



SUSTAINABLE DEVELOPMENT FUTURES: FROM KNOWLEDGE TO PRACTICE

12 - 13 November 2024 | The Heritage Hotel Manila, Pasay City, Philippines

Sustainable Development Futures Conference 2024

Heritage Hotel Manila, Pasay City, Philippines

12-13 November 2024

Tuesday, November 12, 2024

7:30 - 9:00 AM	Registration
9:00 - 9:15 AM	Preliminaries <i>Room: Artist Ballroom</i>
9:15 - 9:25 AM	Welcome Remarks <ul style="list-style-type: none"> • Assoc. Prof. Dina C. Magnaye, PhD, EnP, <i>Dean, University of the Philippines School of Urban and Regional Planning</i>
9:25 - 10:25 AM	Keynote I: The Role of Local Government in Delivering Sustainable Development Goal 4 (Quality Education) <ul style="list-style-type: none"> • Prof. Michael Osborne, <i>Professor emeritus, University of Glasgow & Chair, Executive Board of PASCAL International Observatory</i>
10:25 - 10:55 AM	Morning Break (Networking)
10:55 - 12:00 PM	Keynote II: Challenges in the Pursuit of Sustainable Development Options: The Case of the Philippines <ul style="list-style-type: none"> • Mr. Christopher Rollo, <i>Country Programme Manager, United Nations Human Settlements Programme (UN-HABITAT)</i>
12:00 - 1:00 PM	Lunch
1:00 - 1:30 PM	Presentation on Assessing the Inclusive Resilience of Tacloban City Post-Typhoon Haiyan: Opportunities for Tool Development and Lessons towards Disability-Inclusive Risk Reduction and Management <ul style="list-style-type: none"> • Councilor Alfred Vargas



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<p>1:30 - 3:15 PM</p>	<p>Panel Discussion I: <i>Building Better Cities: Integrating Theory and Practice in Sustainable Urban Development</i></p> <p>What is the role of the Philippine Local Government Units in bridging knowledge to practice in urban development? This panel discussion focuses on the critical intersection of theory and practice within the field of urban planning and development. It aims to explore how theoretical insights, research findings, best practices, and capacity training can be effectively translated into actionable strategies that enhance urban environments at the local and national levels.</p> <ul style="list-style-type: none"> ● Moderator <ul style="list-style-type: none"> ○ Ar. EnP. Geomilie Tumamao-Guittap, UP School of Urban and Regional Planning ● Discussants <ul style="list-style-type: none"> ○ Dr. Marius Venter, Professor, University of Johannesburg & Director, PASCAL Centre Africa ○ EnP Bianca Perez, Quezon City Disaster and Risk Reduction Management Office ○ Ms. Ma-Lene S. Torio, Local Government of Bayambang, Pangasinan ○ Hon. Nicholas Yulo, Local Government of Bago City, Negros Occidental ● Reactors <ul style="list-style-type: none"> ● EnP Ibani C. Padoa, Department of Human Settlements and Urban Development (DHSUD) 			
<p>3:15 - 3:45 PM</p>	<p>Afternoon Break (Networking)</p>			
<p>3:45 - 5:00 PM</p>	<p>Technical Sessions (Parallel)</p> <table border="1" style="width: 100%;"> <tr> <td data-bbox="459 1623 906 1833"> <p>Technical Session 1A: Regional Complementarity and Competitiveness <i>Room: Heritage Ballroom A&B</i></p> </td> <td data-bbox="914 1623 1429 1833"> <p>Technical Session 1B: Regional Complementarity and Competitiveness <i>Room: Heritage Ballroom C</i></p> </td> </tr> </table>		<p>Technical Session 1A: Regional Complementarity and Competitiveness <i>Room: Heritage Ballroom A&B</i></p>	<p>Technical Session 1B: Regional Complementarity and Competitiveness <i>Room: Heritage Ballroom C</i></p>
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	<p>Moderator: Asst. Prof. Ronnie Encarnacion, <i>UP School of Urban and Regional Planning</i></p> <p><i>This session deep dives into the balancing act of the complex interplay of competition and collaboration while understanding the balance of these forces for developing effective strategies for regional development.</i></p>	<p>Moderator: Asst. Prof. Carmelita Liwag, <i>UP School of Urban and Regional Planning</i></p> <p><i>This session deep dives into the balancing act of the complex interplay of competition and collaboration while understanding the balance of these forces for developing effective strategies for regional development.</i></p>
	<p>Complementarity in Polycentric Metropolitan Regions: The Case of Metro Manila, Philippines Dina C. Magnaye, <i>UP School of Urban and Regional Planning</i></p>	<p>Constructing Flooding Risk Among Select Coastal Metro Manila LGUs John Paolo C. Dalupang, <i>Polytechnic University of the Philippines Manila</i></p>
	<p>Vegetation Cover Analysis of the Metropolitan Manila, Philippines Using the 2014 and 2024 Dry Season Landsat Imagery Arthur Lagbas, <i>Technological University of the Philippines Manila</i></p>	<p>The Ripple Effect: Analyzing the Effects of Mangrove to Fish Pond Conversion on Flood Risks and Susceptibility of North Manila Bay Delta in 2012, 2017, and 2022 Diomari Centeno, <i>University of the Philippines Diliman</i></p>
	<p>Bohol Island: The First UNESCO Global Geopark in the Philippines for Sustainable Regional Development Mario Delos Reyes, <i>UP School of Urban and Regional Planning</i></p>	<p>Extreme Weather Shocks and Household Welfare: Evidence from the Philippines Michael Timbang, <i>Asian Development Bank</i></p>
<p>4:35 - 4:45 PM</p>	<p>Presentation of Session Certificates</p>	



