

## **Program book**

**25-28 November 2024  
Manila, Philippines**

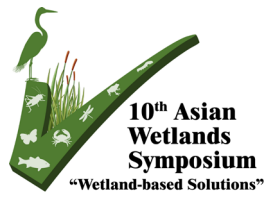
Organizers:

Society for the Conservation of Philippine Wetlands, Inc.

Ramsar Regional Center – East Asia

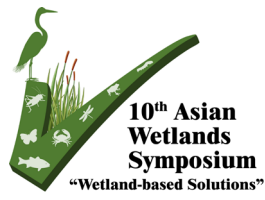
Ramsar Center Japan

Co-organizers: Japan Wetland Society, Wetlands International Japan

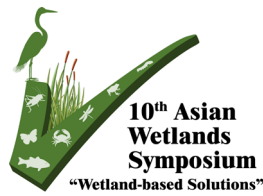


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# **10<sup>th</sup> Asian Wetland Symposium**



## 1. 10th Asian Wetland Symposium

### **Introduction**

The Asian Wetland Symposium (AWS) was conceptualized and first held in 1992 as a regional platform for wetland stakeholders. Since then, the AWS has been held every three years, providing opportunities to diverse target groups such as decision and policy makers, academicians, researchers, wetland managers and practitioners, the youth and non-governmental organizations to share and learn from mutual knowledge and practical experience on the conservation, sustainable management, and wise use of wetlands in Asia.

Ramsar Resolution IX.19 (2005) further recognized the role of AWS in supporting regional cooperation and networking of wetland stakeholders, which include national and local governments, NGOs, experts, local communities, and the general public in Asia.

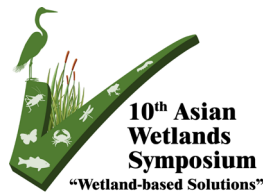
Over the last 25 years, the symposium stands as a platform for diverse wetland stakeholders to convene and share knowledge and experience on wetland conservation and wise use including scientific studies and CEPA activities.

On 25-28 November 2024, the Society for the Conservation of Philippine Wetlands Inc. (SCPW), Ramsar Regional Center – East Asia (RRC-EA), and Ramsar Center Japan (RCJ) are organizing the 10th Asian Wetland Symposium (AWS10) with theme “Wetland-based Solutions” in Manila, Philippines in collaboration with the Japan Wetland Society and Wetlands International – Japan.

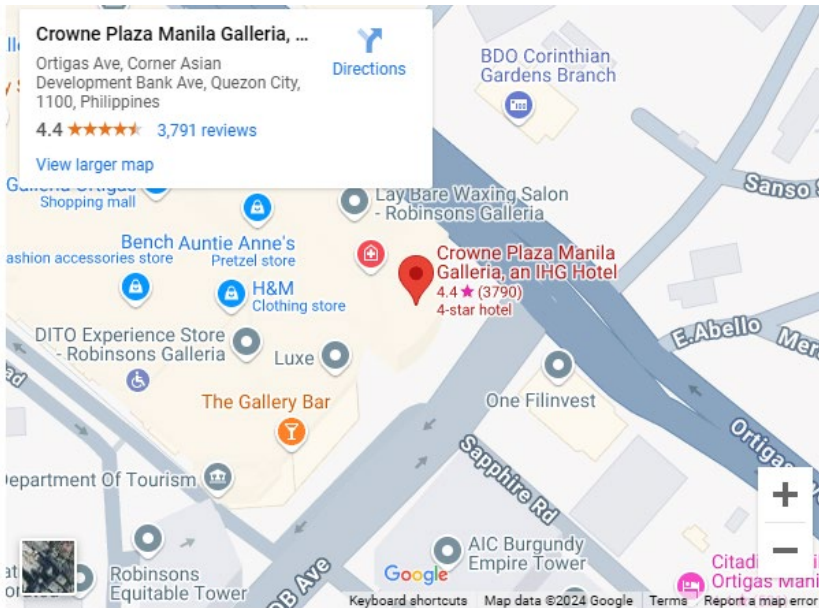
### **Objectives**

AWS10 aims to mainstream wetland conservation and wise use across all sectors of the society as a contribution to the implementation of the Ramsar Convention on Wetlands and its strategic plan, achievement of the Sustainable Development Goals (SDGs), and the action-oriented global targets of the Kunming-Montreal Global Biodiversity Framework. Specifically, the symposium shall:

- raise awareness, understanding and appreciation of Nature-based Solutions, particularly those specific to wetlands;
- share initiatives, strategies and approaches related to Wetland-based Solutions;
- expand networks among Ramsar Sites and wetland managers, wetland schools, Wetland Cities, and other wetland stakeholders in Asia;
- enhance youth engagement in the conservation and wise use of wetlands; and identify the major components of a Strategic Plan on Wetland-based Solutions in Asia



## Venue information

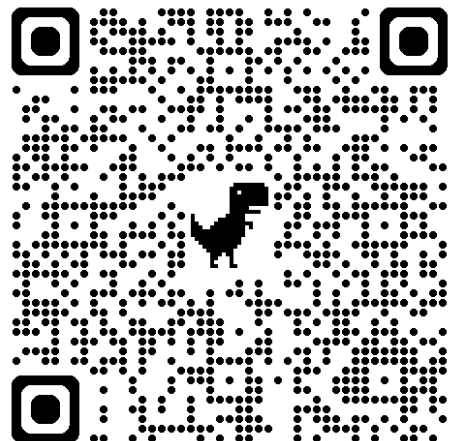
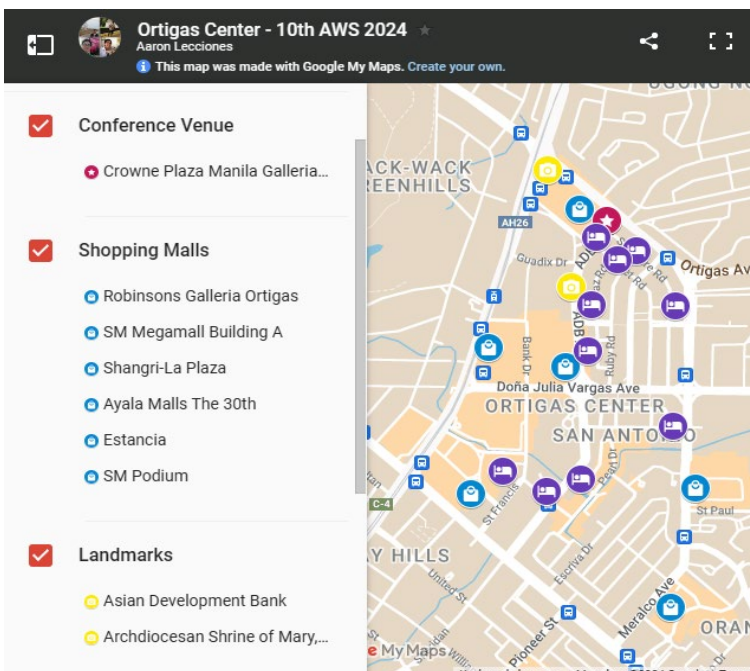


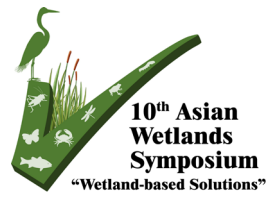
All session rooms are on 4th Floor of the venue.

- Plenary sessions: Ruby AB
- Parallel sessions: Ruby AB and Sapphire AB
- Side events: Sapphire AB
- Poster sessions: Opal
- Exhibitions: Opal
- Secretariat: Opal

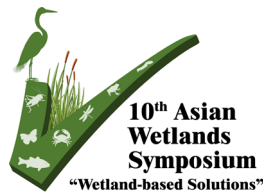
## Around the venue

Please scan the QR code below to browse the district map of Ortigas Center.



