



Associate Professor Wjitbusaba Marome (Ann), PhD

Current Positions:

- Associate professor in Urban Development and Planning
- Director, Urban Futures and Policy Research Unit, Thammasat University
www.urbanfuturestu.com <https://www.facebook.com/UrbanFutures.tu>
- Expert Committee, the Eastern Economic Corridor Development Fund on Area and Community Development Committee (EEC)
- Expert Committee, Bangkok Development Strategic Committee, Bangkok Metropolitan Administration (BMA)
- Expert Committee on Integrated Implementation on Climate Change Adaptation in Thailand Working Group, Department of Climate Change and Environment (CCE)
- Expert Committee on Community Development Approach and Data for the Lower-Chao Phraya River Basin and Waterside Communities Working Group, Community Organization Development Institute (CODI)

Nationality: Thai

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Language: Thai (native), English (fluent)

Expertise

- Urban Climate Resilience and Adaptation
- Sustainable and Inclusive Cities and Communities
- Urban Development Policy and Planning
- Future Cities

Educations

- 2009 University College London, Development Planning Unit, Bartlett, UK
PhD in Planning
- 2008 London Business School, UK
The New Revolution: Social Entrepreneurship in the 21st Century (certificate)
- 2007 London Business School, UK
New Venture Development (certificate)
- 2003 University of Bristol, Department of Politics, UK
MSc in Gender and International Relations
- 2000 Chulalongkorn University, Faculty of Architecture, Thailand
Bachelor in Architecture (Honour)

Awards

- 2022 **Finalist: UK Alumni Award**
Category: Science and Sustainability
- 2019 **Community and Housing Development Award**
Community Organization Development Institute (CODI), Thailand
- 2014 **RAND Fellowship Award**
RAND Cooperation, Pardee Rand Graduate School on Public Policy, Santa Monica, USA
- 2013 **Best Young Researcher Award**
Thammasat University

Academic & Professional Experiences:

- 2000 - current **Lecturer and Associate Professor**
Faculty of Architecture and Planning, Thammasat University, Thailand
(Associate professor appointed in December 2021)
- 2020 - current **Director of Thammasat University Research Unit in Urban Futures and Policy**
Thammasat University, Thailand
www.urbanfuturestu.com <https://www.facebook.com/UrbanFutures.tu>
- 2021- current **Honorary life member** of the Thai City Planner Society
- 2015 - 2019 **Director of Urban Futures and Policy Research Unit**
Faculty of Architecture and Planning, Thammasat University, Thailand
- 2014 **Evaluation Team Member**
A Summative Evaluation of the Rockefeller Foundation's Asian Cities Climate Change Resilience Network
- 2012-2013 **Subcommittee of the National Assembly**
The Subcommittee of Political and Social Situation Analysis
- 2012-2013 **Associate Dean of International Affairs and Communication Development**
Faculty of Architecture and Planning, Thammasat University
- 2010-2012 **Associate Dean of International Affairs**
Faculty of Architecture and Planning, Thammasat University

Research:

