

# International workshop on Climate-Resilient Development in Southeast Asia

- Time: July 26-27, 2024 (two full days 8:30-18:30)
- Venue: Tsai Auditorium, CGIS South Building, 1734 Cambridge St, Cambridge, MA 02138
- Virtual participation via Zoom Seminar, ID:\*\*\*\*\*, Passcode: \*\*\*\*\*

(Preliminary agenda for internal use, subject to changes)

Day 1 – Friday July 26, 2024

Time	Activity	Moderator
8:00-8:30	<b>Registration</b>	
8:30-9:00	<b>Welcome and Opening Remarks</b>	Chris Nielsen (HCP, Harvard)
9:00-10:30 (30+15 min. each)	<p><b>(tbc, general climate-resilient development)</b>  <i>Ed Carr, Center Director, Senior Researcher, Stockholm Environment Institute in the US</i></p> <p><b>Dynamics of Coastal Areas - a historical review to inform future development strategies for the Mekong Delta</b>  <i>Van P.D. Tri, Professor and Director, Research Institute for Climate Change (DRAGON-Mekong Institute), Can Tho University, Viet Nam</i></p>	Emlyn Yang (HCP, Harvard; LMU Munich)
10:30-11:00	Group Photo / Coffee break / Poster session	
11:00-12:30 (3 talks + 18 Poster pitches)	<p><b><u>Session on Climate Resilience for Health and Well-being</u></b></p> <p><b>Developing a Climate-Resilient Healthcare System</b>  <i>Caleb J Dresser, MD, MPH, Instructor, Environmental Health, Harvard T.H. Chan School of Public Health, Harvard University</i></p> <p><b>Exploring the Role of Primary Health Care and Health Data in Addressing Climate-Related Health Risks</b>  <i>Rina Suryani Oktari, Associate Professor and Head of Graduate Program in Disaster Science, Universitas Syiah Kuala, Banda Aceh, Indonesia</i></p> <p><b>Indigenous Epistemologies for Sustainable Futures: Insights from Indonesia's Suku Anak Dalam on Climate Change Resilience, Food Sovereignty, and Health Equity</b>  <i>Sadar Ginting, PhD student, Chiang Mai University, Chiang Mai, Thailand</i></p> <p><b>One minute pitch by each poster presenters (~18 posters)</b>  <i>All poster presenters</i></p>	Emlyn Yang (HCP, Harvard; LMU Munich)
12:30-14:00	Lunch break / Poster session	
14:00-15:40 (15+5 min. each)	<b><u>Session on Coastal and Flood Resilience</u></b>	Vincenzo Bollettino (HHI, Harvard)

	<p><b>Baha, Banjir, Flood: Different Names, Same Risks? Integrating Community Efforts in Disaster Governance in BIMP-EAGA</b>  <i>Maria Carinnes P. Alejandria, Assistant Professor of Anthropology, Department of Sociology and Anthropology, Universiti Brunei Darussalam, Brunei</i></p> <p><b>Modeling the long-term social resilience to flood impacts in the Mekong basin</b>  <i>Liang Emlyn Yang, Senior Researcher (Assistant Professor), Department of Geography, LMU Munich, Germany; &amp; Visiting Fellow at Harvard-China Project, Harvard University</i></p> <p><b>Strategic behaviors in index insurance and levee maintenance: tipping behaviors under sea level rise</b>  <i>Woi Sok Oh, Postdoctoral Research Associate, Princeton University, Princeton, USA</i></p> <p><b>Evaluating Flood Risk and Adaptation Options for a Coastal Megacity – The Case of Rain-Induced Nuisance Flooding in Ho Chi Minh City, Vietnam</b>  <i>Leon Scheiber, PhD student, Ludwig-Franzius-Institute, Leibniz University Hannover, Hanover, Germany</i></p> <p><b>Social Dimensions of Coastal Advance as an Adaptation Strategy in Southeast Asian Cities</b>  <i>Ven Paolo B. Valenzuela, Research Fellow, Asia Research Institute, National University of Singapore</i></p>	
15:40-16:00	Coffee break / Poster session	
16:00-17:00 (15+5 min. each)	<p><b><u>Session on Modeling and Measuring Climate Resilience</u></b></p> <p><b>Harvard Visualization Research and Teaching Laboratories Participatory Geospatial Agent-based Modeling on Simtables for Collective Intelligence, Situational Awareness and Community Resilience</b>  <i>Stephen Guerin, Senior Researcher, Harvard University, US</i></p> <p><b>Anticipatory AI for Climate Change Adaptation</b>  <i>Muhammad Imran, Senior Scientist, Qatar Computing Research Institute, Qatar</i></p> <p><b>Climate Modelling and Analytics for Urban Heat Risks Mitigation and Adaptation</b>  <i>Yuan Chao, Associate Professor, Director of Research NUS Cities, National University of Singapore</i></p>	Chris Nielsen (HCP, Harvard)
17:00-18:00 (15+5 min. each)	<p><b><u>Session on Social and Humanity Dimensions of Climate Resilience</u></b></p> <p><b>Vulnerability reduction for climate justice: Towards climate-resilient and equitable development in Southeast Asia</b>  <i>Lisa Hiwasaki (prefer to talk on Friday), University of Rhode Island, USA</i></p> <p><b>Divided we drown: Segregation and climate resilience in Metro Manila</b>  <i>Eunsoo Hyun, PhD student, University of Michigan, Ann Arbor, USA</i></p> <p><b>Leaky Plans: Gaps between representation and reality in Vietnamese regional adaptation planning.</b></p>	Chris Nielsen (HCP, Harvard)