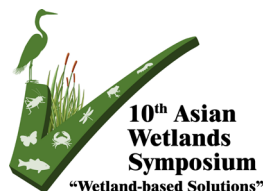


Session rooms



## 2. Session rooms

Date/Time	Plenary		Sapphire A	Sapphire B	Opal
	Ruby A	Ruby B			
<b>Day 1 (25 November, Monday)</b>					
8:30-16:00	Registration				
9:00-9:30					Exhibition Poster
9:30-12:00	Opening program				
12:00-13:30	Lunch				
12:00-13:20			Side event	Side event	
13:30-14:50	Session 1-1 Wetlands and climate change adaptation and mitigation	Session 2-1 Wetland restoration	Session 3-1 Wetland biodiversity	Session 4-1 Conservation and wise use of wetlands	
14:50-15:00	Coffee and tea break				
15:00-16:20	Session 1-2	Session 2-2	Session 3-2	Session 4-2	
17:30-19:00	Welcome dinner (registered participants)				
<b>Day 2 (26 November, Tuesday)</b>					
8:30-16:00	Registration				
9:00-10:20			Session 3-3	Session 6-1 Wetland education	Exhibition Poster
10:20-10:30	Coffee and tea break				
10:30-11:50			Session 3-4	Session 6-2	
11:50-13:30	Lunch				
11:50-12:50		Side event	Side event	Side event	Core time (13:00-13:30)
13:30-14:50			Session 7-1 Innovations in CEPA approaches	Session 8-1 Wetlands, Nature-positive economy, and SDGs	



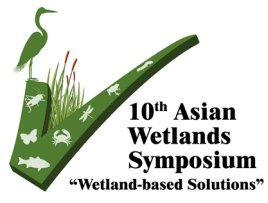
Date/Time	Plenary		Sapphire A	Sapphire B	Opal
	Ruby A	Ruby B			
14:50-15:00			Coffee and tea break		
15:00-16:40			Session 7-2 (15:00-16:00)	Session 8-2	
16:00-17:00			Session 12-1 Wetlands and ethnobiological knowledge		
<b>Day 3 (27 November, Wednesday)</b>					
Field trip (pre-registered participants)					
<b>Day 4 (28 November, Thursday)</b>					
8:30-10:30	Registration				
9:00-10:20	Session 10 Wetlands and sustainable built environment	Session 11 Wetlands and disaster risk reduction management	Session 12-2 Wetlands and ethnobiological knowledge	Session 5 Carbon-rich wetlands	Exhibition Poster
10:20-10:30	Coffee and tea break				
10:30-11:30	Special Session: Meeting of the Living Lakes Network		Session 12-3	Session 13 Wetlands International Philippines	
11:30-13:00	Lunch				
11:30-12:30			Side event	Side event	
13:00-13:30	Closing program				

\* Oral presentation: each speaker may have 15 minutes for presentation and 5 minutes for Q&A or discussion. It also can be adjusted depending on the session chair's guidance.

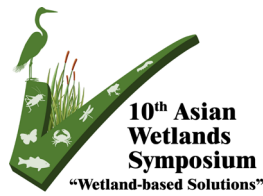
\*\* Exhibitions and poster sessions will be continued from 25-28 November 2024.

\*\*\* Core time for poster sessions: During the core time, poster presenters are requested to stand in front of their own poster panel and explain their study to audience (13:00-13:30, 26 November)





# Daily Program

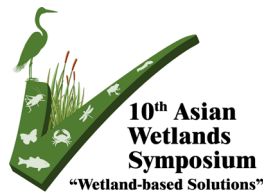


### 3. Daily program

#### 3.1 Opening program

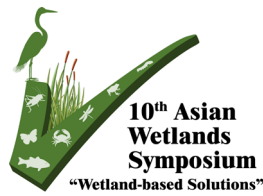
25 November 2024, Monday  
Ruby AB

Time	Activity
9:30-10:00	Opening program (ceremonial speeches) <ul style="list-style-type: none"> <li>• Dr. Musonda Mumba, Secretary General, Ramsar Convention on Wetlands</li> <li>• Dr. Maria Antonia Yulo-Loyzaga, Secretary, Department of Environment and Natural Resources, Philippines</li> <li>• Mr. Suh Seung Oh, Executive Director, Ramsar Regional Center – East Asia</li> <li>• Prof. Shimpei Iwasaki, President, Ramsar Center Japan</li> <li>• Arch. Celestino B. Ulep, President, Society for the Conservation of Philippine Wetlands, Inc.</li> </ul>
10:00-10:10	Photo opportunity
10:10-11:10	Keynote presentations: Wetland-based Solutions for Wetland and People <ul style="list-style-type: none"> <li>• Wetland-based Solutions in the Philippines               <ul style="list-style-type: none"> <li>○ Dr. Carlos Primo David, Undersecretary for Integrated Environmental Science, Department of Environment and Natural Resources, Philippines</li> </ul> </li> <li>• Wet RASC, Rapid Assessment of Sequestered Carbon for wetlands &lt;virtual presentation&gt;               <ul style="list-style-type: none"> <li>○ Prof. Max Finlayson, Charles Sturt Gulbali Institute of Agriculture, Water and Environment, Australia</li> </ul> </li> <li>• Society of Wetland Scientists Professional Certification Program (pre-recorded)               <ul style="list-style-type: none"> <li>○ Dr. Matthew Simpson, Globalization Committee Chair, Society of Wetland Scientists Professional Certification Programme</li> </ul> </li> </ul>
11:10-12:00	Panel discussion: Wetland-based Solutions, from Idea to Action Moderator: Dr. Ma. Catriona E. Devanadera, SCPW and University of Philippines Panelists: <ul style="list-style-type: none"> <li>• Hon. John Jack T. Raymond, Jr., Mayor, Bayawan City, Negros Oriental, Philippines</li> <li>• Mr. Yoshihiro Natori, Advisor, Wetlands International Japan</li> <li>• Dr. Perlie Velasco, Society for the Conservation of Philippine Wetlands, Inc. and University of the Philippines Los Baños</li> <li>• Mr. Norman Ramirez, Program Officer, Ramsar Regional Center - East Asia</li> </ul> Open Forum Awarding of “Bayani ng Katubigan Award” to Bayawan City



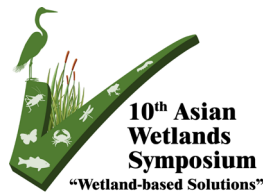
### 3.2 Parallel sessions

<b>Day1 : 25 November, Monday</b>	
<b>Parallel session: Ruby A</b>	
<b>Session 1-1</b>	
<b>Wetlands and climate change adaptation and mitigation</b>	
Chair: Prof. Ji Yoon Kim, Kunsan National University Co-chair: Mr. Asaduzzaman Miah, Bangladesh POUSH Rapporteur: Ms. Emiko Nagakura, Wetlands International Japan	
<b>13:30-14:50</b>	<ul style="list-style-type: none"> <li>• <b>S1-1: Tubbataha Wetlands in the Face of Climate Change</b> Angelique M. Songco, Tubbataha Management Office</li> <li>• <b>S1-2: Carbon Stock Assessment of Leyte Sab-a Peatland, Philippines</b> Dorina Espenilla, DENR-Ecosystems Research and Development Bureau</li> <li>• <b>S1-3: Estimation of Blue Carbon Stocks in Unawatuna Mangrove Forest for future Carbon trading in Sri Lanka</b> Indika Rohan Palihakkara, University of Ruhuna</li> <li>• <b>S1-4: Japan's Policy of Disaster Resilience Based on River Basin</b> Mai Kemmochi, Kanto-Gakuin University</li> </ul>
<b>14:50-15:00</b>	Coffee and tea break
<b>Session 1-2</b>	
<b>Wetlands and climate change adaptation and mitigation</b>	
Chair: Mr. Asaduzzaman Miah, Bangladesh POUSH Co-chair: Prof. Ji Yoon Kim, Kunsan National University Rapporteur: Ms. Emiko Nagakura, Wetlands International Japan	
<b>15:00-16:20</b>	<ul style="list-style-type: none"> <li>• <b>S1-5: Metabolic Dynamics of Restored Seagrass Meadows: Implications for Blue Carbon Potential</b> Mariche Natividad, National Taiwan Ocean University</li> <li>• <b>S1-6: Prieto Diaz's Mangrove Ecopark as a Model for Adaptation and Mitigation Strategies and Sustainable Development Goals</b> Judy Doma and Raquel Ortega, DMO V, DENR</li> <li>• <b>S1-7: Restoration of the Sago (<i>Metroxylon sagu</i> Roett.) Ecobelt for Disaster Risk Reduction and Climate Change Adaptation in Butuan City, Philippines</b> Rowena Varela, Caraga State University</li> <li>• <b>S1-8: Ecosystem based Approaches towards Adaptation and Disaster Risk Reduction in Coastal Bangladesh</b> Tapas Ranjan Chakraborty, Bangladesh POUSH</li> </ul>
<b>17:30-19:00</b>	Welcome dinner



