applied anthropological methods. I have conducted fieldwork in Finland, the United Kingdom, Jordan, Syria, Peru, Malaysia, Palestine, Indonesia, Philippines, Nepal, Cambodia and the Maldives, as well as having worked extensively in laboratory situations.

EDUCATION

2003 DPhil. Environmental Archaeology. University of Oxford, Institute of Archaeology

1997 BA (honors) Department of Anthropology with a Minor in Physical Geography,
State University of New York at Buffalo

EMPLOYMENT

Current Post

Staff Scientist (Resilience and Sustainability): Department of Anthropology, Washington University in St. Louis. 9 December 2024 – Present.

Previous Posts

Visiting Scholar: Southeast Asia Program, Cornell University. 20 January 2024 – 31 August 2024.

Senior Research Scientist and Principle Investigator: Earth Observatory of Singapore, Nanyang Technological University, Singapore 1 July 2015 – 31 October 2024

Senior Lecturer: University Scholars Program, National University of Singapore. (joint appointment with the Earth Observatory of Singapore) Dec. 2010 – 30 June 2015

Senior Research Fellow: Asia Research Institute, National University of Singapore. Dec. 2006 to November 2010

Post Doctoral Fellow: Asia Research Institute, National University of Singapore. December 2005 to November 2006

Post Doctoral Fellow: McDonald Institute for Archaeological Research, University of Cambridge - September 2004 to November 2005

Visiting Assistant Professor: Faculty of Arts, An-Najah National University, Nablus, Palestinian Territories - September 2002 to June 2004

PUBLICATIONS

Books, Edited Volumes, Special Journal Issues

DALY, P. (In prep.) *The Aftermath of Aid: Capacity Building, Development and Sustainability in Post-tsunami Aceh*. Cambridge University Press

DALY, P. & Feener, R. M. (eds.) 2016. *Rebuilding Asia Following Natural Disasters: Approaches Reconstruction in the Asia-Pacific Region*. Cambridge University Press

Feener, M., Fountain, P. McLaughlin, L. and, **DALY, P.** (eds.) 2016. *Salvage and Salvation: Religion and Disaster Relief in Asia*. *Asian Ethnology*

Feener, M., **DALY, P.**, and Reid, A. (eds.) 2012. *Memetakan Masa Lalu Aceh*. Jakarta: KITLV Press

DALY, P. Feener, M. and Reid, A. (eds.) 2012. *Bangkit Dari Debu: Multiperspektif tentang Aceh Pasca-Tsunami dan Pasca-Konflik*. Jakarta: KITLV Press

DALY, P. Feener, M. and Reid, A. (eds.) 2012. *From the Ground Up: Perspectives on Post-Tsunami and Post-Conflict Aceh*, Singapore: ISEAS Press

DALY, P. and Winter, T. (eds.) 2011. *The Routledge Handbook of Heritage in Asia*, London: Routledge

Feener, M, **DALY, P.** and Reid T. (eds.) 2011. *Mapping the Acehnese Past*. Leiden: KITLV Press

Evans, T. and **DALY, P.** (eds.) 2005. *Digital Archaeology*. London: Routledge Press

Gosden, C., Lock, G. and **DALY, P.** 2005. *An Iron Age Hillfort and its Landscape*. Oxford: Oxford University Committee for Archaeology Monograph

Journal Articles and Book Chapters

DALY, P., Nejad, A., Domijan, K., McCaughey, J., Brassard, C., Kathiravelu, L., Marques, M., Sarti, D., Parnell, A., & Horton, B. (2024) The socio-economic impacts of the COVID-19 mitigation measures and vulnerabilities in Singapore. *Progress in Disaster Science*, 24 100377.

Majewski, J., Switzer, A., Guan, R., Benazir, B., Meilianda, E., Parham, P., Weiss, R., Martin, S., Pearson, L., Pilarczyk, J., **DALY, P.**, & Horton, B. (2023). Sediment analysis and historical context of the 2018 Palu-Donggala tsunami deposit, Indonesia. *Marine Geology*, 466 107159.

DALY, P., Mahdi, S., Mundir, I., McCaughey, J., Amalia, C., Jannah, R. & Horton, B. (2023). Social capital and community integration in post-disaster relocation settlements after the 2004 Indian Ocean Tsunami in Indonesia. *International Journal of Disaster Risk Reduction*. 95, doi.org/10.1016/j.ijdr.2023.103861

Mahdi, S., **DALY, P.**, Fitria, I., Mundir, I., Rubianty, D., & McCaughey, J. (2023). Remarriage strategies for post-disaster widows and widowers following the 2004 Indian Ocean tsunami in Indonesia. *Progress in Disaster Science*, 19. doi.org/10.1016/j.pdisas.2023.100289

DALY, P., Ninglekhu, S., Hollenbach, P., McCaughey, J., Lallemand, D., & Horton, B. (2023). Rebuilding historic urban neighborhoods after disasters: Balancing disaster risk reduction and heritage conservation after the 2015 earthquakes in Nepal. *International Journal of Disaster Risk Reduction*. 86, doi.org/10.1016/j.ijdr.2023.103564

DALY, P., Feener, R. M., Ishikawa, N., Mujah, I., Irawani, M., Hegyi, A., Baranyai, K., Majewski, J., & Horton, B. (2022). Challenges of managing maritime cultural heritage in Asia in the face of climate change. *Climate*, 10(6) <https://doi.org/10.3390/cli10060079>

Chapkanski, S., Brocard, G., Lavigne, F., Tricot, C., Meilianda, E., Ismail, N., Majewski, J., Goiran, J., Alfian, D., **DALY, P.**, Horton, B., Switzer, A., Degroot, V., Steuer, A., Siemon, B., Vermoux, C., Cavero, J. & Darusman, D. (2022). Fluvial and coastal landform changes in the Aceh River delta (northern Sumatra) during the century leading to the 2004 Indian Ocean Tsunami. *Earth Surface Processes and Landforms*, 47(5): 1127-1146.

Feener, R. M., Ishikawa, N. & **DALY, P.** (2021). Big Data in the Humanities : New Interdisciplinary Opportunities

and New Challenges for Data Management. *Journal of Japan Society of Information and Knowledge*, 31(4):440 – 445

Ninglekhu, S., **DALY, P.**, & Hollenbach, P. (2021). Reclaiming heritage: The politics and poetics of Newar Urbanism. In M. Hutt, M. Liechty, & S. Lotter (eds.) *Epicentre to Aftermath: Rebuilding and Remembering in the Wake of Nepal's Earthquakes*. Cambridge: Cambridge University Press. Pp. 226 – 252.

Feener, R. M., **DALY, P.**, Frachetti, M., Mujah, I., Irawani, M., Taran, J., Zaki, A., Maasa, F., Shamran, M., Zahara, M., Azees, M., Baranyai, K., Levick, P., Bakheit, H., Rahardjo, J., & Clark, G. (2021). The Maldives Heritage Survey. *Antiquity*. 95 (381) DOI: <https://doi.org/10.15184/aqy.2021.45>

Feener, R. M., **DALY, P.**, Lum, L. Edwards McKinnon, E., Ardiansyah, Nizamuddin, Ismail, N., Tai, Y. S. & Sieh, K. (2021). Islamization and the formation of vernacular burial monuments in 15th-century northern Sumatra. *Indonesia and the Malay World*. 49(143): 1-41.