- 2024 An Assessment of Climate Change Impact Chain: Human Settlement and Security Sector
(Role: Team Lead)
Grant: Department of Climate Change and Environment, Ministry of Natural Resources and Environment
Scope: Developing a framework, guideline, components, and indicators for climate change focusing on human settlement and security sector, as well as gathering relevant data to support the implementation of climate change adaptations in Thailand.
- 2023-2026 **Integrated Urban Climate Action for Low-Carbon & Resilient Cities (Urban Act): China, India, Indonesia, the Philippines, and Thailand**
(Role: Research Team Lead for Phuket, Thailand)
Grant: Federal Ministry for Economic Affairs and Climate Action (BMWK)
Scope: The project aims to support the transformation towards low-carbon and resilient urban development as well as contribute to the implementation of national climate change targets and the Sustainable Development Goals. 1) Improved institutional environment for climate-sensitive urban development 2) Evidence-based and inclusive climate-sensitive spatial and urban planning 3) Project concepts for urban climate action investment identified 4) Enhanced knowledge through regional networking, exchange, and learning
- 2023-2025 **A Development of Foresight Tool for Actional Framework of Urban Health Inequalities: Case Study in Bangkok**
(Role: Team Lead)
Grant: Thailand Health Promotion Foundation
Scope: Identifying the indicators for Social Determinants of Health in Thailand and developing a foresight tool for social engagement to promote future health equality in cities
- 2023-2024 **A Feasibility Study of an Urban Regeneration Plan for Huai Kwang Community**
(Role: Team Lead)
Grant: National Housing Authority
Scope: developing a master plan of Huai Kwang Community, engaging community in the process and using co-design approach to develop the plan. Analyzing feasibility studies and real estate opportunities to ensure sustainable and inclusive growth of existing poor income communities and new commers.
- 2023 **A study of Community Development Approach on Lower-Chao Phraya River Basin and Waterside Communities toward Sustainable livelihood and Resilient Communities (stage 1)**
(Role: Team Lead)
Grant: Community Organization Development Institute (CODI)
Scope: Developing database and community development approaches for low-income communities those will be affected by the flood protection project and promoting social and environmental safeguards and suggesting integrated and area-based community development towards sustainable and resilient upgrading and resilient resettlement.
- 2022-2023 **Integrating Social Vulnerability Indexes (SOVI) into Land Use Planning: Case Study of Bangkok Metropolitan Region: Integrated Indexes to Promote SDG 1.5, 11.5 and 13.1**
(Role: Team Lead)
Grant: National Research Council of Thailand
Scope: Developing integrated indexes to understand social vulnerabilities from climate hazards of flood and drought for low-income communities and mainstreaming SOVI indexes into land use planning in Thailand and promoting SDG 1.5, 11.5 and 13.1
- 2021-2024 **Linking Disaster Risk Governance and Land-use Planning: the case of informal settlements in hazard prone areas in the Philippines, Vietnam and Bangkok (LIRLAP)**
(Role: Bangkok Team Lead)
Grant: Federal Ministry of Education and Research
Collaboration: The Institute of Spatial Planning (IRPUD), TU Dortmund University and the Institute of Spatial and Regional Planning (IREUS), University of Stuttgart
Scope: approaches of relocation and upgrading in urban development with pilot projects, co-producing climate-adapted upgrading, and retreat with inhabitants to elevate livelihoods, and mainstreaming locally viable strategies for upgrading and retreat and integrating resilience planning via stakeholder capacity building

Research:

- 2020-2021 **Regional Circular and Ecological Spheres: Udon Thani City Region Resilience**
(Role: Team Lead)
Grant: Institute for Global Environmental Strategies (IGES), Japan
Scope: Developing demand and supply model for water, human and public service resources and identifying stakeholder platform to drive urban and rural linkage strategies.
- 2020-2022 **Global Future Cities Southeast Asia Programme: Equitable Transit-Oriented Development (TOD) Plan for Khlong Bang Luang area and Bang Wa BTS Station in Bangkok, Thailand**
(Role: Local team lead)
Grant: Prosperity Fund, United Kingdom
Scope: Preparation of a Transit-Oriented Development Plan within the specified Khlong Bangluang area and Bang Wa BTS station to help demonstrate how the government's investment in enhanced transport access and connectivity can drive inclusive economic planning and sustainable development.
- 2020-2022 **Development of the Climate Technology Roadmap and Database: Adaptation, Sector: Human Settlement and Security**
(Role: Team Lead for Human Settlement and Security Sector)
Grant: Thai-German Climate Programme: Climate Policy, GIZ in partnership with the Office of Natural Resources and Environmental Policy and Planning (ONEP) and the Office of National Higher Education, Science, Research and Innovation Policy Council (NXPDI)
Scope: addressing technology needs in all 6 priority sectors specified in National Adaptation Plan (NAP) of Thailand, comprising agriculture and food security, water management, natural resources management, human settlement and security, tourism, and public health. After prioritising technology options, technology roadmap and database, the concept notes for all 6 sectors are developed accordingly.
- 2020-2021 **A Project to Increase Efficiency in Driving National Climate Change Policy: A Development of Climate Risk Database and Map**
(Role: Team Lead for Human Settlement and Security Sector)
Grant: Office of Natural Resources and Environmental Policy and Planning (ONEP)
Scope: Identifying climate hazards and non-climate indicators for all 6 national adaptation sectors together with databases and maps.
- 2019 **An Assessment of a Stage of the Sustainable Development Goal in Thailand and Possible Alternatives of Economic, Social and Legal Measures: SDG-Goal 11 (Sustainable Cities and Communities)**
(Role: Team Lead)
Grant: Thailand Research Fund (TRF)
Scope: aims to assess the stage and the readiness of the SDG-Goal 11 in Thailand with a view to make cities and human settlements inclusive, safe, resilient and sustainable. This research also studies the current stage, level of achievement and capability of the related public and private sectors to purpose different types of measures and other national indicators to foster an integrated and achievable SDG-Goal 11 for sustainable cities in Thailand.
- 2018-2019 **Urban Resilience Planning and Adaptive Urban Governance: A case study of Udon Thani City Region**
(Role: Team Lead)
Grant: GIZ and in collaboration of ONEP and SEA START under an implementation of National Adaptation Plan
Scope: The aim is to using planning instruments to integrate climate change adaptation into land use planning and giving examples of how to implement the Thailand National Adaptation Plan into practices. Zoning measures to avoid climate risk are identified. Adaptive urban governance is designed to operate adaptation in response to uncertain external challenges, aligning vertical and horizontal institutional gaps.

Research:

- 2017-2019 **Planning for Eco-cities and Climate-resilient Environments: building capacity for inclusive planning in the Bangkok Metropolitan Region (PEACE-BMR)**
(Role: Team Lead)
Grant: Newton Fund (Institutional Link Programme) in collaboration with International Institute for Environment and Development (IIED) of the UK
Scope: strengthening research links between the UK & Thailand to develop existing research capacity on urban climate resilience & inclusive, low carbon development. This collaboration will equip urban actors with the skills and networks to address environmental & climatic issues facing Bangkok, with a specific focus on ensuring the inclusion of particularly vulnerable, low-income communities. The eco-resilience toolkit is designed to encourage social learning towards participatory planning processes and eventually create plans for community resilience to climate change and external shocks.
- 2016 **Thailand Knowledge Assessment on Sustainable City**
(Role: Team Lead)
Grant: Thailand Research Fund (TRF)
Scope: Assessing the current stage of knowledge on sustainable cities in Thailand and identifying gaps for future research supports.
- 2015-2016 **The 2nd Thailand Assessment Report on Climate Change**
(Role: Team Lead for the Chapter of Resilient Settlement to Climate Change: A Case of Megacity)
Grant: Thailand Research Fund (TRF)
Scope: Assessing the current stage of knowledge on climate resilient settlements in Thailand and identifying gaps for future research supports, especially for a case of big cities.
- 2014-2016 **Impact Evaluation for the Livelihood Support for the Urban Poor Project**
(Role: Team Lead)
Grant: World Bank (Post-flooding Program)
Scope: Evaluating the impact of financial support for the post-flooding livelihood improvement projects for the urban poor.
- 2011-2016 **Coastal Cities at Risk (CCaR): Building Adaptive Capacity for Managing Climate Change in Coastal Megacities: Cases in Bangkok Metropolitan Region, Vancouver, Lagos and Manila**
(Role: Bangkok Metropolitan Region Team Lead)
Grant: International Development Research Centre (of Canada), International Research Initiative on Adaptation to Climate Change
Scope: Coastal Cities at Risk (CcaR) is an interdisciplinary research - natural, engineering, sociopolitical-economic and health scientists and has objectives to develop the knowledge base and enhance the capacity of mega-cities to successfully adapt to and when necessary, cope with risks posed by the effects of climate change, including sea level rise, in the context of urban growth and development. The objectives are A. Advance knowledge of climate change adaptation and disaster risk reduction, B. Develop strategies and methodologies for climate change adaptation, and C. Enhance practitioner and academic capacity and transfer knowledge.
- 2014-2015 **Characterizing Public and Private Adaptation to Climate Risks and Implications for Long-Term Adaptive Capacity in Asian Megacities (Mumbai, Manila & Bangkok)**
(Role: Bangkok Team Lead)
Grant: Asia Pacific Network for Global Change Research (APN)
Scope: This Study characterizes public and private adaptation measures in the three cities, Mumbai (India), Bangkok (Thailand) and Manila (Philippines) by using primary data gathered from households and commercial/industrial establishments and secondary data obtained from government entities and also evaluates their effectiveness and contribution to long-term resilience.
- 2014-2016 **Socioeconomic risk assessment of flooding in the urban area of Udonthani for the risk management of climate change**
(Role: Research Team Member)
Grant: Thailand Research Fund
Scope: using spatial analysis to understand risks, especially from socioeconomic development of cities. Analyzing institutional gaps to integrate climate risk and adaptation into city planning.

