

# THONG ANH TRAN

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## EDUCATION

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Jul 2017	Ph.D., Human Ecology, The Australian National University, Canberra, Australia. Doctoral thesis titled: <i>"Flood governance in the Mekong Delta of Vietnam: Implications of social learning for household and institutional adaptation"</i>
Aug 2007	M.A., Conflict Transformation, Eastern Mennonite University, Virginia, the United States
May 1999	B.Sc., Education, Can Tho University, Can Tho, Vietnam

## EMPLOYMENT HISTORY

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**The University of Melbourne** **Australia**  
Research Fellow (Human Geography) *Aug 2022-present*

- Participated in the ACIAR-funded [Next-Gen Agricultural Extension project](#) in Northwest Cambodia (Battambang and Pailin provinces), focusing on social relations and their implications for agricultural extension practices
- Partnering with the National University of Battambang (NUBB) for joint lecturing and project implementation

**Fulbright University Vietnam** **Vietnam**  
Research Fellow (Environmental Resilience) *Mar 2022-Dec 2022*

- Participated in the Natural Capital Management (NCM) project focusing on environmental sustainability, water governance, livelihood resilience and agricultural transformation in the Vietnamese Mekong Delta
- Engaged in policy analysis and advocacy across governance scales
- Facilitated policy change for sustainable development of the Vietnamese Mekong Delta

**The Australian National University** **Australia**  
Honorary Lecturer *Jun 2021-present*

- Led a SEARCA-funded project "Freshening the Mekong Delta's salinity zones: Implications of the Ba Lai irrigation scheme for coastal agro-ecosystems and household adaptation in Ben Tre Province" in collaboration with Professor Jamie Pittock, Fenner School of Environment and Society (FSES), College of Science, the ANU
- Engaged in academic and research activities at FSES

**National University of Singapore** **Singapore**  
Research Fellow *Jan 2018-May 2021*

- Led the work package on Water/Hydropower of the Singapore Ministry of Education's Social Science Research Council (SSRC) research grant titled "Sustainable governance of transboundary environmental commons in Southeast Asia" co-investigated by Professor David Taylor (Department of Geography, National University of Singapore, Singapore) and Professor Jonathan Rigg (School of Geographical Sciences, University of Bristol, the UK), Asia Research Institute (ARI), National University of Singapore
- Coordinated with regional collaborators in Lao PDR (IWMI – International Water Management Institute), Thailand (Chulalongkorn University), and Vietnam (An Giang University) in undertaking the research project and producing project deliverables

- Led research projects on climate change adaptation, water governance, sustainable development, rural transformation, and agrarian change
- Engaged with stakeholders in channeling climate change information, rural extension services, and resource support to affected communities towards rural transformation in the Mekong region

## RESEARCH INTERESTS

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- (Transboundary) water governance
- Climate change adaptation
- Livelihood resilience
- Agrarian transition
- Human-environment relations
- Climate and development in mainland Southeast Asia

## PUBLICATIONS

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### Peer-Reviewed Articles

Tran, T. A., and Pittock, J. (2024) 'When water policies derail livelihood aspirations: Farmers' agency in everyday politics in the Vietnamese Mekong Delta', *Environmental Sociology*, 1–12.

Falk, J., Gleick, P. H., Asayama, S., Attig-Bahar, F., Behera, S., von Braun, J., Colwell, R. R., Chapagain, A. K., El-Beltagy, A. S., Kennel, C. F., Kimoto, M., Koike, T., Konde, A. A., Koundouri, P., Abd-Elmabod, S. K. M., Lal, R., Lee, Y. T., Murray, C. A., Nangia, V., Sapkota, A., Saijo, T., Serageldin, I., Soussana, J.-F., Takara, K., Takeuchi, K., Tran, T. A., Victor, D., Watanabe, C., Wheeler, K. and Yasunari, T. (2024) 'Critical hydrologic impacts from climate change: Addressing an urgent global need', *Sustainability Science*, 19(1), 241–244.

Cook, B. R., Satizábal, P., Touch, V., McGregor, A., Diepart, J. C., Utomo, A., Harrigan, N., McKinnon, K., Pao, S., Tran, T. A., and Babon, A. (2024) 'Historical agrarian change and its connections to contemporary agricultural extension in Northwest Cambodia', *Critical Asian Studies*, 56(1), 25–52.

Le, V. T. H., Tran, T. A.\*, and Rola-Rubzen, F. (2023) 'How subjectivities and subject-making influence community participation in climate change adaptation: The case of Vietnam', *Climatic Change*, 176(156), 1–23.

Bayrak, M. M., Tran, H. V., Tran, T. A., Hsu, Y. Y., Nien, T., and Dang, Q. T. T. (2023) 'Rethinking environmental migration in the Mekong Delta: Local perspectives from rural households in An Giang Province, Vietnam', *Humanities and Social Sciences Communications*, 10(1), 344.

Tran, T. A., and Cook, B. R. (2023) 'Water retention for agricultural resilience in the Vietnamese Mekong Delta: Towards integrated 'grey-green' solutions', *International Journal of Water Resources Development*, 1–22.

Keovilignavong, O., Tran, T. A., and Bounyasouk, T. (2023) 'Tea farming communities' perceptions of Fairtrade and COVID-19 in Phongsali district of Laos', *Community Development*, 54(2), 271–291.

Tran, D. D., Park, E., Tran, T. A.\*, Vo, T. T., and Le, P. T. (2023) 'Socio-hydrological trade-offs arising from triple cropping in the Vietnamese Mekong Delta: Revisiting environmental impacts and adaptation pathways', *Environmental Technology and Innovation*, 29, 102987.