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Wednesday, November 13, 2024

<p>9:00 - 9:05 AM</p>	<p>Synthesis of Day 1 of the Conference <i>Room: Artist Ballroom</i></p> <ul style="list-style-type: none"> ● Prof. Ma. Sheilah Napalang, Director, Office of Research and Publication, UP School of Urban and Regional Planning
<p>9:05 - 10:30 AM</p>	<p>Panel Discussion II: Urban Spaces, Lifelong Places: Cultivating Continuous Learning in Cities</p> <p>How do Philippine Local Government Units and government agencies sustain/retain/enhance their planning knowledge, especially that of their technical personnel? By bringing together experts and practitioners in urban planning, education, and community development, this panel discussion explores the vital role of lifelong and lifeward learning in shaping resilient, sustainable, and inclusive urban environments, especially in a highly urbanizing country like the Philippines.</p> <ul style="list-style-type: none"> ● Moderator <ul style="list-style-type: none"> ○ EnP April N. Dela Cruz, UP School of Urban and Regional Planning ● Discussants <ul style="list-style-type: none"> ○ Dr. Rob Mark, Honorary Professor, University of Glasgow & Coordinator, PASCAL Learning Cities Network ○ Hon. Mar-Len Abigail S. Binay, Local Government of Makati City ○ EnP Ronnie L. Lindog, Municipality of Sariaya, Quezon Province ○ Local Government of Pasig City (TBC) ● Reactors <ul style="list-style-type: none"> ○ Dr. Marife Ballesteros, Philippine Institute of Development Studies (PIDS) ○ Ms. Mae Valdez-Irong, ICLEI Local Governments for Sustainability ○ Mr. John Kien D. Develos, Local Government Academy