DALY, P., Brassard, C., McCaughey, J., Ng, R., Kathiravelu, L. & Horton, B. (2021). The social and economic impacts of COVID-19 mitigation measures on citizens and permanent residents during the Circuit Breaker period in Singapore, NTS Insight, No. IN21-02 (Singapore: RSIS Centre for Non-Traditional Security Studies (NTS Centre), Nanyang Technological University, Singapore, 2021.)

DALY, P., Brassard, C., McCaughey, J., Ng, R., Kathiravelu, L. & Horton, B. (2021). Perceptions COVID-19 mitigation measures by Singaporean citizens and permanent residents, NTS Insight, No. IN21-04 (Singapore: RSIS Centre for Non-Traditional Security Studies (NTS Centre), Nanyang Technological University, Singapore, 2021.)

DALY, P., Brassard, C., McCaughey, J., Ng, R., Kathiravelu, L. & Horton, B. (2021). Access to resources and support for Singaporean citizens and permanent residents during the COVID-19 Circuit Breaker. NTS Insight, No. IN21-03 (Singapore: RSIS Centre for Non-Traditional Security Studies (NTS Centre), Nanyang Technological University, Singapore, 2021.)

Brassard, C., **DALY, P.**, Horton, B., Kathiravelu, L., McCaughey, J., & Ng, R. (2021). Gender differences in resident perceptions of Singapore's COVID-19 Circuit Breaker. Lee Kuan Yew School of Public Policy, Policy Brief (29 June 2021).

Brassard, C., **DALY, P.**, Horton, B., Kathiravelu, L., McCaughey, J., & Ng, R., (2021). How Singapore's COVID-19 Circuit Breaker disrupted everyday life. Lee Kuan Yew School of Public Policy, Policy Brief (29 June 2021).

Biswas, S. & **DALY, P.** (2020). 'Cyclone Not Above Politics': East Pakistan, Disaster politics and the 1970 Bhola Cyclone. *Modern Asian Studies* <https://doi.org/10.1017/S0026749X20000293>

DALY, P. P, Mahdi, S., McCaughey, J., Mundzir, I., Halim, A., Nizamuddin, Ardiansyah, & Srimulyani, E. (2020). Rethinking relief, reconstruction and development: long-term Effectiveness of post-disaster livelihood aid. *International Journal of Disaster Risk Reduction* 49, 101650.

DALY, P. Mahdi, S., McCaughey, J., Mundzir, I., Halim, A., Nizamuddin, Ardiansyah, Srimulyani, E. & Syafullah. (2020). Restoring Livelihoods after disasters: Practical assessment of the effectiveness and sustainability of post-disaster household livelihood assistance after the 2004 tsunami in Aceh, Indonesia. EOS Policy Paper, Singapore: Earth Observatory of Singapore

DALY, P. Edwards McKinnon, E., Feener, R. M., Tai, Y. S., Ardiansyah, Parnell, A., Nizamuddin, Ismail, N., Sieh, K. & Majewski, J. (2020). The historic trading port of Lamri on the North Sumatran Coast. *Bulletin de l'Ecole française d'Extreme-Orient*. 105: 115 - 144

Tai, Y. S., **DALY, P.**, Edwards McKinnons, E., Parnell, A., Feener, R. M., Majewski, J, Ismail, N., & Sieh, K. (2020). The impacts of Ming and Qing dynasty maritime bans on trade ceramics recovered from coastal settlements in northern Sumatra, Indonesia. *Archaeological Research in Asia*. 21, 100174

DALY, P., Sieh, K., Tai, Y. S., McKinnon, E. E., Ardiansyah, Parnell, A., Feener, R. M., Ismail, N. & Nizamuddin. (2019). Archaeological evidence that a tsunami devastated 15th century settlements in northern Sumatra and redirected history. *Proceedings of the National Academy of Science*, 116(24): 11679-11686.

DALY, P. (2018). An applied anthropological perspective on localizing post-disaster aid: lessons from post-tsunami

Aceh, Indonesia. In S. Reddy and H. Naraindas (eds.) *The Asian Tsunami and Post-disaster Aid*. London: Springer.

DALY, P., Duyne Barenstein, J., Hollenbach, P., & Ninglekhu, S. (2018). Post-disaster housing reconstruction in urban areas in Nepal: aid governance and local rebuilding initiatives. *IIED Working Paper*.

McCaughey, J., **DALY, P.**, Mundzir, I., Patt, (2018). A. Socio-economic segregation following a post-disaster policy to rebuild near the coast. *Nature Sustainability* 1: 38-43.

DALY, P., Ninglekhu, S., Hollenbach, P., Duyne Barenstein, J., and Nguyen, D. (2017). Situating local stakeholders within national disaster governance structures: rebuilding urban neighborhoods following the 2015 Nepal earthquake. *Environment and Urbanization*, 29(2): 403 – 424.

Rubin, C., Horton, B., Sieh, K., Pilarczyk, J., **DALY, P.**, Ismail, N., and Parnell, A. (2017). Highly variable recurrence of tsunamis in the 7,400 years prior to the 2004 Indian Ocean tsunami. *Nature Communications*, 16019 doi:10.1038/ncomms16019.

McCaughey, J., Mundzir, I., **DALY, P.**, and Patt, A. (2017). Distrust of tsunami vertical evacuation structures: extending protection motivation theory to examine choices among protective actions under social influence. *International Journal of Disaster Risk Reduction*. 24: 462-473.

DALY, P. Halim, A., Nizamuddin, Ardiansyah, Hundlani, D., Ho, E., and Mahdi, S. (2017). Rehabilitating coastal agriculture and aquaculture after inundation events: Spatial analysis of livelihood recovery in post-tsunami Aceh, Indonesia. *Ocean & Coastal Management* 142, 218-232.

DALY, P. (2016). Cycles of destruction and reconstruction: responding to disasters in the Asia-Pacific region. In Daly, P. and Feener, R. M. (eds.). *Rebuilding Asia: Approaches to Post-Disaster Reconstruction in the Asia-Pacific Region*. Cambridge: Cambridge University Press. pp. 1-56.

DALY, P., Feener, R. M., Jauhola, M., and Thorburn, C. (2016). Blueprints for change in post-tsunami Aceh, Indonesia. In Daly, P. and Feener, R. M. (eds.). *Rebuilding Asia: Approaches to Post-Disaster Reconstruction in the Asia-Pacific Region*. Cambridge: Cambridge University Press. pp. 181-209.

DALY, P. and Chan, B. (2016). ‘Putting broken pieces back together’: reconciliation, justice and heritage in post-conflict situations. In W. Logan, M. Craith, and U. Kockel (eds.) *The Blackwell Companion to New Heritage Studies*. Oxford: Blackwell Press. pp. 491-506.