	<i>Lizzie Yarina (requested for talk on Friday), Assistant Professor, Northeastern University, Boston, USA</i>	
18:30	Reception dinner at the venue (Lobby outside the Tsai Auditorium, CGIS South Building, 1734 Cambridge St, Cambridge, MA 02138)	

Day 2 – Saturday July 27, 2024

Time	Activity	Moderator
8:30-10:10 (15+5 min. each)	<p><b><u>Session on Climate Resilience in Energy and Food Systems</u></b></p> <p><b>The Energy Sector in Vietnam: Multidimensional Challenges under Economic and Climate Pressures, and Prospects for Private Sector Participation</b> <i>Le Viet Phu, Professor, Fulbright School of Public Policy and Management, Fulbright University Vietnam</i></p> <p><b>Envisioning Slow-onset Climate Change Impact and Human Mobility in Southeast Asia</b> <i>Saut Sagala, Associate Professor, Institut Teknologi Bandung, Indonesia</i></p> <p><b>Sustainable Water Management and Climate-Resilient Development in Agriculture in Southeast Asia</b> <i>Mutlu Ozdogan, Associate Professor, University of Wisconsin Madison, Madison, WI, USA</i></p> <p><b>Brewing robustness: Traversing climate pressures and building resilience in the Philippine coffee supply chain</b> <i>Ivee Fuerzas, PhD Student, The Hong Kong University of Science and Technology, Hong Kong</i></p> <p><b>Can Rice Farmers Become Climate Farmers? Platform Agriculture in the Vietnamese Mekong Delta</b> <i>Darius Sadighi, PhD Student, Princeton University, US</i></p>	Emlyn Yang (HCP, Harvard; LMU Munich)
10:10-10:30	Coffee break / Poster session	
10:30-12:30 (15+5 min. each)	<p><b><u>Session on Urban and Community Resilience</u></b></p> <p><b>Community-based socio-enterprise as institutional innovation for community self-governance of climate change resilience.</b> <i>Thi Phuoc Lai Nguyen, Professor, Asian Institute of Technology (AIT), Pathumthani, Thailand</i></p> <p><b>Factors Contributing to Disaster Preparedness and Resilience in the Philippines</b> <i>Vincenzo Bollettino, HHI and HSPH, Harvard University</i></p> <p><b>Building Resilience through Collaborative Community Mapping: Insights from CoPinThailand</b> <i>Aditya Barve, Research Scientist, Massachusetts Institute of Technology, US</i></p> <p><b>Urban resilience in the aftermath of tropical storm Washi in the Philippines: The role of autonomous household responses</b> <i>Karl Sam M. Maquiling, MSc, Supervisory environmental management specialist of the City Government of Iligan, Associate member, National Research Council of the Philippines, Philippines</i></p>	Emlyn Yang (HCP, Harvard; LMU Munich)

	<p><b>Assessing Flood Exposure Disparities Across Urban Morphologies in Metro Manila and Hanoi</b>  <i>Olabisi S. Obaitor, Postdoc researcher, Department of Geography, Ludwig-Maximilians-Universität (LMU), Munich</i></p> <p><b>Data-rich vs. Data-poor? Developing Regional Land-Use Models for Urban Resilience: Insights from the Mumbai Metropolitan Region</b>  <i>Supriya Krishnan, PhD student, TU Delft, Netherlands</i></p>	
12:30-14:00	Lunch break / Poster session	
14:00-15:40 (15+5 min. each)	<p><b><u>Session on Resilience Policy and Practices</u></b></p> <p><b>What it will take to bend the carbon curve fast enough, and what to do if we can't</b>  <i>David Dapice, Senior Economist, Rajawali Foundation Institute for Asia, Harvard University</i></p> <p><b>Capacity for Change: How Adaptation Practitioners Are Shaping Climate-Resilient Communities and Infrastructure in Southeast Asia</b>  <i>Shail Joshi, Senior Program Officer for Nature-based Solutions, World Wildlife Fund (WWF), US</i></p> <p><b>A new paradigm for early warning and anticipatory action for water-related natural disasters in Southeast Asia.</b>  <i>Brian Eyler, Program Director, Energy, Water, Sustainability Program; Southeast Asia Program Director; The Stimson Center, US</i></p> <p><b>Climate Change as Policy Agenda: Evidence from Indonesia</b>  <i>Dr. Aichiro Suryo Prabowo, Cornell University, Ithaca, New York</i></p>	Chris Nielsen (HCP, Harvard)
15:40-16:00	Coffee break / Poster session	
16:00-17:30	<p><b><u>Panel discussion on Key Research Questions and Outlooks</u></b></p> <ul style="list-style-type: none"> <li>• <i>Michael McElroy, Professor at the School of Engineering &amp; Applied Sciences (SEAS) and FAS Department of Earth and Planetary Sciences, Harvard University; Chair, Harvard-China Project</i></li> <li>• <i>Vincenzo Bollettino, Director of Program on Resilient Communities, Harvard Humanitarian Initiative (HHI) and Chan School of Public Health (HSPH), Harvard University</i></li> <li>• <i>Le Viet Phu, Professor, Fulbright School of Public Policy and Management, Fulbright University Vietnam</i></li> <li>• <i>Maria Carinnes P. Alejandria, Assistant Professor of Anthropology, Department of Sociology and Anthropology, Universiti Brunei Darussalam, Brunei</i></li> </ul>	Chris Nielsen (HCP, Harvard)
17:30-18:00	<p><b>Outlook with Following Activities and Discussions</b></p> <ul style="list-style-type: none"> <li>• Special Issue and publication;</li> <li>• Research cooperation; funding opportunities;</li> <li>• Climate Resilience Conference 2025 at Munich;</li> <li>• Wrap up</li> </ul>	Chris Nielsen (HCP, Harvard)