Tran, T. A., Rigg, J., Taylor, D., Miller, M. A., Pittock, J., and Le, P. T. (2022) 'Social memory in the Mekong's changing floodscapes: Narratives of agrarian communities' adaptation', *Human Ecology*, 50(5), 879–893.

Tran, T. A., Tran, H. V., Pittock, J., and Cook, B. R. (2022) 'Political ecology of freshening the Mekong's coastal delta: Narratives of place-based land-use dynamics', *Journal of Land Use Science*, 17(1), 471–486.

McCall, G. S., Akpan, A., Banaduc, D., Figueroa, D., Fontoura, N., Hitchcock, R., Horn, S., Kar, D., and Tran, T. A. (2022) 'The estuarine ecological knowledge network makes progress: International project sites and potential ways forward', *Marine Technology Society Journal*, 56(3), 116–117.

- Nguyen, H., Trung, T. H., Phan, D. C., Tran, T. A., Nguyen, T. H. L., Nasahara, K. N., Prishchepov, A. V., and Hölzel, N. (2022) 'Transformation of rural landscapes in the Vietnamese Mekong Delta from 1990 to 2019: A spatio-temporal analysis', *Geocarto International*, 37(26), 13881–13903.
- Tran, T. A., and Tortajada, C. (2022) 'Responding to transboundary environmental challenges in the Vietnamese Mekong Delta: In search of institutional fit', *Environmental Policy and Governance*, 32(4), 331–347.
- Tran, T. A., Dang, D. T., Nguyen, H. T., and Pham, H. T. V. (2021) 'Moving towards sustainable coastal adaptation: Analysis of hydrological drivers of saltwater intrusion in the Vietnamese Mekong Delta', *Science of the Total Environment*, 770, 145125.
- Poelma, T., Bayrak, M. M., Nha, D. V., and Tran, T. A. (2021) 'Climate change and livelihood resilience capacities in the Mekong Delta: A case study on the transition to rice-shrimp farming in Vietnam's Kien Giang Province', *Climatic Change*, 164(9), 1–20.
- Tran, T. A., Pittock, J., and Tran, D. D. (2020) 'Adaptive flood governance in the Vietnamese Mekong Delta: A policy innovation of the North Vam Nao scheme, An Giang province', *Environmental Science and Policy*, 108, 45–55.
- Dang, D. T., and Tran, T. A.\* (2020) 'Rural industrialization and environmental governance challenges in the Red River Delta, Vietnam', *Journal of Environment and Development*, 29(4), 420–448.
- Tran, T. A., James, H., and Nhan, D. K. (2020) 'Effects of social learning on rural farmers' adaptive capacity: Empirical insights from the Vietnamese Mekong Delta', *Society and Natural Resources*, 33(9), 1053–1072.
- Tran, T. A., and Suhardiman, D. (2020) 'Laos' hydropower development and cross-border power trade in the Lower Mekong Basin: A discourse analysis', *Asia Pacific Viewpoint*, 61(2), 219–235.
- Tran, T. A. (2020) 'From free to forced adaptation: A political ecology of 'state-society-flood' nexus in the Vietnamese Mekong Delta', *Asia Pacific Viewpoint*, 61(1), 162–182.
- Tran, T. A. (2020) 'Learning as an everyday adaptation practice in the rural Vietnamese Mekong Delta', *Climate and Development*, 12(7), 610–613.
- Tran, T. A., and Le, T. A. (2020) 'Policy transfer into flood management in the Vietnamese Mekong Delta: A North Vam Nao study', *International Journal of Water Resources Development*, 36(1), 106–126.
- Nguyen, H. Q., Tran, D. D., Dang, K. K., Korbee, D., Pham, D. M. H. L., Vu, T. L., Luu, T., Ho, H. L., Nguyen, T. P., Ngo, T. T. T., Nguyen, T. K. D., Wyatt, A., Aalst, M. v., Tran, T. A., and Sea, W. B. (2020) 'Land use dynamics in the Mekong Delta: From national policies to livelihood sustainability', *Sustainable Development*, 28(3), 448–467.
- Van, H. T. P., Febriamansyah, R., Afrizal, A., and Tran, T. A.\* (2020) 'Adapting to saline intrusion: Empirical insights from two coastal areas in the Vietnamese Mekong Delta', *Pertanika Journal of Social Science and Humanities*, 28(2), 1553–1566.
- Tran, T. A., and Rodela, R. (2019) 'Integrating farmers' adaptive knowledge into flood management and adaptation policies in the Vietnamese Mekong Delta: A social learning perspective', *Global Environmental Change*, 55, 84–96.
- Tran, T. A. (2019) 'Land use change driven out-migration: Evidence from three flood-prone communities in the Vietnamese Mekong Delta', *Land Use Policy*, 88, 104157.
- Tran, T. A., Nguyen, T. H., and Vo, T. T. (2019) 'Adaptation to flood and salinity environments in the Vietnamese Mekong Delta: Empirical analysis of farmer-led innovations', *Agricultural Water Management*, 216, 89–97.
- Tran, T. A., Pittock, J., and Le, T. A. (2019) 'Adaptive co-management in the Vietnamese Mekong Delta: Examining the interface between flood management and adaptation', *International Journal of Water Resources Development*, 35(2), 326–342.