Delias, D. and **DALY, P.** (2016). The challenges of disaster risk reduction in rapidly expanding urban environments: Baguio City, Philippines since the 1990 Luzon Earthquake. In DALY, P. and Feener, R. M. (eds.). *Rebuilding Asia: Approaches to Post-Disaster Reconstruction in the Asia-Pacific Region*. Cambridge: Cambridge University Press. pp. 57-80.

Feener, R. M. and **DALY, P.** (2016). Post-disaster reconstruction in Asia: New actors and approaches. In DALY, P. and Feener, R. M. (eds.). *Rebuilding Asia: Approaches to Post-Disaster Reconstruction in the Asia-Pacific Region*. Cambridge: Cambridge University Press. pp. 393-405.

Feener, M. and **DALY, P.** (2016). Religion and reconstruction in the wake of disaster. *Asian Ethnology*. Vol. 75(1), 191-202.

Sieh, K. **DALY, P.**, McKinnon, E., Pilarczyk, J., Chiang, H. W., Horton, B., Rubin, C., Shen, C. C., Ismail, N., and Vane, C. (2015). Penultimate predecessors of the 2004 Indian Ocean tsunami in Aceh, Sumatra: stratigraphic, archaeological and historical evidence. *Journal of Geophysical Research Solid Earth*, 120: 1 - 18

DALY, P. (2015). Embedded wisdom or rooted problems? Aid workers’ perspectives on local social and political infrastructure in post-tsunami Aceh. *Disasters* 39 (2): 232-257

DALY, P. and Hor, A. (2013). Similar events, different disasters: a comparative assessment of the aftermath of the 2004 Indian Ocean and the 2011 Japan tsunamis. *Asian Journal of Environment and Disaster Management*. 5(1): 1 -21

Barker, G., **DALY, P.**, Cole, F., Lloyd-Smith, L., Piper, P., Rabett, R. and Szabo, K. (2013). Archaeological Investigations in the Niah Caves, 1954 – 2003. In Barker, G. (ed.) *Rainforest Foraging and Farming in Island Southeast Asia: The Archaeology of the Niah Caves, Sarawak*. Cambridge: McDonald Institute for Archaeological

Research Monograph Series.

Gilbertson, D., McLaren, S., Stephens, M., Hunt, C., Rose, J., Dykes, A., Grattan, J., Bird, M., Lewis, H., Kealhofer, L., Banda, R., Badang, D., **DALY**, P., Rushworth, G., Thompson, G., Piper, P., and Rabett, R. (2013). The Cave Entrance Sequences and Environmental Change. In Barker, G. (ed.) *Rainforest Foraging and Farming in Island Southeast Asia: The Archaeology of the Niah Caves, Sarawak*. Cambridge: McDonald Institute for Archaeological Research Monograph Series.

DALY, P. (2012). Introduction: Unpacking the Challenges of Post-2004 Aceh. In P. Daly, R. Feener, and A. Reid (eds.) *From the Ground Up: Perspectives on Post-Tsunami and Post-Conflict Aceh*, Singapore: ISEAS Press

DALY, P. (2012) Pendahuluan: Mengungkap Tantangan Aceh Pasca-2004. In Daly, P. Feener, M. and Reid, A. *Bangkit Dari Debu: Multiperspektif tentang Aceh Pasca-Tsunami dan Pasca-Konflik*. Jakarta: KITLV Press

DALY, P. and Rahmayati, Y. (2012). Cultural Heritage and Community Recovery in post-tsunami Aceh. In P. Daly, R. Feener, and A. Reid (eds.) *From the Ground Up: Perspectives on Post-Tsunami and Post-Conflict Aceh*, Singapore: ISEAS Press

DALY, P. and Rahmayati, Y. (2012) Pusaka Budaya dan Pemulihan Komunitas di Aceh Pasca-Tsunami. In Daly, P. Feener, M. and Reid, A. *Bangkit Dari Debu: Multiperspektif tentang Aceh Pasca-Tsunami dan Pasca-Konflik*. Jakarta: KITLV Press

DALY, P. (2011). Fighting Modernity: Safeguarding and the Transmission of Intangible Cultural Heritage in Asia. In P. Daly & T. Winter (eds.) *The Routledge Handbook of Heritage in Asia*, London: Routledge

DALY, P. and Brassard, C. (2011). Aid Accountability and Participatory Approaches in Post-Disaster Housing Reconstruction. *Asian Journal of Social Science* 39: 508 - 533

Winter, T. and **DALY**, P. (2011). Heritage in Asia: Converging Forces, Conflicting Values. In P. Daly & T. Winter (eds.) *The Routledge Handbook of Heritage in Asia*, London: Routledge

DALY, P. (2010) Placing Excavations in a Digital Landscape: Towards Holistic Regional Analysis. In R. Salisbury (ed.) *Reimagining Regional Analyses* Cambridge: Cambridge Scholars Press

Newson, P., Barker, G., **DALY**, P., Mattingly, D. and Gilbertson, D. (2008). The Wadi Faynan field systems. In: G. Barker, D. Gilbertson, D. Mattingly, (eds.), *Archaeology & Desertification: The Wadi Faynan Landscape Survey, southern Jordan*, CBRL & Oxbow Books, Oxford

Newson, P., Mattingly, D., **DALY**, P., Tomber, R., el-Rishi, H., Gilbertson, D., Grattan, J., Hunt, C., McLaren, S., and Pyatt, B. (2008). The Islamic and Ottoman Periods. In G. Barker, D. Gilbertson, D. Mattingly, eds. *Archaeology & Desertification: The Wadi Faynan Landscape Survey, southern Jordan*, CBRL & Oxbow Books, Oxford

Palmer, C. Smith, H. and **DALY**, P. (2008). Ethnoarchaeology In G. Barker, D. Gilbertson, D. Mattingly, (eds.), *Archaeology & Desertification: The Wadi Faynan Landscape Survey, southern Jordan* CBRL & Oxbow Books, Oxford

Barker, G., Barton, H., Bird, M., **DALY**, P., Datan, I., Dykes, A., Farr, L., Gilbertson, D., Harisson, B., Hunt, C., Higham, T., Kealhofer, L., Krigbaum, J., Lewis, H., McLaren, S., Paz, V., Pike, A., Piper, P., Pyatt, B., Rabett, R., Reynolds, T., Rose, J., Rushworth, G., Stephens, M., Stringer, C., Thompson, J., and Turney, C. (2007). The 'human revolution' in lowland tropical Southeast Asia: the antiquity and behavior of anatomically modern humans at Niah Cave (Sarawak, Borneo). *Journal of Human Evolution* 52: 243 – 261

Barker, G., **DALY**, P., and Newson, P. (2006). Impacts of imperialism: Nabataean, Roman and Byzantine landscape in the Wadi Faynan, southern Jordan. In E. C. Robertson, J. D. Seibert, D. C. Fernandez, and M. U. Zender (eds.) *Space and Spatial Analysis in Archaeology*. Albuquerque, University of New Mexico Press, and Calgary, University of Calgary Press.

