



Warathida Chaiyapa, PhD

Assistant Professor

Education background:

- **PhD in Sustainability Science:** October 2014 - September 2017
Graduate School of Frontier Sciences, The University of Tokyo, Japan
- **Master degree in Sustainability Science:** October 2012 - September 2014
Graduate School of Frontier Sciences, The University of Tokyo, Japan
- **Master of International Affairs with merit:** February - November 2009
Graduate Studies of International Affairs, The Australian National University, Canberra, Australia
- **Bachelor of Arts with First Class Honors:** May 2002- June 2007
Faculty of Political Science, Thammasat University, Bangkok, Thailand


Personal Information

- Birthday: 11 Sept 1984
- Nationality: Thai
- Language: English, Thai
- Hometown: Chiang Mai, Thailand


Research areas

- Climate change mitigation and adaptation
- Energy transition and energy efficiency
- Sustainability and Sustainable development

Contact

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Chiang Mai University**
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Muang District,
Chiang Mai 50200,
Thailand

Work experiences:

- Assistant director and head of degree program in Master and PhD levels
Chiang Mai University School of Public Policy, Thailand
May 2018-present
- Corporate Social Responsibility Official in Community Relation Department,
PTT Public Company Limited Bangkok, Thailand
August 2010 - July 2012
- Regional Communications Intern, Save the Children UK, Bangkok, Thailand
March 2010 - May 2010
- Project Researcher, Asian Research Centre for Migration, Chulalongkorn University, Bangkok, Thailand
January - February 2010

Accomplishment:

2022:

- Promoted as Assistant Professor by Chiang Mai University
- Certified facilitator for the 2030 SDGs Game by the Japanese NPO Imacocollabo

2021:

- Online presentation at the Building Pavilion Program at COP26 on how vernacular buildings in Chiang Mai can be contributing to climate change mitigation and a showcase for climate change adaptation.

2020:

- Green Talent Award provided by Federal Ministry of Education and Research, Germany. The award supported two-months research stay from September to October 2022 on energy efficiency policy of residential buildings at the Wuppertal Institute for Climate, Environment and Energy.

2019:

- Awarded a research grant from Chiang Mai University to conduct climate policy of Thai political parties during the general 2019 election.
- A speaker for TEDx Chiang Mai "Shake and Shift through the eyes of women" on 7 September 2019

Accomplishment:



Green Talent research stay In
Wuppertal, Germany

2019:

- Certificate of attendance as Young Executives on Energy issues Program provided by Thailand Energy Academy (TEA)
- Research grant by American Council of Young Political Leaders (ACYPL) on the study of climate change literacy for municipality offices in Chiang Mai, Thailand
- YSEALI Professional Fellows Program in the theme of Governance and Society. The fellowship was conducted for five weeks with the Department of Public Health and Environment, Denver city, Colorado, the United States.

2012-2017:

- Awarded Monbukagakusho:MEXT scholarship from Japanese Government to study Master and PhD degrees at the University of Tokyo, Japan

2009:

- Awarded Hedley Bull Scholarship to study Master Degree at the Australian National University, Australia

2003-2007:

- Dean's List Award for outstanding academic performance from Faculty of Political Science, Thammasat University, Thailand



Research works:

Energy

- **2023-present:** A study on policy instruments to enhance the usage of green hydrogen in Thailand, funded by National Research Council of Thailand and Electricity Generating Authority of Thailand (EGAT)
- **2023:** Co-chair of the panel "Energy transition, Security and Justice in the time of global shocks" at the 6th International Conference in Public Policy held in Toronto, Canada, on 27-29 June 2023.
- **2021-present:** Carrying heritage buildings as part of urban regions into a modern and energy-efficient society (CHARMS), with collaboration with Fraunhofer-Gesellschaft. <https://charms-project.com/>
- **2020:** "Building resilience in the residential and industrial sector in Thailand in the case of electricity blackout". The research investigates how households and industries in Thailand prepare for and respond to electricity blackouts, funded by Thailand's Energy Regulatory Commission (ERC)
- **2019:** A consultation work for Ministry of Energy, Thailand on drafting first-time Thailand's regional energy planning. The project designed specific regional energy development plans for six regions of Thailand.