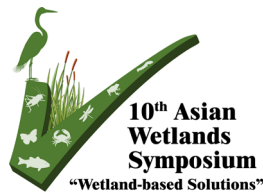
## Parallel sessions

<b>Day1 : 25 November, Monday</b>	
<b>Parallel session: Ruby B</b>	
<b>Session 2-1 Wetland restoration</b>	
Chair: Prof. Gea-Jae Joo, Pusan National University Co-chair: Prof. Yuki Arai, Japan Wetland Society, Ramsar Center Japan Rapporteur: Dr. Tanabe Atsushi, Ramsar Center Japan	
<b>13:30-14:50</b>	<ul style="list-style-type: none"> <li>• <b>S2-1: Peat Soil Profile and Water Quality Characteristics in Differing Land Uses of Leyte Sab-A Peatland, Philippines</b> Criskim Parian, DENR-Ecosystems Research and Development Bureau</li> <li>• <b>S2-2: Nakaikemi-shicchi: A Case Study of Mitigation Measures for Environmental Protection during Shinkansen Construction</b> Hea-Jin Park, Wetlands International Japan</li> <li>• <b>S2-3: Philippine Mangroves – History, Management and Conservation</b> J.H. Primavera, Zoological Society of London</li> <li>• <b>S2-4: Play in Wetland Revitalization with and for Kids: A Case Study of Zenpukuji River Revitalization Rroject in Tokyo, Japan</b> Mana Short and Allan Raymundo Jr., Sophia University and Ateneo de Manila University</li> </ul>
<b>14:50-15:00</b>	Coffee and tea break
<b>Session 2-2 Wetland restoration</b>	
Chair: Prof. Yuki Arai, Japan Wetland Society, Ramsar Center Japan Co-chair: Prof. Gea-Jae Joo, Pusan National University Rapporteur: Dr. Tanabe Atsushi, Ramsar Center Japan	
<b>15:00-16:20</b>	<ul style="list-style-type: none"> <li>• <b>S2-5: Case Presentation on the Need for Coordinated Management, Conservation and Sustainable Use of Major Wetlands in Mindanao Involving Local Government Units, Government Agencies, and Various Sectors</b> Rolando B. Pinsoy, Mindanao Development Authority</li> <li>• <b>S2-6: Reexamine of the Legal Role of Sister Wetland Agreements: The Case of Sister Wetlands in Japan and Australia</b> Shiina Suzuki, Seigakuin University</li> <li>• <b>S2-7: Cooperative Management of Deserted Rice Field with Locals and Reconstruction of Food-agriculture Network in the Kumagawa River Basin</b> Tomohiro Nakagawa, Prefectural University of Kumamoto</li> <li>• <b>S2-8: Building with Nature Indonesia: Restoring Coastline and Inspiring Action at Sale</b> Yus Rusila Noor, Wetlands International Indonesia</li> </ul>
<b>17:30-20:00</b>	Welcome dinner



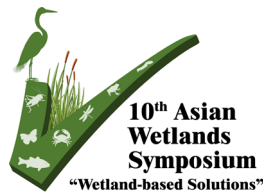
## Parallel sessions

<b>Day1 : 25 November, Monday</b>	
<b>Parallel session: Sapphire A</b>	
<b>Session 3-1 Wetland biodiversity</b>	
Chair: Prof. Woo Shin Lee, Seoul National University Co-chair: Prof. Indika Palihakkara, University of Ruhuna Rapporteur: Mr. Pyae Phyo Aung, Nature Conservation Society	
<b>13:30-14:50</b>	<ul style="list-style-type: none"> <li>• <b>S3-1: Species Abundance and Diversity of Avifauna in the Pasig River, Philippines</b> Alon Velasquez, DENR-Ecosystems Research and Development Bureau</li> <li>• <b>S3-2: Community-Based Monitoring of Bird Species Diversity in Dagatan Lake, Tayabas City, Philippines</b> Angelica Olar, City Government of Tayabas-Environment and Natural Resources Office</li> <li>• <b>S3-3: Activity Patterns of Small Carnivores in Peat Swamp Forest Sites at the Kampar Peninsula and Pulau Padang, Sumatra</b> Dian Syahputra, Restorasi Ekosistem Riau</li> <li>• <b>S3-4: Biodiversity of the New Ramsar Site Menipo Nature Recreational Park</b> Elisa Iswandono, East Nusa Tenggara Natural Resources Conservation Center</li> </ul>
<b>14:50-15:00</b>	Coffee and tea break
<b>Session 3-2 Wetland biodiversity</b>	
Chair: Prof. Indika Palihakkara, University of Ruhuna Co-chair: Prof. Woo Shin Lee, Seoul National University Rapporteur: Mr. Pyae Phyo Aung, Nature Conservation Society	
<b>15:00-16:20</b>	<ul style="list-style-type: none"> <li>• <b>S3-5: Flora and Fauna Composition of Leyte Sab-a Basin Peatland: Basis for Sustainable Ecosystem Management and Conservation Planning</b> Janice Otana, DENR-Ecosystems Research and Development Bureau</li> <li>• <b>S3-6: The Katunggan it Ibajay (KII) STORY: Twenty-five Years of Mangrove Biodiversity Conservation in Aklan, Panay Is., Central Philippines</b> Dax Dequito, Zoological Society of London</li> <li>• <b>S3-7: Mangrove Community Structure within the Proposed Reclamation Site in Cansaga Bay, Consolacion, Cebu, Philippines</b> Kevin Johns C. Edis, Sacred Heart School - Ateneo de Cebu, Cebu Normal University</li> <li>• <b>S3-8: Mangrove Community and Avifaunal Assemblage Associated to a Riparian Ecosystem along Palico River, Batangas, Philippines</b> Kevin Johns C. Edis, Sacred Heart School - Ateneo de Cebu, Cebu Normal University</li> </ul>
<b>17:30-20:00</b>	Welcome dinner