Research:

- 2012-2013 **Private Sector Investment Decisions in Building and Construction: Increasing, Managing and Transferring Risks: Case Study of Thailand**
(Role: Thailand Team Lead)
For UNISDR's Global Assessment Report (2013)
In Collaboration with University College London, UK
- 2012-2013 **Thailand Country Report**
(Role: Thailand Team Lead)
For The Third Global Observatory on Local Democracy and Decentralisation (GOLD III)
By the United Cities and Local Governments Asia Pacific (UCLG ASPAC)
- 2010-2013 **Incremental Housing: Thailand and Vietnam's Experiences**
(Role: Team Lead)
In collaboration with Global Consortium for Incremental Housing, Massachusetts Institute of Technology
- 2011 **The First Thailand Assessment Report on Climate Change (The 1st TRAC), WGII: Impacts, Vulnerability and Adaptation**
(Team Lead for the Chapter: Vulnerability, Risk and Adaptation of Urban and Infrastructure, Thailand)
Grant: Thailand Research Fund (TRF)
Scope: Assessing the stage of knowledge of climate adaptation in Thailand, focusing on human settlement and security sector.
- 2010-2011 **Enhancing Adaptation to Climate Change by Integrating Climate Risk into Long-term Development Plans and Disaster Management: Cases in Bangkok, Manila and Mumbai**
(Role: Bangkok Team Lead)
Grant: Asian Pacific Network for Global Change Research (APN)
Scope: Analysis of primary and secondary data to measure the physical, economic and social losses in the case study cities. Examining the short to medium term responses from the local government and citizens and evaluating if they enhance the adaptation capacity of the cities to cope with future weather events and flood risks.
- 2010-2011 **A Development Guideline of Creative Economy for Social Equality in Urban Bangkok**
(Role: Team Lead)
Grant: Thailand Research Fund (TRF)

Publications:

- 2023 Siranut Sununtharod, Wijitbusaba Marome, Boonanan Natakun, Ponson Liengboonlertchai Nakhara: *Journal of Environmental Design and Planning*; 22(2): Article 311 "Urban Policy Supporting Cultural Adequacy in Nang Loeng, Bangkok" (October, 2023)
- 2022 Natakun, B., Marome, W., Archer, D. (2022) "Co-identifying processes of community resources: Participatory planning for community resilience in Bangkok Metropolitan Region (BMR)" in the *Kasetsart Journal of Social Sciences*
- 2022 Marome, W., Rodkul, P., Mitra, M., Dusgupta, R., Kataoka, Y. (2022) "Towards a more sustainable and resilient future: Applying the Regional Circulating and Ecological Sphere (R-CES) concept to Udon Thani City Region, Thailand" in *Progress in Disaster Science*. Vol. 14 <https://doi.org/10.1016/j.pdisas.2022.100225>
- 2021 Marome, W., Natakun, B. and D. Archer (2021). "Examining the Use of Serious Games for Enhancing Community Resilience to Climate Risks in Thailand" *Journal: Sustainability*, Volume 13, Issue 8 (2021)
- 2021 Marome, W. and R. Shaw (2021). "Covid-19 Response in Thailand and Its Implications on Future Preparedness" *Journal: International Journal of Environmental Research and Public Health*, Volume 18, Issue 3 (2021)
- 2020 Archer, D., Marome, W., Natakun, B., Mabangyang, P. and N. Phanthuwongpakdee (2020). "The Role of Collective and Individual Assest in Building Urban Community Resilience" *Journal: International Journal of Urban Sustainable Development*, Volume 12, Issue 2 (2020), page 169-186

