

SIRINYA KAIKEAW

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1. PROFESSIONAL SUMMARY

Demographer with a Ph.D. from Mahidol University, Thailand and over a decade of research experience in population studies, public health, and social policy. Currently serving as a Postdoctoral Research Fellow at the University of Bologna within the project "Assessing Population Dynamics under Global Climate Change" (POPCLIMA), focusing on the intersection of population dynamics and climate change. Skilled in demographic analysis, population projection, and the study of health inequalities, with a strong track record of contributions to nationally and internationally funded research initiatives.

Research interests lie at the intersection of demography, population aging, population projection, public health, health inequalities, health economic, health policy, population and environment, climate change.

2. EDUCATION

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| 2022 | Ph.D. | Demography (International Program) at Institute for Population and Social Research (IPSR), Mahidol University, Thailand. |
| 2014 | M.A. | Population and Social Research at Institute for Population and Social Research (IPSR), Mahidol University, Thailand. |
| 2010 | B.A. | Social Research at Faculty of Social Sciences, Naresuan University, Thailand (2 nd Class Honors). |

Ph.D. Dissertation: "Socioeconomic Inequalities in Health Outcomes among the Older Population in the Era of Thailand's Universal Health Coverage". Committee: Sureeporn Punpuing (Advisor), Mark J. VanLandingham, and Chalermopol Chamchan.

3. SCHOLARSHIP AND AWARDS

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| 2024 | "Excellent Thesis Award", Fiscal Year 2024 by the Faculty of Graduate Studies, Mahidol University |
| 2017 | The Royal Golden Jubilee (RGJ) Ph.D. Program supported by the National Research Council of Thailand under the Ministry of Higher Education, Science, Research and Innovation |
| 2013 | National Research University (NRU) supported by IPSR Mahidol University |
| 2012 | The Welcome Trust of The United Kingdom and IPSR Graduate Scholarship supported by IPSR Mahidol University |
| 2010 | 2 nd Class Honors on bachelor's degree, Naresuan University |

4. VISITING SCHOLAR

December 2021- May 2022 at Tulane University's School of Public Health and Tropical Medicine, New Orleans, LA, USA. I was supervised by Professor Dr. Mark J. VanLandingham. This international research experience was supported by the RGJ scholarship.

5. WORK EXPERIENCE

- March 2023 – Present **Postdoctoral Research Fellow**
“Population Dynamics under Global Climate Change” (POPCLIMA),
Department of Statistical Sciences, University of Bologna, Italy
- 2014-2016, 2018– 2023 **Project-Based Researcher**
Institute for Population and Social Research, Mahidol University, Thailand

6. PROFESSIONAL RESEARCH EXPERIENCES

- 2023 – Present Department of Statistical Sciences, University of Bologna, Italy
Postdoctoral Research Fellow
- Authored the manuscript “*Spatial and Sociodemographic Heterogeneities in Climate-Related Mortality: A Systematic Literature Review*”
 - Co-authored the manuscript “*Temperature-related mortality in countries with cold climates: a systematic mapping review*” (on process), collaborating with a Ph.D. student.
 - Served as co-supervisor for a Master student, Thesis topic “*Climate-induced migration: the international immobility and the Italian way*”(2025)
- 2018-2022 Institute for Population and Social Research, Mahidol University
Project-Based Researcher
- Project: “*The Master Plan of Water supply infrastructure*” supported by Metropolitan Waterworks Authority (Demographic Expert for Population Projection)
 - Project: “*The Project of City Planning in Maha Sarakham Province*” supported by Department of Public Works and Town & Country Planning (Demographic Expert for Population Projection)
 - Project: “*The Project of Feasibility Study and Preliminary Design for Logistics Centers in Mae Sai and Chiang Saen District, Chiang Rai Province*” supported by Department of Public Works and Town & Country Planning (Demographic Expert for Population Projection)
 - Project: “*Population Structure and Policy in Singapore in Relation to Thailand’s Development in ASEAN Economics Community (AEC)*” supported by The Thailand Research Fund (TRF)
- 2014-2016 Institute for Population and Social Research, Mahidol University
Project-Based Researcher
- Project: “*Study of Centenarians in Thailand*” supported by The Thailand Research Fund (TRF)
 - Project: “*Research and Development Project on Survey and Estimates of Housing Demand in Thailand during the 12th National Economic and Social Development Plan (2017-2021) for the ASEAN Community*” supported by National Housing Authority. (Demographic Expert for Housing Projection)
 - Project: “*The Study Project on Housing Demand Forecast in Thailand for the Twelfth Economic and Social Development Plan (2017-2021)*” supported by National Housing Authority. (Demographic Expert for Housing Projection)