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<p>10:30 - 11:00 AM</p>	<p>Eco-Zoning the Philippines Towards Inclusive and Sustainable Development (Working Break)</p> <ul style="list-style-type: none"> • Ms. Rowena Torres-Naguit, <i>Philippine Economic Zone Authority</i> 	
<p>11:00 - 12:50 PM</p>	<p>Technical Sessions (Parallel)</p>	
<p>Technical Session 2: Digital Transformation for Innovation in Planning <i>Room: Heritage Ballroom A&B</i></p> <p>Moderator: Prof. Jun T. Castro, <i>UP School of Urban and Regional Planning</i></p> <p><i>This session focuses on leveraging technology to unlock significant and transformative innovation potential, such as a) enhancing data-driven decision-making, b) improving collaboration and communication, c) empowering stakeholders, and d) predictive and prescriptive planning, among others.</i></p>	<p>Technical Session 3: Sustainable living and climate change <i>Room: Heritage Ballroom C</i></p> <p>Moderator: Prof. Evelyn S. Lorenzo, <i>UP School of Urban and Regional Planning</i></p> <p><i>This session highlights how urban environments can be transformed to promote sustainability, resilience, and adaptation in the face of climate change. The conference will serve as a platform for discussing innovative practices, policies, and technologies that foster sustainable urban development.</i></p>	
<p>Development of an Inclusive Community Monitoring Tool for Sustainable Society with a Focus on Social Vulnerability Erris Sanciangco, <i>SaveTravelPH Mobility Innovations Organizations LocationMind Inc.</i></p>	<p>Investigation of the Compressive Strengths of Coconut Shells as Partial Alternative of Coarse Aggregates in Concrete Mix John Arvin R. Manaloto, <i>University of the Philippines Diliman</i></p>	



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	<p>Data Protection, Privacy and Research Ethics in Urban Planning Practice Towards Smart Cities Eugenio Ferrer Santiago, <i>Polytechnic University of the Philippines</i></p>	<p>Synthesis of the Performance of Slag Cement As Partial Replacement to Ordinary Portland Cement in Concrete John Arvin R. Manaloto, <i>University of the Philippines Diliman</i></p>
	<p>Minimization of Traffic Congestion Using Traffic Intensity and Assignment Problem Model: A Case Study in Tuguegarao City Ralph Angelo Estiller, <i>Cagayan State University</i></p>	<p>Repercussions of Dynamic Landscapes: A Look at River-Riparian Environments Jose Dan V. Villa Juan, <i>University of the Philippines Diliman</i></p>
	<p>Geospatial Analysis for Environmental Protection and Rehabilitation of Barangay Payatas, and its Impact on Community Livelihood Aya V. Raymundo, <i>National University Manila</i></p>	<p>Temperature Increase in the Philippines: The Case of three Philippine Cities Marie Patadlas, <i>UP School of Urban and Regional Planning</i></p>
	<p>Exploring the Potential of Participatory Utopia Sketching in Imagining City Futures: The Case of the Cities of Manila and Cauayan, Philippines Mark Anthony Gamboa, <i>UP School of Urban and Regional Planning</i></p>	<p>Spatial Design of Green Hydrogen Production and Transportation Leonard E. Travis, <i>UP School of Urban and Regional Planning</i></p>
	<p>Personnel Digital Capacity Assessment of Disaster Risk Reduction and Management (DRRM) Office, Cavite Province, Philippines</p>	<p>Living Labs for Active Mobility - Bridging the Gap between Knowledge and Practice Jochen Eckart, <i>Karlsruhe University of Applied Sciences</i></p>



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	<p>Mark Jetro Mortel, UP School of Urban and Regional Planning</p>	
		<p>Assessment of DRRM Programs, Projects, and Activities (PPAs) in Enhancing Flood and Weather Resilience for Sustainable Communities: Barangay Tumana, Marikina City, Philippines Santiago, Arlene, UP School of Urban and Regional Planning</p>
	<p>Open Forum and Presentation of Session Certificates</p>	<p>Open Forum and Presentation of Session Certificates</p>
<p>12:50 - 1:50 PM</p>	<p>Lunch <i>Room: Artist Ballroom</i></p>	
<p>2:00 - 3:50 PM</p>	<p>Technical Sessions (Parallel)</p>	
	<p>Technical Session 4: Inclusive and Transformative Development for Sustainable Cities <i>Room: Heritage Ballroom A&B</i></p> <p>Moderator: Dr. Assoc. Prof. Dina C. Magnaye, University of the Philippines School of Urban and Regional Planning 2:00 - 2:05 PM</p> <p><i>Emphasizing equity, community engagement, and innovative urban planning strategies, this session examines how cities can evolve to meet the needs of diverse populations while promoting environmental sustainability and resilience.</i></p>	<p>Technical Session 5: Lifelong and Lifeward Learning <i>Room: Heritage Ballroom C</i></p> <p>Moderator: Asst. Prof. Mark Anthony Gamboa, University of the Philippines School of Urban and Regional Planning 2:00 - 2:05 PM</p> <p><i>This session will bring together experts and practitioners on the importance of acquiring knowledge and skills throughout life, empowering individuals to navigate a rapidly changing world, lead fulfilling lives, and contribute meaningfully to society.</i></p>