Publications:

- 2019 Marome, W. and Polcharoen, T. (2019) **Institutional Analysis of Limitations to Climate Resilient Urban Development Planning: the Case of Udon Thani Province.** in *EnvironmentAsia*, 12(3), DOI: 10.14456/ea.2019.40
- 2019 Phanthuwongpakdee, N., Marome, W., Archer, D., and Boonanan Natakun (2019) **Expect the Unexpected: Planning for Urban Resilience to Future Crises.** International Symposium on Disaster Resilience and Sustainable Development. 7-8 March 2019. Thailand
- 2018 Marome, W. (2018) Chapter 6: Coping with Scarcity and Urban Water Governance: Case of Udon Thani's City Region. in Bhaswati Ray and Rajib Shaw (eds), **Urban Drought: Emerging Water Challenges in Asia.** Springer. Page 87-99.
- 2018 Marome, W., Archer, D., Natakun, B. and Nuttavikhom Phanthuwongpakdee (2018), **The Value of Collective and Individual Assets in Building Urban Community Resilience.** in Proceedings of IFoU 2018: Reframing Urban Resilience Implementation: Aligning Sustainability and Resilience in IFoU 2018: Reframing Urban Resilience Implementation: Aligning Sustainability and Resilience session Community Resilience. 10-12 December 2018. Barcelona, Spain. <https://sciforum.net/paper/view/f7336dde1814a5a8bc75664fbc680f09>
- 2018 Marome, W., Archer, D., Natakun, B. and Nuttavikhom Phanthuwongpakdee (2018) **The Value of Collective and Individual Assets in Building Urban Community Resilience.** 2018 Southeast Asia Disaster Risk Governance Academic Seminar. 24-26 September 2018. Thailand
- 2017 Book: **Thailand Knowledge Assessment on Sustainable City.** การประเมินองค์ความรู้ด้านเมืองยั่งยืนในประเทศไทย. นครปฐม: ศูนย์วิจัยและฝึกอบรมนิเวศวิทยาอุตสาหกรรม คณะสิ่งแวดล้อมและทรัพยากรศาสตร์ มหาวิทยาลัยมหิดล.
- 2017 Book: ศูนย์วิชาการนานาชาติด้านการเปลี่ยนแปลงสภาพภูมิอากาศ องค์การบริหารจัดการก๊าซเรือนกระจก (องค์การมหาชน) (ITC) (2560). วิจิตรบุษบา มารมย์ (ผู้ร่วมแต่ง) **เมืองแห่งอนาคต: แนวทางการวางแผนพัฒนาเมืองและชุมชนภายใต้แนวคิดการปรับตัวต่อการเปลี่ยนแปลงภูมิอากาศ.** สมุทรปราการ: โรงพิมพ์ปาร์วี
- 2017 Marome, W., Pholcharoen, T. & Wongpeng, N. (2017) **Developing and Using Board Game as a Tool for Urban Social Resilience and Flood Management Planning in Bangkok Metropolitan Region.** in *Urbanisation* 2(1), 1-10.
- 2016 Marome, W. (2016) **Enhancing Adaptation to Climate Change by Impact Assessment to Flood in Bangkok.** in *Journal of Architectural Research and Studies* 13 (2).
- 2016 **The Second Thailand Assessment Report on Climate Change**
Leading Author of Chapter: Resilient Settlement to Climate Change: A Case of Megacity (publication)
Thailand Research Fund (TRF)
- 2016 Marome, W. (2017) Chapter 23: River Basin and Land Use Lessons from Bangkok, Thailand. in Michiko Banba and Rajib Shaw (eds), **Land Use Management in Disaster Risk Reduction.** Springer
- 2015 Patankar, A., Patwardhan, A., Marome, W and Porio, E. **Characterizing Public and Private Adaptation to Climate Risks and Implications for Long-Term Adaptive Capacity in Asian Megacities** (Research publication) APN E-Lib, accessed February 24, 2016, <http://www.apn-gcr.org/resources/items/show/1897>.
- 2015 Patankar, A., Patwardhan, A., Marome, W and Porio, E. **Characterizing Public and Private Adaptation to Recurring Floods and Implications for Long-Term Adaptive Capacity in Asian Megacities** (Research paper) APN Science Bulletin 2015, APN E-Lib, accessed February 24, 2016, <http://www.apn-gcr.org/resources/items/show/1990>.
- 2014 **Mapping and Measuring Social Vulnerability of Coastal Areas of Bangkok and Peripheries** (Paper) ICLEI Local Government for Sustainability 5th Global Forum on Urban Resilience and Adaptation 2014
- 2013 **Urban Risk and Vulnerabilities of Coastal Megacity of Bangkok** (Paper) ICLEI Local Government for Sustainability 4th Global Forum on Urban Resilience & Adaptation 2013
- 2013 Johnson, C., Adelekan, I., Arefian, F. Boshier, L., Jabeen, H., Kataria, S., Marome, W.A. and Zerjav, B. ,2012. **Private Sector Investment Decisions in Building and Construction: Increasing, Managing and Transferring Risks.** Geneva, Switzerland: UNISDR. (Research paper)
- 2013 Marome, W.A.,2012. **Private Sector Investment Decisions in Building and Construction: Increasing, Managing, and Transferring Risks: A Case Study of Thailand.** Geneva, Switzerland: UNISDR. (Research paper)