Lock, G., Gosden, C., **DALY**, P. (2005) The fourth season of excavations at Manor Farm, Marcham/Frillford, Oxfordshire. *South Midlands Archaeology*

DALY, P. and Evans, T. (2005). Archaeological theory for a digital past: an Introduction. In T. Evans and P. Daly

(eds.) *Digital Archaeology*. London: Routledge Press

Palmer, C. and **DALY**, P. (2005). Jouma's House: Bedouin and digital archaeology. In T. Evans and P. Daly (eds.) *Digital Archaeology*. London: Routledge Press

DALY, P. and Lock, G. (2004). Time, Space, and Landscape Archaeology: Constructing Connections in the 1st Millennium BC. In Goodchild, M. and Janelle, D. (eds.) *Spatially Integrated Social Science: Examples in Best Practice* Oxford: Oxford University Press

Barker, G., Barton, H., Bird, M., Cole, F., **DALY**, P., Dykes, A., Farr, L., Gilbertson, D., Higham, T., Hunt, C., Knight, S., Kurui, E., Lewis, H., Lloyd-Smith, L., Manser, J., McLaren, S., Menotti, F., Piper, P., Pyatt, B., Rabett, R., Reynolds, T., Shimmin, J., Thompson, G., and Trickett, M. (2004). The Niah Cave Project: The Fourth (2003) Season of Fieldwork. *Sarawak Museum Journal*

Lock, G., Gosden, C. **DALY**, P. and Griffiths, D. (2004). The third season of excavations at Manor Farm, Marcham/Frilford, Oxfordshire. *South Midlands Archaeology*

Barker, G., Barton, H., Bird, M., Cole, F., **DALY**, P., The Earl of Cranbrook, Gilbertson, D., Hunt, C., Krigbaum, J., Lewis, H., Lloyd-Smith, L., Manser, J., Menotti, F., Paz, V., Piper, P., Pyatt, B., Rabett, R., Reynolds, T., Stephens, M., Trickett, M., and Whittaker, P. (2003). The Niah Cave Project: The Third (2002) Season of Fieldwork. *Sarawak Museum Journal* 57 (NS 78): 88-177

Barker, G., Barton, H., Beavitt, P., Bird, M., **DALY**, P., Doherty, C., Gilbertson, D., Hunt, C., Krigbaum, J., Lewis, H., Manser, J., McLaren, S., Paz, V., Piper, P., Pyatt, B., Rabett, R., Reynolds, T., Rose, J., Rushworth, G., and Stephens, M. (2003). Prehistoric foragers and farmers in southeast Asia: renewed investigations at Niah Cave, Sarawak. *Proceedings of the Prehistoric Society* 68: 147 - 164

Lock, G., Gosden, C. Griffiths, D. and **DALY**, P. (2003). Hillforts of the Ridgeway Project: excavations at Marcham/Frilford 2002. *South Midlands Archaeology*, 33, pp.84-91.

Barker, G., Badang, D., Barton, H., Beavitt, P., Bird, M., **DALY**, P., Doherty, C., Gilbertson, D., Hunt, C., Manser, J., McLaren, S., Paz, V., Pyatt, B., Reynolds, T., Rose, J., Rushworth, G., and Stephens, M. (2002). The Niah Cave Project: The Second (2001) Season of Fieldwork. *Sarawak Museum Journal* 56 (NS 77): 37 - 119

Lock, G., Gosden, C. Griffiths, D., **DALY**, P., Trifkovic, V. and Marston, T. (2002). Hillforts of the Ridgeway Project: excavations at Marcham/Frilford 2001. *South Midlands Archaeology*, 32, pp.69-83.

Tschan, A and **DALY**, P. (2000). Is there such a thing as 'Computer Archaeology'? In Lock, G. (ed.) *On the Theory and Practice of Archaeological Computing*. Oxford Committee for Archaeology Monograph

Barker, G. W., R. Adams, O. H. Creighton, P. **DALY**, D. D. Gilbertson, C. O. Hunt, D. J. Mattingly, S. J. McLaren, P. Newson, C. Palmer, F. B. Pyatt, T. E. G. Reynolds, H. Smith, R. Tomber, and A. J. Truscott. (2000). Environment and land use in the Wadi Faynan, southern Jordan: the fourth season of geoarchaeology and landscape archaeology. *Levant*
DALY, P. and Frachetti, M. (2000). The GIS of Early Åland: Spatial Analysis Applying the Arc/Info Method in an Archipelago in South Western Finland. In Lockyear, C. and Birliba, V. (eds.) *Proceedings of the 24th CAA conference held at the Institute of Archaeology and the Al.I.Cuza University, Iasi, Romania 25-27th March 1996* BAR International.

DALY, P. and Lock, G. (1999). Timing is Everything: Commentary on Managing Temporal Variables in Geographic Information Systems. In J. Barcelo (ed.) *Computer Applications in archaeology Conference Proceedings 1998, Barcelona* BAR International: London

Lock, G. and **DALY**, P. (1999). Looking at Change, Continuity, and Time in a GIS: An Example from the Sangro Valley, Italy. In J. Barcelo (ed.) *Computer Applications in archaeology Conference Proceedings 1998, Barcelona* BAR International: London

Zubrow, E. and **DALY**, P. (1999). The Origins of Symbolic Behavior: A Spatial Perspective. In C. Renfrew and C. Scarre (eds.) *Cognition and Material Culture*. McDonald Institute Monograph

Zubrow, E., Nunez, M., **DALY**, P., Frachetti, M., Trella, P., Chestnut, D., Mitchell, P., Niskanen, K., Rajala, A., & Thurston, E. (1999). Archaeological survey of the Finnish-Russian Border and the Oulanka River Valley. *Oulanka*

Reports 20.

DALY, P. and Zubrow, E. (1997). Evolution and Spatial Symbolic Behavior in M. Shafto & P. Langley (eds.) *Proceedings of the Nineteenth Annual Conference of the Cognitive Science Society*, Lawrence Erlbaum Associates

Nunez, M., Okkonen, J., **DALY, P.** & Frachetti, M. (1997). GIS where elevation is a function of time. In I. Johnson (ed.) *UISPP World Congress, Forli, Italy Proceedings 1996*

CONFERENCES AND LECTURES

Conferences and Workshops Organized

Panel moderator

Religion and the Politics of Development: Priests, Potentates and “Progress”

28 – 29 August 2013

Asia Research Institute, National University of Singapore

Co-organizer

Salvage and Salvation: Religion, NGOs, and Post-disaster Reconstruction

November 2012

Asia Research Institute, National University of Singapore

Panel organizer/moderator

2nd Annual Asia Public Policy Forum “Disaster Management in Asia”

Kennedy School of Government, Harvard University and Lee Kwan Yew School of Public Policy, National University of Singapore

May 13 – 15 2012

Co-Organizer with Dr. Tim Winter, University of Sidney, Associate Professor Johannes Widodo, NUS

Back to the Future: Heritage and Sustainability

March 13 – 15, 2009

Tun Tan Cheng Lock Research Centre for Architecture and Urban Heritage, Melaka, Malaysia

Co-Organizer International Conference with Dr. Tim Winter, University of Sidney,

Converging Forces, Conflicting Values: Rethinking Heritage in Asia

January 8 – 9, 2009

Asia Research Institute, National University of Singapore

Co-Organizer with Dr. Michelle Miller, NUS

International Symposium on Ethnic Minorities in Asia: Subjects or Citizens?