Tran, T. A., James, H., and Pittock, J. (2018) 'Social learning through rural communities of practice: Empirical evidence from farming households in the Vietnamese Mekong Delta', *Learning, Culture and Social Interaction*, 16, 31–44.

Van, H. T. P., Febriamansyah, R., Afrizal, A., and Tran, T. A. (2018) 'Government intervention and farmers' adaptation to saline intrusion: A case study in the Vietnamese Mekong Delta', *International Journal on Advanced Science, Engineering and Information Technology*, 8(5), 2142–2148.

Tran, T. A., and James, H. (2017) 'Transformation of household livelihoods in adapting to the impacts of flood control schemes in the Vietnamese Mekong Delta', *Water Resources and Rural Development*, 9, 67–80.

Vo, T. T., Tran, T. A., and Luong, D. V. Q. (2017) 'Water governance for sustainable development: International practices and implications for the Mekong Delta region', *Journal of Asian Business and Economic Studies*, 24(4), 99–120.

### **Book Chapters**

Tran, T. A. (Forthcoming) 'Towards water security in Southeast Asia: The case of the Vietnamese Mekong Delta', in Fritsch, O., and Bension, D. (Eds.), *Handbook of the governance and politics of water resources*, Cheltenham: Edward Elgar Publishing.

Tran, D. D., Hoang, L. P., and Tran, T. A. (Forthcoming) 'Livelihoods and climate change adaptation in the Mekong Delta', in Nguyen, Q. H., Apel, H., Le, B. Q., Nguyen, T. M., and Sridhar, V. (Eds.), *The Mekong River Basin – Ecohydrological complexity from catchment to coast*, Amsterdam: Elsevier.

Tran, T. A., and James, H. (2019) 'Changing livelihood options as adaptation: A comparative analysis of three flood control schemes in the Vietnamese Mekong Delta', in James, H. (Ed.), *Population, development and the environment – Challenges to achieving the sustainable development goals in the Asia Pacific*, Singapore: Palgrave Macmillan, 137–154.

### **Op-ed Articles**

Tran, T. A. (2023) 'Solutions for Vietnam's water scarce Delta', *East Asia Forum*.

Tran, T. A. (2022) 'The Mekong Delta's transboundary water problems', *East Asia Forum*.

### **Conference Proceedings**

Nguyen, H. T., Vo, V. T., and Tran, T. A. (2014) *Hydropower dam projects on the Mekong mainstream: Examining effects on sediment deposition and wild fish captures in the Vietnamese Mekong Delta*. Paper published in the Proceedings of the 2014 World Congress on Advances in Civil, Environmental, and Materials Research, Busan, Korea, August 24-28.

Nguyen, K. V., Tran, T. A., Tran, H. V., Vo T. D., Le, P. T., Tran, L. X., and Nguyen, T. V. (2012) *Climate change: Local perception, impacts and adaptation of agrarian communities in the coastal provinces of the Mekong River Delta, Vietnam*. Paper published in the proceedings of Water and Climate: Policy Implementation Challenges, Canberra, Australia.

### **Other Publications**

Middleton, C., Rigg, J., Suhardiman, D., Bilegsaikhan, S., and Tran, T. A. (2022) Valuing the Mekong: Ecology, livelihoods, hydropower. Policy brief for the project "Transboundary environmental commons in Southeast Asia", National University of Singapore.

Phong, L. T., and Tran, T. A. (2020) Highly hazardous pesticides in Vietnam: A situational report. Technical report for IEPN (International Pollutants Elimination Network).

Tran, T. A., and Le, P. T. (2011) Impacts of saline intrusion on poor households' livelihoods in coastal areas of Ben Tre Province, Vietnam. Summary report for the RDViet Program, Hue University of Agriculture and Forestry, Vietnam.

## Working Manuscripts

- Under review (2<sup>nd</sup>) [Tran, T. A.](#), and Touch, V. 'How agricultural extension responds to climate-development amplified transitions in mainland Southeast Asia: Experts' reflections', *Agriculture and Human Values*.
- Under review (3<sup>rd</sup>) [Tran, T. A.](#), Tran, D. D., Vo, O. V., Pham, V. T. H., Tran, H. V., Yong, L. M., Le, P. V., and Dang, P. T. 'Evolving pathways towards water security in the Vietnamese Mekong Delta: An adaptive management perspective', submitted to the Special Issue entitled "Climate adaptation of inland waters: Increasing resilience, developing novel management strategies, and sustaining ecosystem services" in *Ambio*.
- Under review (1<sup>st</sup>) [Tran, T. A.](#), Nhan, D.K., and Tuan, L.A. 'Revisiting the interplay between water management and adaptation in the Vietnamese Mekong Delta: A political ecology perspective', submitted for the book entitled "Hydro-politics in the Mekong region: Water, power and the dialectics of change" co-edited by Kim Geheb and Diana Suhardiman, to be published by Leiden University Press (LUP).
- Under review (1<sup>st</sup>) Cook, B. R., Touch, V., Bannan, L. -A., Finlayson, C., Reed, N., and [Tran, T. A.](#) 'Smallholder decision-making and its misalignment with SGD2', *Sustainable Development*.