Publications:

- 2013 **The Third Global Observatory on Local Democracy and Decentralisation (GOLD III)** (Research publication) <http://www.uclg.org/en/Issues/access-basic-services-gold-iii-report>
- 2013 **Impacts of Extreme Weather Events and Implications for Adaptation Planning for Coastal Cities** (Research paper) Patankar, A. (et.al) in APN Science Bulletin: 2013, APN E-Lib, accessed February 24, 2016, <http://www.apn-gcr.org/resources/items/show/1879>.
- 2012 **Bangkok: Data Need and Challenge** (paper) 2012 Advanced Institute Data on Coastal Cities at Risk By IRDR, START, ICSU, NCDR
- 2012 **Enhancing Adaptation to Climate Change by Integrating Climate Risk into Long-term Development Plans and Disaster Management: A Case in Bangkok** (paper) 2nd Asia-Pacific Climate Change Adaptation Forum by Adaptation Knowledge Platform, SEI, Sida and UNEP
- 2012 **Chapter 14: Gendered Mobility of Working Couples: A Case of soi Sukhumvit 22** Book Chapter in Gender, Roads and Mobility in Asia, edited by Kyoko Kusakabe
- 2011 **The First Thailand Assessment Report on Climate Change (The 1st TRAC), WGII: Impacts, Vulnerability and Adaptation**
Leading Author of Chapter: **Vulnerability, Risk and Adaptation of Urban and Infrastructure, Thailand** (publication) Thailand Research Fund (TRF)
International Workshop on Building Adaptive Capacity for Managing Climate Change Risks in Asian Coastal Cities (CCaR II) (paper) By START, East-West Center, APN, IRDR Title: Improving the Characterization of Impact Variables to Extreme Flood Events: A Case Study of the Flood 2006 in Bangkok