June 25 – 26, 2009

Asia Research Institute, National University of Singapore

Co-Organizer with Professor Anthony Reid & Professor Michael Feener, NUS

First International Conference for Aceh and Indian Ocean Studies.

24th – 27th February 2007. Banda Aceh, Indonesia

Co-organizer Session **Archaeological Theory for a Digital Past**

Theoretical Archaeological Group,

Oxford Dec. 18-20th, 2000

Conference Papers/Lectures Presented

DALY, P., Ismail, N., Syamsidik, Horton, B., Zubrow, E., & Frachetti, M. Implications of the recurrence of paleotsunami events in the eastern Indian Ocean for theorizing temporal scales of societal resilience.

AIWEST – DR 2024 Conference & 8th Annual Meeting of Indonesian Disaster Experts Association.

Banda Aceh, Indonesia, 8 – 9 November 2024.

Majewski, J., **DALY, P.**, Switzer, A., Ismail, N., Afrizal, T., Christie, M., Pilarczyk, J., Horton, B. Revealing the

paleotsunami heritage of Sumatra: Insights from Susoh and beyond.
AIWEST – DR 2024 Conference & 8th Annual Meeting of Indonesian Disaster Experts Association.
Banda Aceh, Indonesia, 8 – 9 November 2024.

Majewski, J., **DALY, P.**, Richards, G., Switzer, A., Ismail, N., Afrizal, T., Christie, M., Pilarczyk, J., Horton, B. Sedimentary Evidence for Paleotsunami South of the 2004 Indian Ocean Tsunami Inundation Zone. XXI INQUA Congress, Rome 13 – 20 July 2023

Chapkanski, R., Majewski, J., **DALY, P.**, Horton, B., Switzer, A., Ismail, N., Lavigne, F., Goiran, JP, Sieh, K. Deciphering high energy wave-induced sediment deposits using spectroscopic techniques. XXI INQUA Congress, Rome 13 – 20 July 2023

Majewski, J., Richards, G., **DALY, P.**, Switzer, A., Ismail, N., Afrizal, T., Christie, M. & Horton, B. Extending the paleo-tsunami record along the west coast of Sumatra, Indonesia: 2022 Update. EGU 2022 19 – 30 April 2022

Majewski, J., **DALY, P.**, Switzer, A., Ismail, N., Afrizal, T., & Horton, B. Extending the paleo-tsunami record along the west coast of Sumatra, Indonesia. EGU 2021 19 – 30 April 2021

Majewski, J., Ismail, N., **DALY, P.**, Switzer, A., Afrizal, T. & Horton, B. Paleo-tsunami research along the west coast of Sumatra, Indonesia: Science in the Covid-19 Pandemic. AGU Fall Meeting 2020. (virtual)

Ninglekhu, S., **DALY, P.**, & Hollenbach, P. Reclaiming Newar urbanism: heritage and its discontents. Epicentre to Aftermath: Political, Social and Cultural Impacts of Earthquakes in South Asia. SOAS January 10 – 11 2019 London,

McCaughey, J., Feener, R. M., Mundzir, I., Hayatullah, H., **DALY, P.** Finding the right metrics of vulnerability: correct and incorrect simplifications of behavioral factors. EGU General Assembly April 2018 Vienna, Austria

DALY, P., Sieh, K., Tai, Y. S., McKinnon, E. E., Feener, R. M. & Ismail, N. Early-Ming era tsunami destruction along the Northern coast of Aceh, Indonesia: New evidence from archaeology. 2017 AGU Fall Meeting. December 2017 New Orleans, USA.

DALY, P., Sieh, K., Tai, Y. S., McKinnon, E. E., Feener, R. M. & Ismail, N. Interaction of Geohazard and Settlements through the past millennium, Banda Aceh, Indonesia. 2017 AGU Fall Meeting December New Orleans, USA.

McKinnon, E. E., Tai, Y. S., **DALY, P.**, and Feener, R. M. *Confirmation of the discovery of ancient Lamri in a coastal village in Aceh Besar, Indonesia: Preliminary analysis of ceramics and other data.* International Conference of the European Association of Southeast Asian Archaeologists Poznan, Poland 3 – 7 July 2017

Tai, Y. S., McKinnon, E. E., **DALY, P.**, and Feener, R. M. *Ceramics found in Aceh.* International Conference of the European Association of Southeast Asian Archaeologists Poznan, Poland 3 – 7 July 2017

McCaughey, J, Mundzir, I, Patt, A, Rosemary, R, Safrina, L, Mahdi, S, and **DALY, P.** *Social acceptance of unnecessary evacuation.* European Geosciences Union General Assembly Vienna, Austria 23 – 28 April 2017

Tai, Y. S., McKinnon, E., & **DALY, P.** *Zhangzhou ceramics found in Aceh, Indonesia.* Maritime Silk Road and Chinese Historical Sites: International Academic Seminar of Dong Xi Kiln Sites Nanjing County, Zhangzhou City, China. 17 – 20 March 2017

DALY, P., Hollenbach, P., Ninglekhu, S., and Duyne Barenstein, J. *Social Justice, Governance and Aid: The contested reconstruction of urban settlements in post-2015 earthquake Nepal.* Disaster Justice in Anthropocene Asia and the Pacific. Asia Research Institute, National University of Singapore. 17 – 18 November 2016

Duyne Barenstein, J, Hollenbach, P, **DALY, P.** and Ninglekhu, S. *Inclusive Urban Reconstruction in Nepal Through Community Based Reconstruction Committees Pathways to Transformation – Research Fair on the Agenda 2030 Building Bridges Between Research, Policy, and Practice.* Zurich, Switzerland. 9 November 2016

McCaughey, J, **DALY, P.**, Mundzir, I, Mahdi, S, and Patt, A. *Rebuilt risk: involuntary return, voluntary migration, and socioeconomic segregation in post-tsunami Aceh.* Global Risk Forum International Disaster and Risk Conference Davos, Switzerland 28 August - 1 September 2016