## Manuscripts in Progress

- Book Tran, T. A. (Ed.) 'Flood governance in the Vietnamese Mekong Delta: The role of social learning for household and institutional adaptation'. Singapore: Palgrave Macmillan, to be submitted in June 2024.
- Article [Tran, T. A.](#), Yong, L. M., Vo, O. V., Pham, V. T. H., Tran, H. V., and Bayrak, M. M. 'Geographies of return migration under Covid-19 impacts: A social justice perspective', an abstract accepted for the Special Issue entitled "Legacies and anticipatory geographies of the pandemic" in *Geographical Research*.
- Article [Tran, T. A.](#), Rigg, J., Pham, V. T. H., Tran, H. V., Vo, O. V., and Yong, L. M. 'Erosion of traditional ecological knowledge under the Mekong's fragile waterscapes', an abstract accepted in *Ambio*.
- Article [Tran, T. A.](#), Marks, D., and Rigg, J. 'Hydrosocial territories and imaginaries for livelihood resilience in the Vietnamese Mekong Delta: A political ecology perspective', to be submitted to *Water International*.

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## GRANTS, FELLOWSHIPS, AND AWARDS

### Grants and Research Collaborations

- Jul 2022-May 2025 Research project titled "Vulnerable deltas in Southeast Asia: Climate change, water, waste and socio-economic transformation" funded by Luce Foundation Program and NASA (US\$308,028).
- Project Co-PI (Work package on "Between Vulnerability and Resilience: Hydro-social and agrarian transitions in the Mekong Delta from An Giang Province, Vietnam to Phnom Penh, Cambodia" with Dr Ming Li Yong, the East-West Center, the US.
  - Co-designed research methods
  - Field visits in the Vietnamese Mekong Delta and the East-West Center, the US
- Feb 2020-Feb 2024 Research project titled "To flood or to flee? A comparative study on flood-driven migration as a way to adapt to climate change in the Lower Mekong River Basin", funded by the Ministry of Science and Technology, Taiwan (US\$200,000), led by Associate Professor Mucahid Mustafa Bayrak, National Taiwan Normal University.

- Project collaborator
  - Co-designed research methods
  - Coordinated research activities in the Vietnamese Mekong Delta
- Oct 2020-Oct 2022 Research project titled “Evaluating social and environmental impacts of intensive rice production and pesticide use on water quality in the Lower Mekong Region: Case studies of An Giang, Vietnam and Chiang Rai, Thailand”, funded by the SUMERNET 4 All (Sustainable Mekong Research Network) (US\$46,738).
- Project Co-PI (in collaboration with researchers from Thuy Loi University, Vietnam and Mae Fah Luang University, Thailand)
  - Led the Vietnamese research group (A case study in An Giang, Vietnam)
- Jan 2019-Dec 2021 Research project titled “Freshening salinity areas: Implications of Ba Lai irrigation scheme for coastal agro-ecosystems and household adaptation in Ben Tre province”, funded by SEARCA’s Seed Fund for Research and Training Program (US\$13,500).
- Project PI
  - Designed the project, collected and analyzed field data, and wrote research report
- Nov-Dec 2017 Travel grant awarded by SEARCA for the XXII International Conference of the Society for Human Ecology, University of the Philippines Los Baños, the Philippines (US\$2,500).
- Travel grant awardee
  - Chaired a conference panel and presented a research paper
- Jul 2016-Dec 2017 Conducting the research project titled “Reduction of pesticide application in Southeast Asia”, funded by Swedish International Development Cooperation Agency (SIDA), hosted at An Giang University (US\$15,000).
- Coordinated the project
  - Co-wrote and edited the research report
- Jan-Jun 2012 Research project titled “Reduction of pesticide application in Southeast Asia”, funded by Swedish International Development Cooperation Agency (SIDA), hosted at An Giang University (US\$9,000).
- Project Co-PI
  - Collected and analyzed field data, co-wrote and edited the research report
- Jun-2011-Jun 2012 Research project titled “Impacts of pesticide application on hired laborer’s health: A case study of An Giang Province, the Vietnamese Mekong Delta”, funded by the Research Centre for Rural Development’s Seed Fund, An Giang University (US\$1,500).
- Project PI
  - Designed the project, collected and analyzed data, and wrote research report
- Jun-Dec 2011 Research project titled “Hydropower development in the Mekong River: Transboundary implications for rural farmers’ livelihoods in An Giang province, Vietnam”, funded by the Vietnam Rivers Network (US\$6,000).
- Project Co-PI
  - Co-designed instruments for data collection, co-wrote and edited the report
- Jan-Dec 2010 Research project titled “Impacts of saline intrusion on poor households’ livelihoods in the coastal areas of Ben Tre province, the Vietnamese Mekong Delta”, funded by Swedish University of Agricultural Sciences and Hue University of Agriculture and Forestry (SIDA/SAREC-funded research), Vietnam (US\$5,000).
- Project PI
  - Designed the project, collected, analyzed field data and wrote the report
- Jan-Dec 2010 Research project titled “Climate change adaptation: Engaging local community into decision-making process”, funded by the Australian Agency for International Development (AusAID), Australia (AU\$125,000).