Climate change

- **2023-present:** The nexus of climate change, food security and multi-level governance with a case study on coffee bean productivity in the northern region of Thailand
- **2022-present:** A comparative study on political system and climate action between Thailand and Malaysia, funding by the Forums of Federation (FOF)
- **2022:** A regional workshop on "Making Sense of and Responding to Loss and Damage in Southeast Asia" held at Bohol Island, the Philippines. This was under collaboration with Manila Observatory, the Samdhana Institute with the funding support from Stockholm Environment Institute and Heinrich Böll Stiftung Thailand
- **2019:** A research on Climate policy of Thai political parties during the national election in 2019, funded by Chiang Mai University



Publications:

- La Viña, A., Reyes, J., Jamero, M.L., Botino, L., Chaiyapa, W., Inthapat, B., Sacramento, N.J.J., & Jamisolamin, J. (2022). Loss and Damage: Perspectives from Southeast Asia. Retrieved from <https://www.observatory.ph/2022/12/07/loss-and-damage-perspectives-from-southeast-asia/>
- Chaiyapa, W. & Chutima, V. (2023). 'Business Associations and policy analysis in Thailand'. In Poocharoen, O. & Boossabong, P. (Eds). Policy Analysis in Thailand (pp.219-229). Bristol: Policy Press.
- Chaiyapa, W., Hartley, K., & del Barrio Alvarez, D. (2021). From end-users to policy designers: Breaking open the black box of energy technocracy in Thailand. *Energy Research & Social Science*, 73, 101912.
- Chaiyapa, W., Esteban, M., & Kameyama, Y. (2018). Why go green? Discourse analysis of motivations for Thailand's oil and gas companies to invest in renewable energy. *Energy Policy*, 120, 448-459.
- Chaiyapa, W., Nguyen, K. N., Ahmed, A., Vu, Q. T. H., Bueno, M., Wang, Z., ... & Esteban, M. (2018). Public perception of biofuel usage in Vietnam. *Biofuels*, 12(1), 21-33.
- Esteban, M., Bricker, J., San Carlos Arce, R., Takagi, H., Yun, N., Chaiyapa, W., ... & Shibayama, T. (2018). Tsunami awareness: a comparative assessment between Japan and the USA. *Natural hazards*, 93(3), 1507-1528.
- Chaiyapa, W., Esteban, M., & Kameyama, Y. (2017). Oil and Gas industry's role on the transition to a low-carbon future in Thailand. In *Sustainability Through Innovation in Product Life Cycle Design* (pp. 181-195). Springer, Singapore.
- Chaiyapa, W., Esteban, M., & Kameyama, Y. (2016). Sectoral approaches establishment for climate change mitigation in Thailand upstream oil and gas industry. *Energy Policy*, 94, 204-213.
- Mendizabal, V., Chantavanich, S., Laodumrongchai, S., Than, M., Wong-a-thitikul, A., Chaiyapa, W., Ariyasuntorn, C. and Tansanguanwong, P. (2012). Economic and Political Crises in Thailand: Social Impacts and Government Responses

Oral presentations:

- Chaiyapa, W. (2019) "Trans-local approach to sustainability-toward a new collaborative scheme in the era of SDGs" in Tokyo Forum 2019, 6-7 December, 2020, the University of Tokyo, Japan.
- Chaiyapa, W., Wongsapai, W., Kuensuwong, N. and Iliopoulos, N. "Responses and resilience of households in Thailand on emergency electricity blackout". The 19th Sustainable Built Environment Conference 2019: Built Environment in an era of climate change. How can cities and building adapt? On 6-7 August 2019 at the University of Tokyo Komaba campus I-KOMCEE, Japan.
- Chaiyapa, W., Sjögren, A., Khuong N.N., "Investigating the demand side of biofuel development: A comparative study on public perception on biofuel usage in Southeast Asia". The 6th GPSS-GLI International Symposium: Framing to Action: Bringing Sustainability Thinking into Practice". Chiba, JAPAN, March 2-3, 2018. (Received Best Poster Award)
- Chaiyapa, W., Esteban, M. and Kameyama, Y., "Oil and Gas industry's role on the transition to a low-carbon future in Thailand". The 9th International symposium on Environmentally Conscious Design and Inverse Manufacturing: Sustainability through Innovation in Product Life Cycle Design, Tokyo, JAPAN, December 2-4, 2015.
- Chaiyapa, W., Esteban, M. and Kameyama, Y., "The Politics of Energy in Thailand: Critical Analysis on Renewable and Alternative Energy Development Policy and the Role of Oil and Gas Industry". The 6th International Conference on Sustainable Future for Human Security (SUSTAIN) 2015: "Sustainable Development and Global Change" at Sanur Paradise Plaza Hotel & Suites, Bali, INDONESIA, November 17 - 19, 2015.
- Chaiyapa, W., Esteban, M. and Kameyama, Y., "Politics in a transition to low-carbon energy, Case study: Discourse analysis of reasons for investment in renewable energy by Oil and Gas companies in Thailand". The 22nd International Sustainable Development Research Society (ISDRS): Rethinking Sustainability Models and Practices: Challenges for the New and Old World Contexts, Lisbon, PORTUGAL, July 13-15, 2016.