- McCaughey, J, Mundzir, I, Patt, A, Rosemary, R, Safrina, L, Mahdi, S, and **DALY, P.** *Social acceptance of unnecessary evacuation.* Global Risk Forum International Disaster and Risk Conference Davos, Switzerland 28 August - 1 September 2016
- McCaughey, J, Mundzir, I, **DALY, P,** Mahdi, S, and Patt, A. *Distrust of tsunami Vertical evacuation buildings.* Global Risk Forum International Disaster and Risk Conference. Davos, Switzerland. 28 August - 1 September 2016
- McCaughey, J, **DALY, P,** Mundzir, I, Mahdi, S, and Patt, A. *Rebuilt risk: involuntary return, voluntary migration, and socioeconomic segregation in post-tsunami Aceh.* International Geographical Congress. Beijing, China 21-25 August 2016
- McCaughey, J, **DALY, P,** Mundzir, I, Mahdi, S, and Patt, A. *Rebuilt risk: involuntary return, voluntary migration, and socioeconomic segregation in post-tsunami Aceh.* European Geosciences Union General Assembly. Vienna, Austria 17-22 April 2016
- DALY, P.** Using archaeology, history and geology to study the occurrence and impact of tsunami in the eastern Indian Ocean: a case from Aceh, Indonesia. Invited Lecture. Texas A & M University at Qatar. 21 October 2015
- DALY, P.** Is it possible to ‘build back better’ in post-disaster situations? Sustainability, capacity and change in Aceh, Indonesia ten years after the 2004 Indian Ocean tsunami. Invited Lecture. Department of Environmental Systems Science, ETH Zurich. 16 October 2015
- DALY, P.** The Aftermath of Aid Project: Assessing Safety and Sustainability in Aceh, Indonesia a decade after the 2004 tsunami. Invited Keynote Lecture. The 5th Annual International Conference Syiah Kuala University. 9 September 2015
- DALY, P.** The Aftermath of Aid Project: Assessing Safety and Sustainability in Aceh, Indonesia a decade after the 2004 tsunami. Dept. of Engineering, University of Auckland. 25 February 2015
- DALY, P.** Humanitarian emergencies as ‘opportunities for change? Life in Aceh, Indonesia ten years after the 2004 Indian Ocean Tsunami. Dept. of Development Studies, University of Auckland. 26 February 2015
- McCaughey, J., Dewi, P., Mundzir, I., Rosemary, R., Safrina, L., **DALY, P.,** and Patt, A. *The Science between tsunami science and evacuation decisions.* American Geophysical Union Fall Meeting. San Francisco, USA. December 2014
- Hilmasari, L. & **DALY, P.** *Modifications and Alterations to post-disaster housing in Banda Aceh, Indonesia.* International Center for Aceh and Indonesia Ocean Studies Conference. November 2014
- Muhammad, S., Mahdi, S. and **DALY, P.** *The Effectiveness and Sustainability of Livelihood Asset Replacement in Post-Tsunami Banda Aceh.* International Center for Aceh and Indonesia Ocean Studies Conference. November 2014
- Hill, E., Qiu, Q., Feng, L., Meltzner, A. **DALY, P.,** McCaughey, J., Briggs, R., Barbot, S., Lubis, A., Banerjee, P., Natawidjaja, D., Sieh, K. *Tectonic sea-level change in South East Asia: Geodetic models, coastal changes, and human responses.* UNAVCO Science Workshop, Broomfield, Colorado. 4 – 6 March 2014
- Rubin, C., Horton, B., Sieh, K. Pilarczyk, J., Hawkes, A., **DALY, P.,** Kelsey, H., McKinnon, E., Ismail, N., Daryono, M. *Recurrence of Great Earthquakes and Tsunamis, Aceh Province, Sumatra.* AGU Fall Meeting. San Francisco, USA. December 2013
- Sieh, K., **DALY, P.,** McKinnon, E., Chiang, H., Pilarczyk, J., Daryono, M., Horton, B., Shen, C., Rubin, C., Ismail, N., & Kelsey, H. *Twin Predecessors of the 2004 Indian Ocean Tsunami: Implications for Rebuilt Coastal Communities.* American Geophysical Union Fall Meeting. San Francisco, USA. December 2013
- Pilarczyk, J., Rubin, C., Sieh, K., Horton, B., **DALY, P.,** & Ismail, N. *Predecessors of the 2004 Indian Ocean Tsunami in a Coastal Cave in Aceh Province, Sumatra.* AGU Fall Meeting. San Francisco, December 2013
- Hill, E., Qiu, Q., Feng, L., Lubis, A., Meltzner, A., **DALY, P.,** Tsang, L., McCaughey, J., Banerjee, P., Rubin, C., & Sieh, K. *The Dynamic Nature of Relative Sea Level in Southeast Asia: Tectonic Effects and Human Impacts.* American Geophysical Union Fall Meeting. San Francisco, USA. December 2013

- DALY, P.** *Situating Acehnese NGO's and Civil Society in the Aftermath of the post-Tsunami Reconstruction*. 8th International Convention of Asian Scholars. Macau 24 – 27 June 2013
- DALY, P.** *Changing Approaches to Post-disaster Reconstruction in Asia Since the Second World War*. A Global History of Modern Humanitarian Action, East and Southeast Asia Regional Conference. Humanitarian Policy Group
Singapore 29 – 30 January 2013
- DALY, P.** *Recovery and Reconstruction in Post-Tsunami Aceh*. Invited Lecture – Earth Observatory of Singapore
Nanyang Technical University, Singapore
10 February 2012
- Kelsey, H., Horton, B., Rubin, C. **DALY, P.**, Grand Pre, C., Daryono, M., and Ismail, N. *Great Earthquakes and Tsunamis of the Northwestern Aceh Coast, Sumatra*. American Geophysical Union Fall Meeting. San Francisco, USA.
5 – 9 December 2011
- DALY, P.** and Hor, A. *Similar Events, Different Disasters: The relevance of the post-2004 tsunami reconstruction for Japan*. Annual International Workshop and on Sumatra Tsunami & South China Sea tsunami Workshop (SCSTW-4). Banda Aceh, Indonesia
22 – 23 November 2011
- DALY, P.** *Cultural Heritage in the Aftermath of Disaster: Lessons from post-tsunami Aceh, Indonesia*. Cultural Heritage Preservation in Crisis Areas Conference. The American Academy in Rome, Italy.
4 – 5 November 2011
- DALY, P.** Are Engineers Necessary in Humanitarian Situations? Invited speaker. Humanitarian Engineering Seminar, Institute of Engineers Singapore. National Library, Singapore.
28 July 2011
- DALY, P.** *Relevance of the 2004 Indian Ocean Tsunami for Japan: Initial Observations*
Presented at Lee Kuan Yew School of Public Policy, National University of Singapore
24 May 2011
- DALY, P.** *Cultural Heritage and Post-Disaster Recovery*
Department of Anthropology, Washington University of St. Louis.
September 21, 2010
- DALY, P.** and Brassard, C. *Aid Effectiveness and Beneficiary involvement in post-tsunami Aceh*. Presented at **9th ASEAN Inter-University Seminar on Social Development**
May 25 – 27, 2009 Banda Aceh, Indonesia
- DALY, P.** *Culture, Recovery and Reconstruction in Post-Tsunami Aceh*
Presented at **Converging Forces, Conflicting Values: Rethinking Heritage in Asia**
January 8 – 9, 2009
Asia Research Institute, National University of Singapore
- DALY, P.** & Rahmayati, Y. *The 'Cultural Past' in a post-disaster environment: 'Re-building' post-tsunami Aceh*
Presented at the international conference **Re-Examining Disaster, Recovery and Reconstruction: Social Science Perspectives on the Tsunami**.
14th & 15th January 2008, Jawaharlal Nehru University, New Dehli, India
- DALY, P.** *Cultural Heritage in Post-Disaster Aceh*
Presented at a seminar: **Social Reconstruction in Aceh: Three Perspectives**.
October 30th 2007
Asia Research Institute, National University of Singapore.
- DALY, P.** *Paradise When? Suicide Bombers and Paths of Resistance in the Palestinian Territories* – Invited Lecture, Cathay Picture House, Singapore, 10 May 2006.