- Co-designed instruments for data collection in collaboration with researchers from the Vietnam Ministry of Agriculture and Rural Development
  - Co-wrote and edited the research report
- Jan-Dec 2010      Research project titled “Reduction of pesticide application in Southeast Asia”, funded by Swedish International Development Cooperation Agency (SIDA) (US\$9,000).
- Co-designed the research proposal
  - Collected and analyzed field data (qualitative analysis)
  - Co-wrote the research report
- Jan-Dec 2010      Research project titled “Women’s role in flood-based adaptation practices – A case study in Tan Chau District, An Giang Province, the Mekong Delta”, funded by the Research Centre for Rural Development’s Seed Fund, An Giang University (US\$1,500).
- Project PI
  - Collected and analyzed field data (qualitative and statistical analyses)
  - Wrote the research report
- Jun-Dec 2009      Research project titled “Informal financial systems in rural areas of the Vietnamese Mekong Delta”, funded by Swedish University of Agricultural Sciences and Hue University of Agriculture and Forestry (SIDA/SAREC-funded research), Vietnam (US\$5,000) led by Michael Hudson at An Giang University.
- Co-designed instruments for data collection (qualitative methods)
  - Collected field data (fieldwork interpreter and interviewer)

### **Fellowships**

- Aug 2022-present      Research fellowship for the project titled “Next generation agricultural extension: social relations for practice change”, School of Geography, Earth and Atmospheric Sciences, The University of Melbourne
- Mar-Dec 2022      Research fellowship for the project titled “Natural Capital Management in the Mekong Delta”, Fulbright School of Public Policy and Management, Fulbright University Vietnam
- Jan 2018-May 2021      Research fellowship for the project titled “Transboundary Environmental Commons in Southeast Asia”, Asia Research Institute, National University of Singapore
- Jun 2017      Training fellowship granted by Brown International Advanced Research Institutes (BIARI), Brown University, Rhode Island, the United States
- Jun-Jul 2017      Training fellowship granted by The Australian National University for attending ACSPRI’s (Australian Consortium for Social and Political Research Inc.) training course on “Introduction to social network research and network analysis”, University of Queensland, Brisbane, Australia
- May 2015      Conference fellowship granted by Asia Research Institute, National University of Singapore
- Jan 2013      Training fellowship granted by The Australian National University for attending ACSPRI’s (Australian Consortium for Social and Political Research Inc.) training course on “Fundamentals of statistics”, The Australian National University, Canberra, Australia
- Jul 2012-Jul 2016      Doctoral scholarship granted by the Australian Leadership Awards (ALAs), The Australian National University, Australia
- Sep 2010      Training fellowship granted by the Netherlands Fellowship Programs (NFPs), Wageningen University, the Netherlands

Jun 2010	Training fellowship granted by the German Academic Exchange Service (DAAD), Hanoi, Vietnam
Jun 2009	Conference fellowship granted by the University Network for the Wetland and DRAGON Asia Summit and the Great Lakes of the World, Siem Riep, Cambodia
May-Jun 2009	Training fellowship granted by the Regional Wetland Training Committee, Thailand and Laos
Dec 2006-Aug 2007	Master scholarship granted by the United Board of Christian Higher Education in Asia, Eastern Mennonite University, the United States

#### **Awards**

Mar 2020	Institute's Talent Recognition, Disaster Risk Science Institute, The Australian National University, Australia
Apr 2017	Australia Awards Tutoring, The Australian National University, Australia
Jun 2009	Best student awarded by the Regional Wetland Training Committee, Thailand and Laos

### **INVITED LECTURES, TEACHING AND PRESENTATIONS**

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#### **Selected Lectures and Teaching**

2024	Lecture titled "Riparian communities' adaptation to compounding climate-development challenges in the Mekong region" for the "Mekong-Australia Partnership Masterclass: Responding to the Climate Change Challenge" co-organised by the Australian Department of Foreign Affairs and Trade (DFAT) and The University of Queensland, Canberra, Australia, February 26-March 8.
2023	Lecture titled "Transformation of waterscapes in the Vietnamese Mekong Delta: Unpacking state-society relations in adaptation" for the graduate course "Seminar of graduate student" (01651697) convened by Associate Professor Ratcha Chaichana, Department of Environmental Technology and Management, Faculty of Environment, Kasetsart University, Thailand, December 21.
2023	Lecture titled "'Rice-water management-adaptation' narratives in the Vietnamese Mekong Delta: A sustainable development perspective" for the undergraduate course "Sustainable Development" (GEOG-30019) convened by Associate Professor Brian Robert Cook, School of Geography, Earth and Atmospheric Sciences, The University of Melbourne, Australia, April 20.
2022	Lecture titled "Qualitative research methods", "Qualitative data analysis using NVivo", and "Mixed-methods research: A case study" for the mixed undergraduate and graduate course "Research Methodology" co-convened with Dr Pao Srean, Faculty of Agriculture and Food Processing, the National University of Battambang, Battambang Province, Cambodia, November 27 and December 03.
2022	Lecture titled "Political ecology of freshening the Mekong's coastal delta: Examining state-society relations" for the undergraduate course "Developing Vietnam: History, Environment, and Culture" (F22-ASCL-70.22), co-convened by Dr Nguyen Nam, Fulbright University Vietnam, and Associate Professor Edward Miller, Dartmouth College, the US, October 27.
2020	Lecture titled "Transboundary environmental impacts in the Vietnamese Mekong Delta: Transformation of flood-based livelihoods of rural communities" for the undergraduate Geography course "Feeding the World" (AAG-33E), convened by Dr Ho Huu Loc, National Institute of Education, Nanyang Technological University, Singapore, March 17.