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	<p>Reviewing Effectiveness of Quezon City's Green Building Code for Small-Scale Structures in Three Barangays from 2018 to 2023 Mark Anthony Morales, <i>UP School of Urban and Regional Planning</i></p>	<p>Student Living Conditions: A Case of the University of Science and Technology of Southern Philippines – CDO Students' Accommodation Archemedes Wabe, <i>University of Science and Technology of Southern Philippines</i></p>
	<p>Assessing Land Value Dynamics Induced by Rail Project Using Difference-in-difference Method and Hedonic Pricing Model: A Case Study of Metro Manila Light Rail Transit Line 2 Carl Dave Silos, <i>University of the Philippines Diliman</i></p>	<p>Contextual and Thematic Analysis of Studies from the UP School of Urban and Regional Planning from 1977-2022 Karen Ann Jago-on, <i>UP School of Urban and Regional Planning</i></p>
	<p>Green Spaces to Grey Zones: Evaluating the Implications of the Urban Development and Housing Act of 1992 in the Landscape Fragmentation of Silang-Santa Rosa River Subwatershed amidst Manila's Decongestion Efforts Gabrelle Noreen Estrellanes, <i>University of the Philippines Diliman</i></p>	<p>Establishing a Learning Neighbourhood at Nagaland University: Assessing Educational Needs in Kohima Radhakrishan Vasanthan, <i>Nagaland University</i></p>
	<p>Examining the Relationship between COVID-19 and Resiliency of Livelihood Development in Local Government Unit-Administered Resettled Communities of Metro Manila</p>	<p>School Time as Learning Time? Re-imagining School and Non-School Spaces to Bridge Attainment Gaps McRhon Banderlpe I, <i>Strathclyde Institute of Education, University of Strathclyde</i></p>



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	<p>Sonia Islam, UP School of Urban and Regional Planning</p>	
	<p>Cycling Mobility as a 'Right to the City': Urban Experience of Risk, Right and Spatial Negotiation in Metro Manila</p> <p>Marc Angelo C. Sanchez, University of the Philippines Diliman</p>	<p>Techquity: Digital Trajectories for Lifelong Learning</p> <p>Shnaoli Chakraborty Acharya, West Bengal State University</p>
		<p>Innovating Solid Waste Management through a Social and Behavior Change Strategy: The Case of Six Urban Barangays in Manila, Philippines</p> <p>John Anthony Cruz, Catholic Relief Services</p>
	<p>Open Forum and Presentation of Session Certificates</p>	<p>Open Forum and Presentation of Session Certificates</p>
<p>3:50 - 4:05 PM</p>	<p>Afternoon Break (Networking)</p> <p><i>Room: Artist Ballroom</i></p>	
<p>4:05 - 4:30 PM</p>	<p>Ways Forward and Call to Action</p> <ul style="list-style-type: none"> • Dr. Mario Delos Reyes, Director, PASCAL Centre Asia-Pacific • Prof. Michael Osborne, Chair, Executive Board of PASCAL International Observatory 	
<p>4:30 - 5:00 PM</p>	<p>Closing Ceremony and Awarding of Certificates for Paper Presenters, Sponsors and the PASCAL Network</p> <p>Closing Remarks: Chancellor Edgardo Carlo L. Vistan II, LLM, Chancellor, University of the Philippines Diliman</p>	