DALY, P. *50 years of Archaeological field work at the Niah caves: unlocking the Harrison Archive.* Invited Lecture: Heritage Talk, Sarawak Museum, Malaysia. 2005.

DALY, P. *Recent Archaeological Investigations at Niah: Integrating Past and Present research.* Seminar - McDonald Institute for Archaeological Research, University of Cambridge. 2005.

DALY, P. and Cole, F. *Preliminary results from the analysis of the Niah Earthenware ceramics.* Working paper - Niah Cave Project Symposium 2005. University of Cambridge

DALY, P. *Assessing the Impact of Israeli 'Security' Measures upon higher education in the occupied Palestinian Territories.* Faculty of Arts and Science, An-Najah National University, Palestine. 2004.

DALY, P. *Layers as Practice: Socially Oriented Deposition in Later Prehistoric Oxfordshire.* Layers, Surfaces, and Interfaces: Apotropism and Memory as Material Practice. McDonald Institute of Archaeological Research, Cambridge, 4 November 2001.

Tschan, A. & **DALY, P.** *Is there such a thing as 'Computer Archaeology'?* World Archaeological Congress 4 January 1999, Cape Town, South Africa.

DALY, P., Gosden, C. & Lock, G. *Time and the Ridgeway.* Iron Age Seminar, November 1998, Sheffield, England

DALY, P., & Lock, G. *Time and Geographic Information Systems: Managing Temporal Variables in Spatial Environments.* Computer Applications in Archaeology, March 1998 Barcelona, Spain

Lock, G. & **DALY, P.** *Looking at Change, Continuity, and Time In a GIS: An Example from the Sangro Valley, Italy.* Computer Applications in Archaeology, March 1998 Barcelona, Spain

Zubrow, E., Nunez, M., Frachetti, M., & **DALY, P.** *The Finnish-Russian Border Archaeological Survey Project.* Poster presented at the Nordic Archaeology Conference, August 1998, Umeå, Sweden

Mitchell, P., **DALY, P.,** & Frachetti, M. *Modeling prehistoric settlement in an area of isostatic upheaval using ARC/INFO.* UCGIS Annual Assembly and Summer Retreat August 1997, Bar Harbor, Maine

Nunez, M., Okkonen, J., Frachetti, M. & **DALY, P.** *GIS in Coastal Finland: Where altitude is a function of time.* International Union of Protohistoric and Prehistoric Sciences, August 1996, Forli, Italy

DALY, P. & Frachetti, M. *GIS research in Northern Ostrobothnia.* Tutkijatapaaminen GIS – Analysis and Databases, April 1996, Turku, Finland

DALY, P. & Frachetti, M. *The GIS of Early Åland: Spatial Analysis Applying the Arc/Info Method in an Archipelago in South Western Finland.* March 1996 Iasi, Romania

GRANTS AND RESEARCH DEVELOPMENT (Listing back to 2009)

(2024) Co-PI. *Modelling scales of societal resilience to concurrent shocks in the Asia-Pacific (APAC) region.* US Department of Defence Minerva Research Initiative. Amount Requested: \$1,960,750 USD over three years.

(2022) Collaborator. *Impacts of spatially and temporally varying sea level on historic trading ports and routes in Asia.* AcRF, Ministry of Education, Singapore. \$197,600 SING Awarded over 3 years. [c. \$145,846 USD]

(2022) Collaborator *Developing multi-disciplinary observations and novel datasets across the humanities and geosciences to address cyclone risk in northeast India.* AcRF, Ministry of Education, Singapore. \$198,000 SING Awarded over 3 years. [c. \$88,570 USD]

(2020) Co-Principal Investigator. *The Maritime Asia Heritage Survey.* Arcadia Foundation. \$6,500,000 USD

Awarded over 5 years [2020 – 2025]

(2020) Principal Investigator. *Assessing perceptions of risk and the cost-benefit of COVID-19 mitigation measures in Singapore*. Earth Observatory of Singapore. \$66,535 SING Awarded over 1 year. [c. \$50,068 USD]

(2020) Co-Principal Investigator. *A Paleo-seismic record of repeated great earthquakes on the Sunda Megathrust, Sumatra*. Earth Observatory of Singapore. \$994,809 SING Awarded over three years. [c. \$748,607 USD]

(2019) Collaborator. *Metrics to monitor post-disaster recovery using remote and field-based methods*. Earth Observatory of Singapore. \$339,423 SING Awarded over 3 years. [c. \$255,420 USD]

(2019) Co-Principal Investigator. *Assessing the potential for paleo-environmental studies in the Maldives*. Earth Observatory of Singapore. \$48,260 SING Awarded for 1 year. [c. \$36,316 USD]

(2018) Co-Principal Investigator. *Improvements in the Paleo-tsunami Record Along the Aceh coast of Sumatra*. Earth Observatory of Singapore. \$524,106 SING Awarded over 2 years. [c. \$394,396 USD]

(2017) Co-Principal Investigator. *Endangered Heritage and Environment in the Maldives Survey*. Arcadia Foundation 500,000 pounds sterling Awarded over 2 years. [c. \$676,800 USD]

(2017) Principal Investigator. *Aid governance, resilience, and community-driven reconstruction in urban settlements in the Kathmandu Valley following the 2015 earthquake*. Earth Observatory of Singapore. \$294,400 SING Awarded over 3 years. [c. \$221,540 USD]

(2017) Principal Investigator. *Natural Hazards and Society in Asia (NHSA) Post-doctoral Fellowship Program*. Earth Observatory of Singapore. \$500,000 SING Awarded over 2 years. [c. \$376,258 USD]

(2017) Co-Principal Investigator. *Does the demise of medieval Angkor offer lessons for the sustainability of modern societies? Proposal for a collaborative archaeological and geological investigation*. Earth Observatory of Singapore \$300,000 SING Awarded over 1 year. [c. \$225,754 USD]

(2015) Co-Principal Investigator. *Towards an inclusive urban reconstruction policy development in Nepal* IIED 29,875 GBP Awarded over 1 year [c. \$40,434 USD]

(2015) Principal Investigator. *Aftermath of Aid – Analysis and Publication Phases*. Earth Observatory of Singapore. \$141,200 SING Awarded over 1 year [c. \$106,245 USD]

(2015) Principal Investigator. *Interaction of Geohazards and Settlements through the Past Millennium, Banda Aceh, Indonesia*. Earth Observatory of Singapore. \$383,760 SING Awarded over 3 years [c. \$288,758 USD]

(2013) Co-Principal Investigator. *Science-Society Engagement in Aceh: An evidence-based approach to inform disaster mitigation decisions with hazard science*. Earth Observatory of Singapore. \$211,500 SING Awarded over 2 years [c. \$159,142 USD]

(2013) Co-Principal Investigator. *Paleo-tsunami history of northwestern Aceh Province, Sumatra, Indonesia*. Earth Observatory of Singapore. \$91,722 SING Awarded for 1 year [c. \$69,015 USD]