- 2017 Lecture titled "Policy learning: State-society interactions" for the graduate course "State, Society and Natural Resources" (EMDV-8101), convened by Associate Professor John McCarthy, Crawford School of Public Policy, The Australian National University, Australia, August 29.
- 2017 Lecture titled "Human ecology perspectives from the interface between flood management and adaptation in the Vietnamese Mekong Delta" for the undergraduate course "Human Ecology" (ENVS-2011), convened by Professor Xeumai Bai, Fenner School of Environment and Society, The Australian National University, Australia, May 23.
- 2016 Lecture titled "The Vietnamese Mekong Delta in the interplay of flood management and adaptation" for the undergraduate course "Vietnam Field School" (ENVS-2017), convened by Dr David Freudenberger, Fenner School of Environment and Society, The Australian National University, Australia, October 31.
- 2016 Lecture titled "Flood risk governance, social learning and adaptation in the Vietnamese Mekong Delta" for a Masters' course "Disaster Risk Reduction and Management" (EMDV-8124), convened by Professor Helen James, Crawford School of Public Policy, The Australian National University, Australia, August 17.
- 2011 Teaching an undergraduate course titled "Introduction to Rural Development Studies (in English)" (ESP-518), Faculty of Agriculture and Natural Sources, An Giang University, VNU-HCM, Vietnam, September-December.
- 2010 Lecture titled "Hydropower development on the Mekong River and transboundary environmental implications", to undergraduate students engaged in a field study on development studies in Vietnam, School for International Training, Graduate Institute, the United States, September 29.
- 2003-2009 Teaching for undergraduate courses on English pedagogy and general agribusiness, An Giang University, Vietnam.
- 2007 Teaching assistant (TA) for an undergraduate course on 'Asian Studies' (Summer 2007), Eastern Mennonite University, the United States.

### **Selected Presentations**

- 2023 Keynote speaker, paper titled "From food to water security: Adaptive management in the Vietnamese Mekong Delta," Workshop theme "Mekong Water for Rice and Fish (WARF): Participatory Community Water Planning Approaches to Enhance Connectivity in the Mekong Floodplains", co-organised by ACIAR, AMPERES, Charles Sturt University, and local partners, December 07.
- 2023 Presenter, paper titled "Evolving pathways towards water security in the Vietnamese Mekong Delta: An adaptive management perspective," the WINNER 2023 Conference theme "Water Connecting, Water Dividing: Fresh and Salt Water Natural Resource Management in Times of Climate Change; Cases from SEA", Jakarta, Indonesia, October 10-12.
- 2023 Presenter, paper titled "Transformation of waterscapes and responses in the Vietnamese Mekong Delta," Regional Action on Climate Change theme "Food, Water, and the Regions", Kyoto, Japan, September 30.
- 2023 Presenter, paper titled "Towards water security in the Mekong region: A political ecology of policy shift from water expulsion to water retention," the International Research Conference "Dealing with Drought: Water Politics, Human (Im)mobility and Adaptation Strategies", Augsburg, Germany, April 28-29.

- 2022 Presenter, paper titled "Social memory in the Mekong's changing floodscapes: Narratives of agrarian communities' adaptation," the International Workshop "Flood Risk and Resilience at Community Level", Munich, Germany, December 01-02.
- 2022 Presenter, paper titled "Governing new water problems and dialogues in the Vietnamese Mekong Delta," Australia Awards Short Course "Water Diplomacy for a Resilient Mekong", funded by the Australian Department of Foreign Affairs and Trade (DFAT), Hanoi, Vietnam, July 11-18.
- 2022 Presenter, paper titled "Return migrations under Covid-19 impacts in the Vietnamese Mekong Delta: A social justice perspective," the ASAA Conference 2022 'Social Justice in Pandemic Times', Monash University, Australia, July 5-8.
- 2022 Presenter, paper titled "Political ecology of freshening the Mekong's coastal delta: Narratives of place-based land use dynamics," the SSEAC Emerging Scholars Conference, Sydney Southeast Asia Centre, The University of Sydney, Australia, June 20.
- 2021 Special talk, paper titled "Hybrid water governance in responding to new environmental challenges in the Vietnamese Mekong Delta," the 6<sup>th</sup> Environment Asia Virtual International Conference on "Challenges of Global Environmental Challenges in the 21<sup>st</sup> Century", Bangkok, Thailand, December 20-21.
- 2021 Keynote speaker, paper titled "Emerging water challenges in the Vietnamese Mekong Delta: Which way to go?", Virtual international symposium on Climate Change, Environmental Migration, and Land Subsidence in the Mekong Delta and other Asian Deltas, co-organized by National Taiwan Normal University, Utrecht University, An Giang University and Kien Giang University, Vietnam, November 26.
- 2021 Presenter, paper titled "Social learning for adaptation: A case study of flooding communities in the Vietnamese Mekong Delta," the World Class University Program themed "Social Learning in Disaster Mitigation", the Universitas Sumatera Utara (North Sumatera University), Indonesia, November 12.
- 2021 Presenter, paper titled "Responding to transboundary water challenges in the Vietnamese Mekong Delta: In search of institutional fit", the SSEAC Research Conference, Sydney Southeast Asia Centre, The University of Sydney, Australia, July 28.
- 2020 Presenter, paper titled "New water challenges in the Vietnamese Mekong Delta: Discourses of institutional adaptation", Institute of Water Policy, Lee Kuan Yew School of Public Policy, National University of Singapore, Singapore, July 21.
- 2020 Presenter, paper titled "Institutional adaptation to transboundary environmental impacts in the Vietnamese Mekong Delta: A critical discourse analysis", Workshop on "Contest resource frontiers in mainland Southeast Asia", ISEAS – Yusof Ishak Institute, Singapore, March 6.
- 2019 Presenter, paper titled "Floods, dykes, and rice in the Vietnamese Mekong Delta: Local narratives of learning and adaptation", Andalas University, Indonesia, October 4.
- 2019 Presenter, paper titled "Hydropower development and transboundary governance of water commons: A case of Laos" in the Panel "Hybrid governance of transboundary environmental commons in Southeast Asia", the AAS-In-Asia 2019 Conference, Bangkok, Thailand, July 1-4.
- 2019 Presenter, paper titled "Political discourses of hydropower development and power trade in the Lower Mekong Basin: A case study of Lao PDR", Lee Kuan Yew School of Public Policy, National University of Singapore, Singapore, March 25.