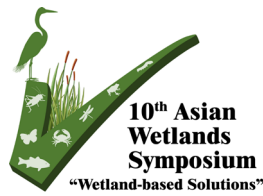
## Parallel sessions

<b>Day1 : 25 November, Monday</b>	
<b>Parallel session: Sapphire B</b>	
<b>Session 4-1 Conservation and wise use of wetlands</b>	
Chair: Dr. Sonam Choden, Wetland Specialist Rapporteur: Ms. Ahrum Hyung, RRC-EA	
<b>13:30-14:50</b>	<ul style="list-style-type: none"> <li>• <b>S4-1: Building with Nature Approach in Mangrove Ecosystem Restoration for Coastal Resilience</b> Awzani Sahibu, Wetlands International Malaysia</li> <li>• <b>S4-2: The Wise-Use Checklist as a Science–Policy Interface – the Interaction of Science and Policy in Taiwanese Wetland Conservation Policy</b> Chen-Guang Lee, National Taiwan University</li> <li>• <b>S4-3: Toward Sustainable Management of Nonglom Wetlands, Attapeu, Lao PDR</b> Kosal Mam, World Fish</li> <li>• <b>S4-4: Assessment of Water Surface Area Changes in Inle Lake, Myanmar: Remote Sensing Approach</b> La Minn Ko Ko, Saitama University</li> </ul>
<b>14:50-15:00</b>	Coffee and tea break
<b>Session 4-2 Conservation and wise use of wetlands</b>	
Chair: Dr. Sonam Choden, Wetland Specialist Rapporteur: Ms. Ahrum Hyung, RRC-EA	
<b>15:00-16:20</b>	<ul style="list-style-type: none"> <li>• <b>S4-5: Rapid Assessment of Ecosystem Services in Small Agricultural Reservoirs: A case Study from Gunsan City, ROK</b> Migyeong Jung, Kunsan National University</li> <li>• <b>S4-6: Wetlands: The Life Support of Zamboanga City, Philippines</b> Vanessa Joy Dael, DENR-IX CENRO Zamboanga City</li> <li>• <b>S4-7: Proposal for Wise Use of Crab Resources in Sundarbans Reserve Forest and its periphery areas</b> Yuki Ozaki, INTEM Consulting</li> <li>• <b>S4-8: Enhancing Wetland Conservation and Sustainable Livelihoods through Integrated Rotational Salt and Fish Farming in Cox's Bazar</b> Tapan Kumar Ghosal, FiLEP, JICA</li> </ul>
<b>17:30-20:00</b>	Welcome dinner



## Parallel sessions

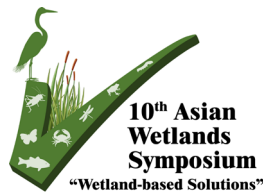
<b>Day2 : 26 November, Tuesday</b>	
<b>Parallel session: Sapphire A</b>	
<b>Session 3-3</b>	
<b>Wetland biodiversity</b>	
Chair: Prof. Gea-Jae Joo, Pusan National University Co-chair: Mr. Yus Rusila Noor, Wetlands International Indonesia Rapporteur: Mr. Tapas Ranjan Chakraborty, Bangladesh POUSH	
<b>9:00-10:20</b>	<ul style="list-style-type: none"> <li>• <b>S3-9: Migration Studies of Cinereous Vulture (<i>Aegypius monachus</i>) between South Korea and Mongolia</b> Seung-Kook Kwak, Hwapocheon wetland Eco-park</li> <li>• <b>S3-10: Analysis of Population Changes, Habitat Requirements, and Feeding Characteristics of Wintering Populations of Cinereous Vulture (<i>Aegypius monachus</i>) at Vulture Restaurants in Goseong, South Korea</b> Minjun, Kwak, Pukyong National University</li> <li>• <b>S3-11: Changes in Breeding Phenology of Terns in Tubbataha Reefs, the Philippines</b> Maria Retchie Alaba, Tubbataha Management Office, Puerto Princesa City, Philippines</li> <li>• <b>S3-12: Diversity of Mangrove-associated Gastropods in Siargao Island Protected Landscape and Seascape, Philippines</b> Marlon V. Elvira, Caraga State University</li> </ul>
<b>10:20-10:30</b>	Coffee and tea break
<b>Session 3-4</b>	
<b>Wetland biodiversity</b>	
Chair: Mr. Yus Rusila Noor, Wetlands International Indonesia Co-chair: Prof. Gea-Jae Joo, Pusan National University Rapporteur: Mr. Tapas Ranjan Chakraborty, Bangladesh POUSH	
<b>10:30-11:50</b>	<ul style="list-style-type: none"> <li>• <b>S3-13: 16s rRNA Gene Metabarcoding Reveals Insights Relating Soil Bacterial Communities to Plant Species and Peat Properties of the Leyte Sab-a Basin Peatland – a degraded tropical peatland in Northeastern Leyte, Philippines</b> Reynaldo P. Peja Jr., Visayas State University</li> <li>• <b>S3-14: Foraging Microhabitat Selection of Spoon-billed Sandpiper in the Upper Gulf of Mottama, Myanmar</b> Pyae Phyoe Aung, Nature Conservation Society-Myanmar</li> <li>• <b>S3-15: Mangrove Community Structure within the Proposed Reclamation Site in Cansaga Bay, Consolacion, Cebu, Philippines</b> Kevin Johns C. Edis, Sacred Heart School - Ateneo de Cebu, Cebu Normal University</li> <li>• <b>S3-16: Composition, Abundance, and Diversity of Rotifers in Pasig River – a vulnerable wetland in the Philippines</b> Yves Christian L. Cabillon, DENR-Ecosystems Research and Development Bureau</li> </ul>
<b>11:50-13:30</b>	Lunch / Side events (11:50-12:50)



## Parallel sessions

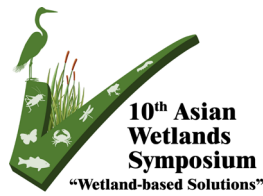
<b>Day2 : 26 November, Tuesday</b>	
<b>Parallel session: Sapphire B</b>	
<b>Session 6-1</b>	
<b>Wetland education in the formal education sector (wetland schools)</b>	
Chair: Dr. Chen Kelin, International Wetland and River Beijing Co-chair: Mr. Suh Seung Oh, Ramsar Regional Center - East Asia (RRC-EA) Rapporteur: Ms. Seong-Bo, RRC-EA	
<b>9:00-10:20</b>	<ul style="list-style-type: none"> <li>• <b>S6-1: How to Exert Social Function of Natural Education in Nature Protected Areas: take Jiangsu Yancheng Wetland Rare Birds National Nature</b> Chen Yaqin, China Wetland School Committee</li> <li>• <b>S6-2: Conservation of Dafeng's Père David's deer (<i>Elaphurus davidianus</i>) and Wetlands</b> Ding Yuhua, China Wetland School Committee</li> <li>• <b>S6-3: Exploration of Wetland Education in Primary and Secondary Schools and Practice in Jiangnan District of Wuhan City, Hubei Province, China</b> He Lu, Education and Training Center, Wuhan City</li> <li>• <b>S6-4: Exploration and Practice of Sustainable Development Pattern of Chinese Horseshoe Crab Conservation Community in Fujian, China</b> Li Yuhong, Huaqiao University</li> </ul>
<b>10:20-10:30</b>	Coffee and tea break
<b>Session 6-2</b>	
<b>Wetland education in the formal education sector (wetland schools)</b>	
Chair: Mr. Suh Seung Oh, RRC-EA Co-chair: Dr. Chen Kelin, International Wetland and River Beijing Rapporteur: Ms. Seong-Bo, RRC-EA	
<b>10:30-11:50</b>	<ul style="list-style-type: none"> <li>• <b>S6-5: China Wetlands School</b> Wei Zhilin, China Wetland School Committee</li> <li>• <b>S6-6: Design and Implementation of Geographical Interdisciplinary Thematic Teaching Marine Shellfish Culture for Junior Middle School</b> Xuliang Zhang, Qingdao University</li> <li>• <b>S6-7: Using Ecological Research Base to Explore a New Model of Nature Education Taking Zhangye Wetland Museum as an Example</b> Yang Fuhui, Zhangye Wetland Museum</li> </ul>
<b>11:50-13:30</b>	Lunch / Side events (11:50-12:50)