- 2014 Institute for Population and Social Research, Mahidol University, Thailand
Dissertation: “Needs for Assistance of the Thai Elderly Living Alone” supported by National Research University (NRU.) and The Wellcome Trust of The United Kingdom
- 2010-2012 Faculty of Social Sciences, Naresuan University, Thailand
Researcher
- Project: “The Social Safety Nets for Elderly Base on Family: A Case Study of Urban of Phitsanulok” supported by Thailand Research Fund (TRF)
 - Project: “A Study of Service Quality of Hotels in Phitsanulok Province: A Case Study of Foreign Tourists” supported by Thailand Research Fund (TRF) and Tourism Authority of Thailand (TAT)

7. PUBLICATIONS

- 2023 **Sirinya Kaikeaw**, Sureeporn Punpuing, Chalernpol Chamchan, Pramote Prasartkul. 2023. Socioeconomic inequalities in health outcomes among Thai older population in the era of Universal Health Coverage: trends and decomposition analysis. *International journal for equity in health*, 22(1), 144. doi:10.1186/s12939-023-01952-0
- 2016 Aphichat Chamrathirong, Sureeporn Punpuing, Charamporn Holomyong, Chalernpol Chamchan, Kanya Apipornchaisakul and **Sirinya Kaikeaw**. 2016. “The Typology of Social Integration of Cross border Migrant Workers in Thailand.” In *Population and Social 2016 Thailand in the Era of Transnational Migration*, edited by S. Punpuing, C. Holomyong, S. Chuanwan, R. Kerry, W. Lylla, and V. Macre, 55–69. Nakhon Pathom, Thailand: Mahidol University, Institute for Population and Social Research.
- 2016 Pramote Prasartkul, Jongjit Rittirong and **Sirinya Kaikeaw**. 2016. “Household Projection of the Thai Population during 2010-2020”. *Journal of Population and Social Studies*, 4 (2). September, pp. 45-60.

8. WORKING PAPERS

- 2026 **Sirinya Kaikeaw**, William Kemp, Rosanna Gualdi, Raya Muttarak (2026). Spatial and sociodemographic heterogeneities in climate-related mortality: a systematic literature review (No.166). Milan: Dondena Centre for Research on Social Dynamics and Public Policy, Bocconi University.
<https://dondena.unibocconi.eu/spatial-and-sociodemographic-heterogeneities-climate-related-mortality-systematic-literature-review>

9. PROCEEDING

- 2025 **Sirinya Kaikeaw**, William Kemp, Rosanna Gualdi, Raya Muttarak. 2024. “Spatial and sociodemographic heterogeneities in climate-related mortality: a systematic literature review” at the 30th International Population Conference (IPC2025), July 13-18, 2025, Brisbane, Australia
- 2024 Raya Muttarak, **Sirinya Kaikeaw**, William Kemp, Vinod Joseph, Rosanna Gualdi. 2024. “Climate change and mortality” at UN Brown-bag seminar, the Population Council, April 15, 2024, New York, USA.

- 2024 **Sirinya Kaikeaw**, William Kemp, Rosanna Gualdi, Raya Muttarak. 2024. “*Spatial and sociodemographic heterogeneities in climate-related mortality: a systematic literature review*” at the Population Association of America 2024 (PAA2024), April 17-20, 2024, Columbus, Ohio, USA.
- 2023 **Sirinya Kaikeaw**, Sureeporn Punpuing, Chalermopol Chamchan, Mark VanLandingham, Pramote Prasartkul. 2023. “*Socioeconomic inequalities in health outcomes among the older population in the era of Thailand’s Universal Health Coverage*”. The National RGJ and RRI Conferences 2023: Social Sciences and Humanities, August 7th, 2023, Bangkok, Thailand.
- 2017 Aphichat Chamrathirong, Charamporn Holumyong, Sureeporn Punpuing and **Sirinya Kaikeaw**. 2017. “*A Multi-level Analysis of the Failure of Social Integration on Mental Health Status of Migrant Workers in Thailand*”. Prince Mahidol Award Conference (PMCA) 2017, January 29th – 3rd, 2017, Bangkok.
- 2014 **Sirinya Kaikeaw** and Pramote Prasartkul. 2014. “*Needs for Assistance of the Thai Elderly Living Alone*”. The 8th Humanities and Social Sciences Research Forum., February 7th, 2014, Faculty of Humanities and Social Sciences, Burapha University, Thailand.
- 2011 **Sirinya Kaikeaw**. 2010. “*Living Agreement and The Happiness of the Thai elderly*”. The 11th. Conference of Thailand’s Sociology and Anthropology Graduate Student Network, March 3rd - 4th, 2011, Daiichi Hotel, Songkhla, Thailand.
- 2010 **Sirinya Kaikeaw** and Chamaiporn Kanchanakijksakul. 2010. “*Factors Influencing Happiness in Thai Elderly Living Alone*”. The 2010 Thai National Symposium on Population Studies, November 25- 26, 2010, The Twin Tower Hotel, Bangkok, Thailand.