- 2018                    Presenter, paper titled “State policies for hydropower development in the Lower Mekong Basin: Negotiating discourses of energy alternatives”, Workshop on “Sustainable Transboundary Governance of the Environmental Commons in Southeast Asia”, Asia Research Institute, National University of Singapore, Singapore, November 1-2.
- 2018                    Presenter, paper titled “Institutional effects on rural adaptation in the Vietnamese Mekong Delta: Evidence of farmers’ responses to post-dyke environmental change”, APRU 14<sup>th</sup> Multi-Hazards Symposium on Risk, Resilience and Reconstruction: Science and Governance for Effective Disaster Risk Reduction and Recovery in Australia, Asia and the Pacific, The Australian National University, Australia, October 21-24.
- 2017                    Presenter, paper titled “Adaptive co-management in the Vietnamese Mekong Delta: Examining the interface between flood management and adaptation”, the XXII International Conference of the Society for Human Ecology, University of the Philippines Los Baños, the Philippines, November 27-December 1.
- 2017                    Presenter, paper titled “Changing livelihood options as adaptation: A comparative analysis of three flood management schemes in the Vietnamese Mekong Delta”, the International Conference on Regional Perspectives on Population, Development and the Environment, University of Yangon, Myanmar, February 2-3.
- 2015                    Presenter, paper titled “Social learning for households’ adaptation to floods in the Vietnamese Mekong Delta”, the 10<sup>th</sup> Singapore Graduate Forum on Southeast Asian Studies, National University of Singapore, Singapore, June 24-26.
- 2009                    Presenter, paper titled “Wetlands in Champasak Province, Lao PDR and implications for local communities’ livelihoods”, the Delta Research and Global Observation Network Asia Summit, Siem Reap, Cambodia, June 19-25.

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## ACADEMIC SERVICES

### Supervising and Mentoring

Co-supervisor, Mr. Nguyen Thanh Toan, Doctoral Program of Pacific Studies, with Dr Lyn Carter, University of Otago, New Zealand, 2019-2022 (Successfully completed).

- Dissertation titled: “Barriers to climate adaptation in Vietnam: The case of local communities and institutions in the central coastal region of Vietnam”

Co-supervisor, Ms. Pham Huynh Thanh Van, Doctoral Program of Development Studies, with Professor Rudi Febriamansyah and Professor Afrizal, Andalas University, Indonesia, 2016-2019 (Successfully completed).

- Dissertation titled: “Collective climate risk adaptation to saline intrusion – A case study in the Vietnamese Mekong Delta”

Supervisor, Ms. Tran Thi Diem Phuc, Master Program of Science in Environmental Management, School of Design and Environment, National University of Singapore, 2019 (Successfully completed).

- Dissertation titled: “Reverse logistics implementation for e-waste management: Insights from the electronics industry in Singapore”

Mentor, Ms. Ma. Josephine Therese Emily G. Teves Amith Phetsada, (PhD candidate of Chulalongkorn University, Thailand), research fellow under the Asian Graduate Student Fellowship, Asia Research Institute, National University Singapore, June 07-July 16, 2021.

- Research topic: “Japanese and Filipino power elite interactions in a Japan official development assistance-funded farm-to-market road subproject”

Mentor, Mr. Amith Phetsada, (PhD candidate of Kyoto University, Japan), research fellow under the Asian Graduate Student Fellowship, Asia Research Institute, National University Singapore, June 15-July 24, 2020.

- Research topic: “Hydropower development and its impact on local communities in Laos: A case study of Hatkhip village relating to Nam Ou 2 hydropower project”

Mentor, Ms. Bui Thi Minh Ha, (PhD candidate of University of Social Sciences and Humanities, Vietnam), research fellow under the Asian Graduate Student Fellowship, Asia Research Institute, National University Singapore, June 15-July 24, 2020.

- Research topic: “The role of social capital in flood adaptation: A case study in Southern Coast of Vietnam.”

Mentor, Mr. Ha Nam Thang, (Masters’ student of University of Glasgow, the UK), research fellow under the Asian Graduate Student Fellowship, Asia Research Institute, National University Singapore, June 16-July 27, 2019.

- Research topic: “Not much room for creativity: Strategic calculations and conundrums of middle powers in the free and open Indo-Pacific.”

Co-mentor with Professor Jonathan Rigg, Ms. Nguyen Ha Phuong, (PhD candidate of Vietnam Academy of Social Sciences, Vietnam), research fellow under the Asian Graduate Student Fellowship, Asia Research Institute, National University Singapore, June 18-July 27, 2018.

- Research topic: “The soft connectivity within the Cambodia-Laos-Vietnam development triangle area: Current problems.”