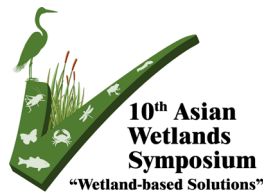
## Parallel sessions

<b>Day2 : 26 November, Tuesday</b>	
<b>Parallel session: Sapphire A</b>	
<b>Session 7-1</b> <b>Innovations in CEPA approaches</b>	
Chair: Mr. Bernard O'Callaghan, Nature Advisory Co-chair: Prof. Shiina Suzuki, Japan Wetland Society Rapporteur: Ms. Jade O'Callaghan, Melbourne University	
<b>13:30-14:50</b>	<ul style="list-style-type: none"> <li>• <b>S7-1: The SCPW Wetland Center Design Competitions: 20 years of CEPA for Wetland Centers in the Philippines</b> Aaron Julius Lecciones, University of the Philippines, Diliman</li> <li>• <b>S7-2: Connecting People, Nature, and Society: The East Asia Black-faced Spoonbill Flyway Children's Exchange Project</b> Akane Tokorodani, Hea-Jin Park, Team SPOON</li> <li>• <b>S7-3: Factors Affecting Community Participation in Rural Tourism: The Case of an Agricultural Landscape in Masbate, Philippines</b> Jofer Asilum, Sr. Memorial State College of Agriculture and Technology</li> <li>• <b>S7-4: Empowering Conservation through Community Knowledge: Mangrove Assessments and Education in Del Carmen, Siargao Islands</b> Cecilia Moran, University of Santo Tomas</li> </ul>
<b>14:50-15:00</b>	Coffee and tea break
<b>Session 7-2</b> <b>Innovations in CEPA approaches</b>	
Chair: Prof. Shiina Suzuki, Japan Wetland Society Co-chair: Mr. Bernard O'Callaghan, Nature Advisory Rapporteur: Ms. Jade O'Callaghan, Melbourne University	
<b>15:00-16:20</b>	<ul style="list-style-type: none"> <li>• <b>S7-5: Empowering Community-Driven Wetland Conservation: The Development and Impact of the Gamified Mobile Data Collection App (Wetland Journey)</b> Prasad Jayasinghe, Emotional Intelligence and Life Skills Training Team (Gte) Ltd</li> <li>• <b>S7-6: Preliminary Assessment of Aquatic Plants Monitoring in Urban Reservoirs Using Citizen Science Program</b> Seong Min Lee, Kunsan National University</li> <li>• <b>S7-7: Promoting Grassroots-level Wetland Cooperation Network in the Bay of Bengal Region: A Case of Crab Bank Initiative</b> Shimpei Iwasaki, Fukuoka Women's University, and Ramsar Center Japan</li> </ul>



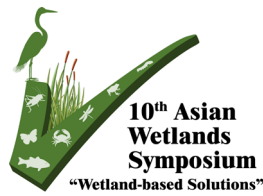
## Parallel sessions

<b>Day2 : 26 November, Tuesday</b>	
<b>Parallel session: Sapphire B</b>	
<b>Session 8-1 Wetlands, Nature-positive economy, and SDGs</b>	
Chair: Prof. Sansanee Choowaew, Mahidol University Co-chair: Mr. Yoshihiro Natori, Wetlands International Japan Rapporteur: Ms. Ahrum Hyung, RRC-EA	
<b>13:30-14:50</b>	<ul style="list-style-type: none"> <li>• <b>S8-1: Del Carmen Mangrove Forest Reserve: From Illegal Mangrove Cutting and Illegal Fishing to DENR Nominee to the UN Ramsar List of Wetlands of International Importance</b> Alfredo Matugas Coro II, Municipality of Del Carmen</li> <li>• <b>S8-2: Evaluation of 5-Year Coastal Resources Management (CRM) Plan: Highlighting the Importance of Wetland in the Coastal Area of Balanga City</b> King James Dela Rosa, Local Government of Balanga City</li> <li>• <b>S8-3: Integrating Agriculture and Tourism with Mangrove Conservation through Development of Ecological Structure in Nasugbu, Batangas</b> Selena Balbino Santos, University of the Philippines</li> <li>• <b>S8-4: Realizing Transformative Change Towards Nature-Positive Economy in Wetlands: Experiences from Ramsar Sites in Japan</b> Yuki Arai, Matsuyama University</li> </ul>
<b>14:50-15:00</b>	Coffee and tea break
<b>Session 8-2 Wetlands, Nature-positive economy, and SDGs</b>	
Chair: Mr. Yoshihiro Natori, Wetlands International Japan Co-Chair: Prof. Sansanee Choowaew, Mahidol University Rapporteur: Ms. Ahrum Hyung, RRC-EA	
<b>15:00-16:20</b>	<ul style="list-style-type: none"> <li>• <b>S8-5: Piloting Business Opportunities through Sustainable Livelihoods: Gelam Conservation and Small-Scale Enterprises</b> Chik Maslinda Omar, WWF-Malaysia</li> <li>• <b>S8-6: Navigating Uncertainties: Livelihood Development Strategies for COVID- Affected Fisher's Community of the Bay of Bengal</b> Md. Asaduzzaman Miah, Bangladesh POUSH</li> <li>• <b>S8-8: Laying the Foundation for a Crab Bank in Merbok, Kedah: Insights from a Pilot Project</b> Rabiatul-Adawiah Ahmad Rashid, University Sains Malaysia</li> <li>• <b>S8-9: Sustainable Crab Bank Development through Community Engagement and Traditional Management Practices in Banda Aceh</b> Alfi Rahman, Research Center for Social and Cultural Studies</li> </ul>



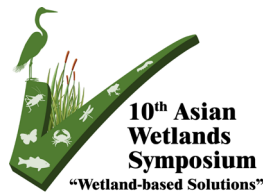
## Parallel sessions

<b>Day2 : 26 November, Tuesday</b>	
<b>Parallel session: Sapphire A</b>	
<b>Session 12-1</b> <b>Wetlands and ethnobiological knowledge</b>	
Chair: Prof. Shimpei Iwasaki, Ramsar Center Japan Co-chair: Dr. Bishnu Bhandari, Nepal Wetland Society Rapporteur: Ms. Yuki Ozaki, Ramsar Center Japan	
<b>16:00-17:00</b>	<ul style="list-style-type: none"> <li>• <b>S12-1: Crabs in Human Culture</b> Bishnu Bhandari, Nepal Wetlands Society</li> <li>• <b>S12-2: Fish skin Culture of the Hezhe Ethnic in Sanjiang Plain</b> Chen Kelin, International Wetlands and River Beijing (IWRB)</li> <li>• <b>S12-3: Insights into the Utilization of Fauna Species of Communities within the Leyte Sab-a Peatland, Philippines</b> Toctocan, Clivene, DENR-Ecosystems Research and Development Bureau</li> </ul>



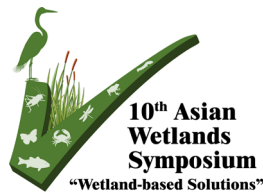
## Parallel sessions

<b>Day4 : 28 November, Thursday</b>	
<b>Parallel session: Ruby A</b>	
<b>Session 10-1 Wetlands and sustainable built environment</b>	
Chair: Prof. Nappy L. Navarra, D. Eng., College of Architecture, University of the Philippines Diliman Campus Co-chair: Arch. Richelle Rhea R. Baria, College of Architecture, University of the Philippines Diliman Campus Rapporteur: Mr. Rej Winlove Bungabong, SCPW and Ecosystems Research and Development Bureau	
<b>9:00-10:20</b>	<ul style="list-style-type: none"> <li>• <b>S10-1: Social Acceptability Assessment for Nature-Based Solution for Wastewater Treatment: The Case of the Wastewater Facility in Bayawan City, Negros Oriental (Philippines)</b> Darry Shel Estorba, SCPW</li> <li>• <b>S10-2: Assessing the Effects of Landscape Changes in Mangrove and Fishponds on the Ecological Structure in Catanduanes Island, Philippines</b> Leandro Lorenzo Berba, University of the Philippines</li> <li>• <b>S10-3: Understanding the Social Connectivity of Blue-green Infrastructure in Urban Wetlands: A Scoping Review of Current Themes</b> Aaron Julius Lecciones, University of the Philippines</li> <li>• <b>S10-4: Mainstreaming Biodiversity in Infrastructure: A Wetland Conservation and Management Perspective</b> Celestino B. Ulep, SCPW</li> </ul>
<b>10:20-10:30</b>	Coffee and tea break
<b>Special Session Meeting of the Living Lakes Network</b>	
Chair: Ms. Amy M. Lecciones, Society for the Conservation of Philippine Wetlands (SCPW) Rapporteur: Mr. Jose Carlo H. Quintos, SCPW	
<b>10:30-11:30</b>	• <b>Meeting of the Living Lakes Network</b>
<b>11:30-13:00</b>	Lunch / Side events (11:30-12:30)