(2013) Principal Investigator. *The Aftermath of Aid: Assessing the Effectiveness and Sustainability of Post-Disaster reconstruction in Aceh, Indonesia*. Earth Observatory of Singapore. \$ 525,000 SING Awarded over 3 years [c. \$395,033 USD]

(2012) Co-Principal Investigator. *Paleo-tsunami history of northwestern Aceh Province, Sumatra, Indonesia* Earth Observatory of Singapore. Earth Observatory of Singapore. \$130,000 SING Awarded over 2 years [c. \$97,817 USD]

(2011) Principal Investigator. *Urban Planning and Disaster Resilience: Changing practices following the 1990 Baguio City Earthquake Disaster*. AcRF Tier 1 Grant, National University of Singapore. \$14,177.60 SING Awarded over 1 year [c. \$10,667 USD]

(2011) Co-Principal Investigator. *A Geoarchaeological and Paleoseismic Investigation of Ancient Tsunamis, Northern Sumatra, Indonesia*. Earth Observatory of Singapore. \$83,230 SING Awarded over 2 years [c. \$62,626 USD]

- (2011) Co-Principal Investigator. *Nias Island Assessment of Social and Ecological Change*. Planet Action. \$27,000 USD Awarded over 1 year
- (2011) Principal Investigator: *Positioning the Deep Past within Palestinian Narratives of Nation*. AcRF Tier 1 Grant, National University of Singapore. \$7,750 SING Awarded over 1 year [c. \$5,831 USD]
- (2010) Co-Principal Investigator. *A preliminary Investigation of the history of tsunami and seismic activity in Northern Sumatra*. Earth Observatory of Singapore. \$86,294 SING Awarded for 1 year [c. \$64,931 USD]
- (2009) Co-Principal Investigator. *Coastline loss and the socio-environmental impact of displaced communities: Correlating environmental catalysts for shoreline change with human responses*. McDonnell Academy Global Energy and Environment Partnership, Washington University. \$39,950 USD Awarded over 1 year
- (2008) Principal Investigator: *Back to the Future: Heritage and Sustainability*. ARI Conference and Research Grant Fund, National University of Singapore. \$5,000 SING Awarded for event [c. \$3,762 USD]
- (2008) Principal Investigator: *Culture, Transformation, and Development: Contested Lynchpins of Relief and Reconstruction*. ARI Conference and Research Grant Fund, National University of Singapore. \$3,980.00 SING Awarded for 1 year [c. \$2,994 USD]
- (2008) Principal Investigator: *Religious Heritage and Conflict – Shared and Contested Religious Heritage Sites in Nablus, Palestine*. ARI Conference and Research Grant Fund, National University of Singapore. \$4,982 SING Awarded for 1 year [c. \$4,982 USD]
- (2008) Principal Investigator: *Converging Forces, Conflicting Values: Rethinking Heritage in Asia* ARI Conference and Research Grant Fund, National University of Singapore. \$22,000 SING Awarded for event [c. \$16,553 USD]
- (2007) Principal Investigator: *Aceh Prehistory Project: A preliminary exploration of Human and Seismic activity during the later Pleistocene and Holocene in Northern Sumatra*. ARI Conference and Research Grant Fund, National University of Singapore. 18,050 SING Awarded for 1 year [c. \$13,581 USD]
- (2007) Co-Principal Investigator. *A comparative assessment of community rehabilitation and decentralization in Post-Tsunami Aceh*. ARI Conference and Research Grant Fund, National University of Singapore. \$9,510 SING Awarded for one 1 year [c. \$7,155 USD]
- (2006) Co-Principal Investigator. *The First International Conference for Aceh and Indian Ocean Studies* Reconstruction and Rehabilitation Agency for Aceh and Nias (BRR) Indonesia. \$307,000 SING Awarded [c. \$231,000 USD]
- (2004) Principal Investigator: *An analysis of the earthenware ceramics from the secondary cave mouths at the Niah Cave complex, Sarawak, East Malaysia*. D. M. McDonald Grants and Awards Fund, McDonald Institute for Archaeological Research, University of Cambridge 6,250 pounds sterling awarded [c. \$8,460 USD]
- (2004) Principal Investigator. *A comparative analysis of the Neolithic ceramics from the Niah Cave West Mouth Cemetery, Sarawak, East Malaysia*. British Academy for the Reckitt Traveling Fellowship in Archaeology. 19,950 pounds sterling Awarded [c. \$27,005 USD]
- (1997) Co-Principal Investigator. *High Risk Exploratory Research: Archaeological Survey Along the Northern Finnish Russian Border*. National Science Foundation. \$20,000 USD Awarded
- (1997) Co-Principal Investigator SUN Microsystems Academic Equipment Grant. Submitted through the Archaeology GIS Laboratory at the Department of Anthropology, State University of New York at Buffalo. \$56,000 USD Awarded
- (1997) Co-Principal Investigator SUN Microsystems Academic Equipment Grant. Submitted through the Institute of Archaeology, University of Oxford. 40,000 Pound Sterling Awarded [c. \$54,145 USD]

TEACHING

Nanyang Technological University

1) Climate Change

National University of Singapore

1) The Politics of Heritage

2) Disasters and Responses

3) Environment and Society

4) Creating Reality Through Non-Fiction Film

An – Najah National University, Palestine

1) Introduction to Archaeology

2) Introduction of Cultural Anthropology

3) World Prehistory

4) Survey and Technical Illustration for Archaeologists

5) Material Culture Studies

6) Cultural Heritage, Politics, and Conflict

University of Oxford

Oxford Archaeology & Anthropology archaeological field school

GRADUATE STUDENTS SUPERVISED

Monica Smith, PhD Dept. of Geography, National University of Singapore.

Title: *Construction of sexuality and Desire: Sri Lankan domestic migrant workers in Lebanon*

Yenny Rahmayati, PhD School of Design and Environment, National University of Singapore

Title: *Disaster and Reconstruction: Social-Cultural Impacts on Domestic and Urban Space Typology and Morphology*

Jamie McCaughley, PhD Division of Human-Environment Systems, ETH Zurich.

Title: *Perceptions of Risk in Post-Tsunami Aceh, Indonesia*

Cut Dewi, PhD The Australian National University

Title: *Heritage Planning in Banda Aceh after the 2004 Tsunami Disaster: Examining the Role of Public Architecture Heritage*

UNIVERSITY SERVICE

- Management Board: Earth Observatory of Singapore
- Steering Committee NUS Faculty of Arts and Social Science Environmental Studies Research Cluster
- Editorial Board – International Journal of Heritage Studies
- University Town Academic Taskforce: Third Module
- Co-coordinator ASEAN Graduate Forum, National University of Singapore
- Asia Research Institute Social Committee 2005 - present
- Asia Research Institute Steering Committee 2006 – 2007
- Asia Research Institute Seminar Committee 2005 – 2007

MERITS AND AWARDS

- NUS Annual Teaching Excellence Award 2013; 2014
- NUS Faculty Teaching Excellence Award 2011; 2012; 2013
- British Academy Research Fellowship 2004
- Oxford University Overseas Research Award 1997 to 2001