### **Thesis Examining**

2021	Examiner, PhD thesis titled “Subjectivities, politics and power in climate change adaptation and transformation: A case study from the Mekong and Red River Deltas in Vietnam”, The University of Western Australia, Australia
2021	Examiner, PhD thesis titled “Understanding disaster vulnerability in Vietnam’s Mekong Delta”, Monash University, Australia
2019	Examiner, MA thesis titled “Reverse logistics implementation for e-waste management: Insights from the electronics industry in Singapore”, National University of Singapore

### **Training and Tutoring**

2023	Trainer, “How to use NVivo for conducting literature review and qualitative data analysis” for graduate students of Fenner School of Environment and Society, The Australian National University, April 13.
2021	Trainer, “Using NVivo for qualitative data analysis” for graduate students of Fenner School of Environment and Society, The Australian National University, April 22.
2020	Trainer, “Using NVivo for qualitative data analysis” for staff of Asia Research Institute, National University of Singapore, March 11.
2018	Trainer, “Using NVivo for literature review and qualitative data analysis” for staff of Asia Research Institute, National University of Singapore, May 15.
2017	Tutor, use of NVivo for qualitative analysis for PhD students and researchers of Fenner School of Environment and Society, The Australian National University, January 20-May 26.
2017	Trainer, “The mixed-methods research and the use of NVivo” for PhD students of Crawford School of Public Policy, The Australian National University, April 8-29.
2016	Tutor, use of NVivo for literature review and qualitative data analysis for PhD students and researchers of Fenner School of Environment and Society, The Australian National University, May 20-September 9.

## Panel Chairing

- 2021 Co-chair, panel titled “COVID-19 air pollution and climate change – Challenges in the 21<sup>st</sup> century”, the 6<sup>th</sup> Environment Asia Virtual International Conference on Challenges of Global Environmental Challenges in the 21<sup>st</sup> Century, Bangkok, Thailand, December 20-21.
- 2020 Chair and discussant, panel titled “Sustainable livelihood”, the 15<sup>th</sup> Singapore Graduate Forum on Southeast Asian Studies, Asia Research Institute, National University of Singapore, July 22-24.
- 2019 Chair and discussant, panel titled “Environmental governance”, the 14<sup>th</sup> Singapore Graduate Forum on Southeast Asian Studies, Asia Research Institute, National University of Singapore, July 22-26.
- 2019 Chair, ITB (In the Beginning) talk panel with Visiting Research Fellows (Dr. Arnez Monika and Associate Professor Shelly Chan), Asia Research Institute, National University of Singapore, May 30.
- 2017 Chair, panel titled “Food systems and water management for rural development”, the XXII International Conference of the Society for Human Ecology, University of the Philippines Los Baños, the Philippines, November 27-December 1.
- 2017 Chair, panel titled “Climate change, disasters, democracy and societal transformation”, the International Conference on Regional Perspectives on Population, Development and the Environment, University of Yangon, Myanmar, February 2-3.

## Conference Co-organising

- 2017 International conference on “Regional Perspectives on Population, Development and the Environment – Challenges to Achieving the Sustainable Development Goals in the Asia-Pacific”, convened by Professor Helen James, University of Yangon, Myanmar, February 2-3.
- 2013 International conference on “[The Demography of Disasters: Implications for Future Policy on Development and Resilience](#)”, convened by Professor Helen James, The Australian National University, Australia, September 18-20.

## Editorial Appointments

- Apr 2023-present Associate Editor, [Humanities and Social Sciences Communications](#)
- Jun 2021-present Associate Editor, [Society and Natural Resources](#)
- Jan 2020-present Editorial Member, [Journal of Flood Risk Management](#)  
Editorial Member, [International Journal of Water Resources Development](#)

## Professional Societies and Memberships

- June 2023-present Member (External), Sydney Environment Institute, The University of Sydney
- Aug 2018-present Member, [SUMERNET](#) (Sustainable Mekong Research Network)
- Aug 2017-present Member, [Institute for Climate, Energy and Disaster Solutions](#), The Australian National University, Australia
- Jul 2016-present Member, [The Integrated Assessment Society](#), Osnabrück, Germany

## Journal Reviews

- 2017–present Natural Hazards; Wetlands Ecology and Management; Ecology and Society; International Journal of Water Resources Development; Society and Natural Resources; Journal of Rural Studies; World Water Policy; Regional Environmental

Change; Journal of Environmental Management; The Journal of Agricultural Education and Extension; Third World Quarterly; Ecosystem Services; Journal of Environmental Planning and Management; Environment and Planning E: Nature and Space; Environment, Development and Sustainability; Environmental Science and Pollution Research; Global Ecology and Conservation; Human Ecology Review; Journal of Flood Risk Management; Journal of Mitigation and Adaptation Strategies for Global Change; Journal of Southeast Asian Studies; Land Use Policy; Singapore Journal of Tropical Geography; WIREs: Water; Ambio; Climate and Development; Environmental Policy and Governance; International Journal of Sustainable Development; Learning, Culture and Social Interaction; Water Resources Management; Agricultural Water Management; Journal of Sustainable Development

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## RESEARCH SKILLS, LANGUAGES AND PROFESSIONAL CERTIFICATES

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### Research Skills

- Mixed-methods research and design
- Qualitative analysis (NVivo, Advanced level)
- Quantitative analysis (Stata, Advanced level)

### Languages

- English (Fluent)
- French (Beginning)
- Vietnamese (Native)

### Professional Certificates

2017	Intensive course (one week) on “Introduction to social network research and network analysis” awarded by the Australian Consortium for Social and Political Research Incorporation
2013	Intensive course (one week) on “Fundamentals of statistics” awarded by the Australian Consortium for Social and Political Research Incorporation
1998	Intensive teaching practicum (three months) awarded by the School of Education, Can Tho University, Vietnam

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## REFERENCES

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### Professor James Pittock

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The Australian National University, Australia  
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### Professor Jonathan Rigg

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### Professor Cecilia Tortajada

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