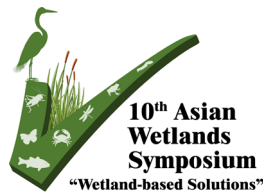
## Parallel sessions

<b>Day4 : 28 November, Thursday</b>	
<b>Parallel session: Ruby B</b>	
<b>Session 11</b> <b>Wetlands and disaster risk reduction management</b>	
Chair: Ms. Emiko Nagakura, Wetland International Japan Co-chair: Dr. Tanabe Atsushi, Ramar Center Japan Rapporteur: Mr. Pyae Phyoo Aung, Nature Conservation Society	
<b>9:00-10:20</b>	<ul style="list-style-type: none"> <li>• <b>S11-1: Mapping Fire Susceptibility in Leyte Sab-A Basin Peatland, Philippines</b> Glady Mae Vijandre, DENR-ERDB-WWRRDEC</li> <li>• <b>S11-2: Mangrove Conservation as Flood Management Approach in Kawit, Cavite, Philippines</b> Raia Alexis, Gallardo, University of the Philippines</li> <li>• <b>S11-3: Green-Gray Engineering for Coastal Greenbelts in Pedada, Ajuy, Iloilo, Philippines</b> J.H. Primavera, Zoological Society of London</li> <li>• <b>S11-4: Deforestation Analysis and Risk Assessment of Las Piñas Parañque Wetland Park from 1990 to 2020 using Google Earth Engine and Landsat Imagery</b> For. Juan Enrique D. Macaraig, Palafox Associates - Urban Planning</li> </ul>
<b>10:20-10:30</b>	Coffee and tea break



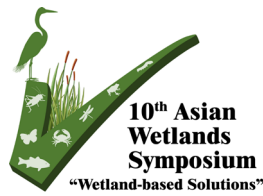
## Parallel sessions

<b>Day4 : 28 November, Thursday</b>	
<b>Parallel session: Sapphire A</b>	
<b>Session 12-2</b> <b>Wetlands and ethnobiological knowledge</b>	
Chair: Prof. Shimpei Iwasaki, Ramsar Center Japan Co-chair: Dr. Bishnu Bhandari, Nepal Wetland Society Rapporteur: Ms. Yuki Ozaki, Ramsar Center Japan	
<b>9:00-10:20</b>	<ul style="list-style-type: none"> <li>• <b>S12-4: Faith-based Conservation in wetlands</b> Durga Dash, Pallishree</li> <li>• <b>S12-5: Understanding of Wetland Animals in Korean Traditional Painting</b> Gea-Jae Joo, University of the Philippines</li> <li>• <b>S12-6: Human-Dolphin Mutualism, Faith and Social Taboo in Myanmar</b> Than Htun, Myanmar Forest Association</li> <li>• <b>S12-7: What Science and Native People Say on Snake-headed fish (<i>Channa striata</i>), a Common Freshwater Fish Species in Sri Lanka</b> Indika R. Palihakkara, University of Ruhuna</li> </ul>
<b>10:20-10:30</b>	Coffee and tea break
<b>Session 12-3</b> <b>Wetlands and ethnobiological knowledge</b>	
Chair: Prof. Shimpei Iwasaki, Ramsar Center Japan Co-chair: Dr. Bishnu Bhandari, Nepal Wetland Society Rapporteur: Ms. Yuki Ozaki, Ramsar Center Japan	
<b>10:30-11:30</b>	<ul style="list-style-type: none"> <li>• <b>S12-8: Nomenclature of Waterbodies After Fauna</b> Jitendriya Naik, Pallishree</li> <li>• <b>S12-9: Values of the Lesser Adjutant in the Indigenous Communities</b> Puspa Lal Pokhrel, Tribhuban University</li> <li>• <b>S12-10: Social Taboos on Wetland Fauna</b> Tapas Ranjan Chakraborty, Bangladesh POUSH</li> </ul>
<b>11:30-13:00</b>	Lunch / Side events (11:30-12:30)



## Parallel sessions

<b>Day4 : 28 November, Thursday</b>	
<b>Parallel session: Sapphire B</b>	
<b>Session 5</b> <b>Carbon-rich wetlands</b>	
Chair: Mr. Suh Seung Oh, Ramsar Regional Center – East Asia (RRC-EA) Rapporteur: Ms. Seong-Bo Kim, RRC-EA	
<b>9:00-10:20</b>	<ul style="list-style-type: none"> <li>• <b>S5-1: Wetlands as Fundamental Carbon Sink Across the Hindu Kush Himalaya (HKH) Region</b> Dan Zhu, Chengdu Institute of Biology, Chinese Academy of Sciences</li> <li>• <b>S5-2: “C-WETLAND”: A New Paradigm to Enhance Conservation of Carbon-rich Wetlands</b> Huai Chen, Chengdu Institute of Biology, Chinese Academy of Sciences</li> <li>• <b>S5-3: Peatland Inventory and Assessment in India</b> Shivani Negi, Dhruv Verma, Wetlands International South Asia</li> <li>• <b>S5-4: TBC</b> Srijana Joshi, ICIMOD</li> </ul>
<b>10:20-10:30</b>	Coffee and tea break
<b>Session 13</b> <b>Wetland International - Philippines</b> <b>Conservation and wise use of wetlands</b>	
Chair: Dr. Annadel S. Cabanban, Wetland International - Philippines Rapporteur: Ms. Danica Uy, Wetlands International-Philippines	
<b>10:30-11:30</b>	<p>PS3-7: Biodiversity of the Shinan Tidal Flats, Chang-uk, Park, Shinan County, Republic of Korea</p> <p>PS1-3: Assessing Species Diversity and Carbon Stock in Mangrove Ecosystem: Implication for Conservation and Restoration Strategies in Nangka II, Mogpog, Marinduque, Philippines, Althea Monleon, Mangrove Matters PH</p> <p>PS3-3: Assessment of Mangrove Resource Rehabilitation in terms of Regeneration Capacity and Species Diversity in Buyabod, Sta. Cruz, Marinduque, Philippines, Ellen Grace Aguiflor, The Hearth Movement</p> <p>PS1-5: Community-led Initiatives on adapting System of Rice Intensification (SRI) in Chilika Ramsar Site, India, Jitendriya Naik, Pallishree</p>
<b>11:30-13:00</b>	Lunch / Side events (11:30-12:30)



### 3.3 Poster sessions

25-28 November 2024

Opal

- **Core time: 13:00-13:30, 26 November 2024 (Tuesday)**  
During the core time, poster presenters are requested to stand in front of their own poster panel and explain their research/activity to audience