10. POSTER PRESENTATIONS

- 2025 **Sirinya Kaikeaw**, Mikhail Maksimenko. 2025. “*Temperature-related mortality in countries with cold climates: a systematic review*” at The PopDays 2025, June 4-6, 2025, Cagliari, Italy.
- 2024 **Sirinya Kaikeaw**, William Kemp, Rosanna Gualdi, Raya Muttarak. 2024. “*Spatial and sociodemographic heterogeneities in climate-related mortality: a systematic literature review*” at the European Population Conference 2024 (EPC2024), June 12-15, 2024, Edinburgh, Scotland.
- 2023 William Kemp, **Sirinya Kaikeaw**, Rosanna Gualdi, Raya Muttarak. 2024. “*Spatial and sociodemographic heterogeneities in climate-related mortality: a systematic literature review*” at the Third Asian Population Forum, October 31 to November 1, 2023, Shanghai University, China.
- 2019 **Sirinya Kaikeaw**, Jongjit Rittirongand and Sureeporn Punpuing. 2019. “*Health Expectancy among Older People in Thailand*”. the Wittgenstein Center Conference 2019: Demographic Aspects of Human Well-being., November 11-12, 2019, Vienna, Austria.

11. TRAINING, SHORT COURSES AND CERTIFICATIONS

- July 12, 2025 The pre-conference workshop “*Exploring and Analyzing Satellite Data with R and Git Code Tracking*” at the University of Queensland’s St Lucia Campus, Brisbane, Australia.
- June 30- July 4, 2025 Barcelona Summer School of Demography (BSSD) on “*Module 1: An introduction to R*” (Online:20 hours) at the Centre for Demographic Studies (CED), Barcelona, Spain.

- October 25-30, 2023 A training workshop on “*Multidimensional and multiscale demographic modelling for environmental and climate change scenario development*” at Asian Demographic Research Institute (ADRI), Shanghai University, China.
- June-July, 2023 Course Enrollment on “*Basic Course in R for Historical Demography*” (Online), at Department of Economic and Business Sciences, University of Sassari, Italy
- June 7-10, 2022 MRDRG Workshop: “*Longitudinal & Multilevel Data Analysis for Social Science and Migration Research*” at Institute for Population and Social Research, Mahidol University, Thailand (collaboration with the University of Utah’s Asia Center, USA).
- May 23-24, 2022 “*Qualitative Analysis Workshop, Featuring NVIVO*” at Tulane University School of Public Health and Tropical Medicine, New Orleans, LA, USA.
- January 25-May 3, 2022 The semester-long course “*SBPS 7340: Population Mobility and Health*” at Tulane University School of Public Health and Tropical Medicine, New Orleans, LA, USA.
- October 8-17, 2018 A short-term postgraduate course program “*Collaborative Research and Education on Global Health*” under SAKURA Exchange program in Science at Hokkaido University’s School of Medicine, Sapporo, Japan.

12. TEACHING EXPERIENCES

- February 2026 **University of Canberra, Australia**
Pre-recorded lecture for the course “Healthy People and Planet”: Session on “Population Dynamics in a Changing Climate”
- May 28, 2025 **Department of Statistics, Computer Science, Applications (DiSIA), University of Florence, Italy**
Teaching course sessions on the topic “Considering the impact of climate change on future population dynamics”
- July 31, 2024 **International Training Centre of the ILO, Turin Campus, Turin, Italy**
Future Leaders in the World of Work - South-south Summer University
Teaching three elective course sessions on the topic "The Global Population Trends and Climate Change"
- 2018-2019 **Institute for Population and Social Research, Mahidol University, Thailand**
Teaching assistant in master’s courses “PRDS 550 Substantive Demography” and “PRDS 555 Analytical Techniques in Demography”

13. TECHNICAL EXPERTISE

Languages: Thai (native), English (professional working proficiency)

Softwares: Microsoft Office, SPSS, Stata, NVIVO, R (basic)

14. REFEREES

1. Professor Raya Muttarak, Ph.D.
E-mail: raya.muttarak@unibo.it
Department of Statistical Sciences, University of Bologna
Via Belle Arti 41, Bologna 40126, Italy
2. Professor Sureeporn Punpuing, Ph.D.
E-mail: sureeporn.pun@mahidol.edu
Institute for Population and Social Research, Mahidol University, Salaya Campus
999 Phutthamonthon 4 Road Phutthamonthon, Nakhon Pathom 73170, Thailand

3. Thomas C. Keller Professor Mark J. VanLandingham, Ph.D.
E-mail: mvanlan@tulane.edu
Founding Director, Center for Studies of Displaced Populations
Department of International Health and Sustainable Development
Tulane University's School of Public Health and Tropical Medicine
1440 Canal Street, Suite 2210, Mail Code #8319; New Orleans, LA 70112, USA

4. Emeritus Professor Pramote Prasartkul, Ph.D.
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Institute for Population and Social Research, Mahidol University, Salaya Campus
999 Phutthamonthon 4 Road Phutthamonthon, Nakhon Pathom 73170, Thailand