## Topics of poster presentations (subject to changes)

1. Adaptation practices to Climate change: The role of Indigenous knowledge and adaptation practices to ethnic minority farmers in Northern Part of Vietnam.  
*Dr. Nguyen The Manh, Senior Researcher, CIFOR - ICRAF Vietnam, and Asian Institute of Technology, Thailand*
2. Nature Based Echo-hydraulic Aquaforest Technology for Coastal Resilience and Sea Level Rise Climate-Induced Adaptation  
*Oladokun Sulaiman Olanrewaju, Professor, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research (AWI), Bremerhaven, Germany*
3. Local Perception of Weather Change, Place-based Adaptation and Migration Intention: A Study on Khasia and Tripura Communities in Bangladesh  
*Mufti Nadimul Quamar Ahmed, PhD Student, Utah State University, USA*
4. Addressing households' awareness on flood occurrences in Ho Chi Minh City  
*Dr. Do Ly Hoai Tan, Researcher, The Southern Institute of Social Sciences, Ho Chi Minh City, Vietnam*
5. Research on solutions and technologies of distributed water storage for fruit tree regions in the Mekong Delta  
*Tran Thai Hung, Deputy Director of the Research Center for Irrigation and Water Supply; Senior Researcher, Southern Institute of Water Resources Research, Ho Chi Minh City, Vietnam*
6. City-scale Digital Twins for Urban Resilience: A Systematic Review  
*Masahiko Haraguchi, Postdoc Researcher, Harvard University, USA*
7. Mapping urban-rural divide of climatic disaster vulnerability and implications for community resilience building in China  
*Yuheng Li, Professor, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, China*
8. Simulating community resilience to flood impacts in the Upper Mekong basin using an empirical agent-based model  
*Wenhan Feng, PhD student, LMU Munich, Germany*
9. Spirituality and Climate Adaptability: The Role of Indonesian FBOs in Climate Resilience and Sustainability  
*Mishbah Khoiruddin Zuhri, PhD Student, Universitas Islam International, Indonesia*
10. Small-scale heat health risk assessment and nature-based solutions  
*Jinglu Song, Associate Professor, Xi'an Jiaotong-Liverpool University, China*
11. The Political Ecology of Exclusion and Power Dynamics in Climate Change Adaptation Practices of Diaspora: A Case Study of Chittagong, Bangladesh  
*Naznin Nahar Sultana, PhD student, University of Delaware, USA*
12. Perceived Challenges to Responding to Climate Change Impacts in the Vietnamese Health Sector  
*Samantha Esposito, Project Manager, Brigham and Women's Hospital, Boston, USA*
13. A comprehensive approach to building resilient communities: Insights from Southeast Asia's hydro-climatological extremes  
*Md Humayain Kabir, Researcher/PhD Student, Danube University Krems/University of Graz, Austria*

14. Foster climate-resilient buildings in East and Southeast Asia: understanding the spatial and life cycle resource use and carbon emissions of buildings for climate risk assessment and policy recommendations  
*Liang Dong, Assistant Professor, City University of Hong Kong, Hong Kong SAR, China*
15. How are Indigenous households in Batanes, Philippines navigating climate-resilient housing amid multi-hazard impacts?  
*Arvin Hadlos, PhD student, The University of Sydney, Sydney, Australia*
16. Towards Extreme Heat Resilience: Exploring the Intersectional Vulnerabilities Mental and Social Well-being Impacts in Southeast Asia's Informal Settlements  
*Sharon Feliza Ann P. Macagba, PhD student, The Hong Kong University of Science and Technology, Hong Kong*
17. The Yangtze River Basin Dilemma: Flooding, Mega-Infrastructure, and an Opportunity for a Global Climate-Adaptive Future  
*Angelina Yihan Zhang, Graduate Student, Harvard Graduate School of Design, Cambridge, MA, USA*