#### Session 1

##### Wetlands and climate change adaptation and mitigation

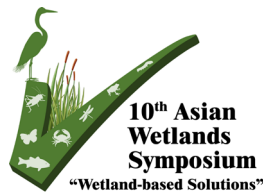
- **PS1-1: Irregularity in Mass nesting of Olive Ridley Sea Turtle along BoB Due to the Adverse Impact of Climate Change**  
Acharya Chinmaya Mishra, Pallishree
- **PS1-2: Planter Rain Garden in Kumamoto, Japan**  
Akane Tokorodani, Prefectural University of Kumamoto
- **PS1-3: Assessing Species Diversity and Carbon Stock in Mangrove Ecosystem: Implication for Restoration and Conservation Strategies in Nangka II, Mogpog, Marinduque, Philippines**  
Althea Monleon, Mangrove Matters PH
- **PS1-4: Comparative Assessment of Greenhouse Gas Emissions from Peatlands: A Study on Bambanin and Caimpugan Sites in the Philippines**  
Diana Riza A. Africa, DENR-ERDB
- **PS1-5: Community Led Initiatives on Adapting System of Rice Intensification (SRI) in Chilika Ramsar Site, India**  
Jitendriya Naik, Pallishree
- **PS1-6: The Philippines Blue Carbon Quantification Protocol (BCQP): An Introduction to the National Protocol and Case Study in e-NIPAS Protected Areas**  
Venus Calanda, Zoological Society of London

#### Session 2

##### Wetland restoration

- **PS2-1: Germination of Pogat *Sonneratia alba*: Effect of Seed Drying on Root and Shoot Development**  
Rona Joy Loma, Zoological Society of London
- **PS2-2: From Abandoned Ponds to Mangrove Ecopark: The Story of the Leganes Integrated Katunggan Mangrove Ecopark (LIKE) in Iloilo, Central Philippines**  
Rodney Golbeque, Zoological Society of London
- **PS2-3: Prediction of wetland vegetation using deep learning**  
Yoshiyasu Fujimura, Nippon Koei Co. Ltd.
- **PS2-4: Germination Trails on *Camptostemon philippinensis* (Gapas-gapas), Endangered**  
Jofel D. Coching, Zoological Society of London - Philippines





### Session 3

#### Wetland biodiversity

- **PS3-1: Then and Now: How Does the Macroinvertebrate Community in the Pasig River Change from 15 Years Ago?**  
Annieraj Velasco, DENR- Ecosystems Research and Development Bureau
- **PS3-2: Macroinvertebrate Communities as Indicators of Ecological Health in the Babuyan River, an Inland Wetland within Palawan's Biodiversity Hotspot**  
Cynthia Marquez, DENR-Ecosystems Research and Development Bureau
- **PS3-3: Assessment of Mangrove Resource Rehabilitation in terms of Regeneration Capacity and Species Diversity in Buyabod, Sta. Cruz, Marinduque, Philippines**  
Ellen Grace Aguiflor, The HEarth Movement
- **PS3-4: Composition, Abundance, and Distribution of the Diatom Genus, Chaetoceros Ehrenberg, Along the Coastal Waters of Calatagan, Batangas**  
Larry Padilla, University of the City of Manila
- **PS3-5: Case Studies of Biodiversity Monitoring Surveys in Coastal Areas, "Monitoring Site 1000 Project"**  
Ryoko Ueno, Wetlands International Japan
- **PS3-6: Crab Bank Helps to Increase the Crab Population in BoB**  
Wardi Kasinath, Pallishree
- **PS3-7: Biodiversity of the Shinan Tidal Flats**  
Chang-uk Park, Shinan County, Republic of Korea
- **PS3-8: Migration Pattern of Whooper Swan *Cygnus cygnus* in South Korea and Mongolia**  
Yerim Lee, Pusan National University

### Session 4

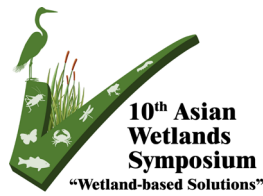
#### Conservation and wise use of wetlands

- **PS4-1: Strengthening Conservation through Scientific Studies and Community Engagement: The Case of Setiu Wetlands, Malaysia**  
Daria Mathew Abdullah, WWF-Malaysia
- **PS4-2: Historical Wetland Loss in the Nakdong River: Identifying Major Habitat Loss Factors Over 100 Years**  
Ran-Young Im, Kunsan National University
- **PS4-3: Conservation of Biodiversity of a Small Wetland in Japan by Youth**  
Yuto Uemura, Ehime University

### Session 6

#### Wetland education in the formal education sector (wetland schools)

- **PS6-1: Design and Implementation of Geographical Interdisciplinary Thematic Teaching "Marine Shellfish Culture" for Junior Middle School**  
Zhang Xuliang, Qingdao University
- **PS6-2: Parents-Teachers-Students Partnership Three-fold Approach of ESD Activities in the Conservation of Mangrove Forest in Malaysia**  
Rabiatul-Adawiah Ahmad Rashid, University Sains Malaysia



## Session 7

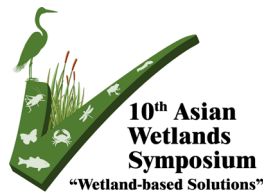
### Innovations in CEPA approaches

- **PS7-1: Mobilizing CEPA Activities for Community led Eco-system Management and Nature-based Solutions in the Newly Designated Ramsar Sites in India**  
Durga Prasad Dash, Pallishree
- **PS7-2: Evaluation and Prospects for Wetland Exchange Program between Tidal Flats in Sinan County, R.O.Korea and the Ariake Sea, Japan**  
Atsushi Tanabe, Ramsar Center Japan
- **PS7-3: Saribuhay: A Collectible Card Game for Biodiversity Education in the Philippines**  
Hannah Marie Bianca P. Samson, ILS Studio
- **PS7-4: Wetland Centers in Regional Network**  
Seongbo-Bo Kim, Ramsar Regional Center – East Asia
- **PS7-5: Wetlands in Environmental Education Curriculum to Cope with Adverse Climate Change Scenario**  
Anusree Ghosh, Bangladesh Open University
- **PS7-6: Collaboration with YouTube Creators for Wetland-themed Video Clips and Enhancing Public Awareness on Wetlands**  
Seong-Bo Kim, Ramsar Regional Center – East Asia

## Session 11

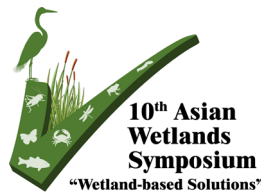
### Wetlands and disaster risk reduction management

- **PS11-1: Integrating Disaster Risk Reduction into Wetland Management: A Case Study of Community-Based Camera Monitoring System in Japan**  
Takuma Satoh, Prefectural University of Kumamoto

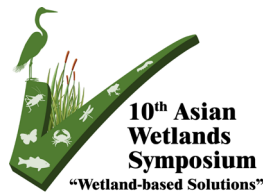


### 3.4 Side events

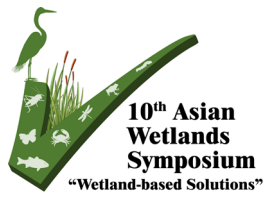
<b>Date: 25 November, Monday</b> <b>Time: 12:00-13:20</b>	
<b>Sapphire A</b>	<ul style="list-style-type: none"> <li> <b>The Living Lakes, Biodiversity and Climate Project</b>            Society for the Conservation of Philippine Wetlands, Inc.         </li> </ul> <p>The side event aims to showcase the global project of the International Living Lakes Network being implemented across 10 countries under the "Living Lakes, Biodiversity and Climate Project" or LLBCP. This 5-year initiative is funded by the Germany's Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection under the International Climate Initiative (IKI) with the Global Nature Fund, an NGO based in Germany as the Lead Organization. The main objective of the LLBCP is to ensure that the conservation and restoration of wetlands and the protection of related biodiversity are improved in the long term. The project works on 10 critical landscapes developing Nature-Based Solutions and fostering training and capacity building alongside local partners, such as the Society for the Conservation of Philippine Wetlands, Inc.</p> <p>The Philippine component of the LLBCP focuses on the establishment of a farm tourism enterprise complemented by a strong CEPA strategy through a Wetland Education Center in the Candaba Wetlands and the Green Filters or Constructed Wetlands in the Pangil River Eco-Park.</p> <p>The side event will be in a panel discussion format where the speakers who are part of the LLBCP from the Philippines, Cambodia, and Sri Lanka, are invited to share their national initiatives under the project. It will also introduce the International Living Lakes Network and initiate the establishment of a Sub-Network in Southeast Asia.</p>
<b>Sapphire B</b>	<ul style="list-style-type: none"> <li> <b>Issues Related to Balance Wetlands Conservation and Renewable Energy: Enhancing cooperation between Japan-Taiwan</b>            Ramsar Center Japan         </li> </ul> <p>With the growing interest in dealing with the global environment issues, environmental policies have been implemented in many fields. One of the issues for environmental protection is balancing or adjusting of wetland conservation and renewable energy. The actions that address renewable energy through the installation of solar panels and other means are not necessarily compatible with wetland conservation. Rather, they are overtaking wetland reclamation, landscape destruction, etc., some of which are perceived as greenwash.</p> <p>Therefore, this side event we will invite experts from Japan and Taiwan and will focus on responses to wetland conservation and renewable energy creation in each country. Through information sharing, we would like to discuss strengthening collaboration for wetland conservation and identify in promoting solutions to multiple environmental problems, including enhancing wetland conservation.</p> <p><b>*Acknowledgement</b>            The part of this presentation is supported by ESPEC Foundation for Global Environment Research and Technology</p>



<p><b>Date: 26 November, Tuesday</b>  <b>Time: 11:50-12:50</b></p>	
<b>Sapphire A</b>	<ul style="list-style-type: none"> <li>• <b>Side Event on the Draft Ramsar Resolution on Wetland Vulnerability</b>  Biodiversity Management Bureau - Caves, Wetlands, and other Ecosystems Division.</li> </ul> <p>As wetlands play a crucial role in providing ecosystem services such as water purification, flood control, carbon sequestration, and biodiversity habitats, they are increasingly threatened by climate change. Recognizing this, the Biodiversity Management Bureau is organizing a side event during AWS10 to initiate discussions on the need for tools to assess and manage wetland vulnerability. Specifically, the side event will spotlight the draft Ramsar Resolution and the Climate Change Vulnerability Assessment Tool (WetVAT).</p> <p>The goals are to: (1) Enhance awareness about wetland vulnerability to climate change; (2) Engage key stakeholders in meaningful discussions about WetVAT and its application; and (3) Collect valuable feedback to refine the draft resolution for the upcoming 64th Standing Committee (SC64) meeting and the 15th Conference of the Contracting Parties (COP15) to the Ramsar Convention.</p>
<b>Sapphire B</b>	<ul style="list-style-type: none"> <li>• <b>Introduction of “Green Catchment based Flood Management”: A new approach to flood management and Sustainable Societies of Kumagawa River, Japan</b>  COI-NEXT Open Innovation Platform of Catchment based Flood Management for Sustainable Societies</li> </ul> <p>"Catchment based Flood Management" (CBFM) is a new approach of flood control measures that target entire watersheds and include not only hard infrastructure but also soft measures such as runoff control, inundation flow control, and land use regulations. "Green Catchment based Flood Management" incorporates an environmental perspective into these measures, and is a flood control measure that leads to sustainable regional development and environmental preservation.</p> <p>In this side event, four speakers will introduce the latest information of CBFM from their perspective and they will share their projects how they deal with flood damage using the idea of Eco-DRR with stakeholders of Kumagawa river area to audience. CBFM will be expected to bring sustainable Society as well and happy to make constructive discussion in event.</p> <p>*Acknowledgement  This presentation is supported by JST Grant Number JPMJPF2109</p>
<b>Ruby B</b>	<ul style="list-style-type: none"> <li>• <b>Wetland Education in the Formal Education Sector: Activities in Practice</b>  Korea Wetland School Network</li> </ul> <p>In response to adoption of Resolution XIV.11 Wetland Education in the Formal Education Sector at the 14th Conference of Contracting Parties of the Ramsar Convention on Wetlands, the Korea Wetland School Network (KWSN) was established in 2023 to encourage wetland education in the formal education curriculum. The KWSN will share actual educational programs in practice from schools in the Republic of Korea and participants will have opportunity to experience the hands-on activities (wetland or biodiversity theme) facilitated by the school teachers and wetland education experts.</p>



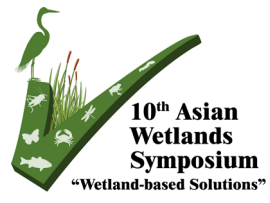
<p><b>Date: 28 November, Thursday</b>  <b>Time: 11:30-12:30</b></p>	
<p><b>Sapphire A</b></p>	<ul style="list-style-type: none"> <li>• <b>Traditional or Local Ecosystem-based Disaster Risk Reduction (Eco-DRR) Related to Wetlands in Asia</b>  Biodiversity Management Bureau - Caves, Wetlands, and other Ecosystems Division.</li> </ul> <p>This session will describe and discuss case studies of traditional Ecosystem-based approaches to disaster risk reduction (Eco-DRR) related to wetlands in Asia. As the number of disasters increases globally and the damage has expanded, Eco-DRR draws attention. Due to the impact of climate change, etc., the number of disasters has increased worldwide. Especially, the Asian region is the most affected area in the world regarding the number of disasters, the number of deaths, and the amount of damage. In these circumstances, wetlands could be a natural buffer against an increasing number of natural disasters.</p> <p>This session will provide an opportunity for understanding this new concept through reviewing case studies and discussion among participants. The case studies would be available from Japan and some countries in Southeast Asia or South Asia. If traditional knowledge and technique still exist and work, it would be beneficial for the area and other countries to understand how they are functioning. It is relevant to Topics of Wetlands and climate change adaptation and mitigation and Wetlands and disaster risk reduction management.</p>
<p><b>Sapphire B</b></p>	<ul style="list-style-type: none"> <li>• <b>Wetland CEPA Program Case Study: Integrative Approaches to Wetland Conservation and Education</b>  Wild Bird Society of Taipei</li> </ul> <p>This event will present different wetland program innovative case study in wetland conservation and education, showcasing a multi-faceted model that integrates volunteers, cross-disciplinary collaboration, arts, schools, and ESG (Environmental, Social, and Governance) principles. The goal is to provide diverse approaches and solutions for participants to explore and apply in their respective regions.</p> <ol style="list-style-type: none"> <li>1. Volunteers: Highlight the essential role of community volunteers in wetland monitoring, education, and conservation efforts.</li> <li>2. Cross-disciplinary Collaboration: Demonstrate partnerships among NGOs, government, academia, and businesses to achieve holistic conservation outcomes.</li> <li>3. Arts Integration: Show how arts and culture can be leveraged to raise awareness and engage the public in wetland preservation.</li> <li>4. School Engagement: Share strategies for incorporating wetland conservation into school curricula, fostering environmental stewardship from a young age.</li> <li>5. ESG Practices: Discuss how businesses can integrate ESG principles into their operations by supporting wetland conservation projects.</li> </ol>



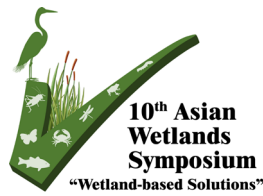
### **3.5 Closing program**

28 November 2024, Thursday  
Ruby AB

Time	Activity
13:00-13:15	Award ceremony for outstanding presentations <ul style="list-style-type: none"><li>• Oral presentations</li><li>• Poster presentations</li></ul>
13:15-13:30	Closing message <ul style="list-style-type: none"><li>• Presentation of the AWS 10 Statement on Wetland-based Solutions in Asia</li></ul>



# Field Trip



#### 4. Field Trip Sites

28 November 2024, Wednesday

Course 1: Candaba Wetlands (Barangay Paligui, Candaba, Pampanga)

Course 2: Pangil River Eco-Park (Pangil, Laguna)

Course 3: Las Piñas – Parañaque Wetland Park (Cities of Las Piñas and Parañaque along Manila Bay)