

# **PROGRAM BOOK**

## **The 3rd Asia-Pacific Water Summit**

**~ Water Security for Sustainable Development ~**



**3rd Asia-Pacific Water Summit  
Yangon Myanmar 2017**

**11th-12th December, 2017**

**SEDONA Hotel Yangon, Myanmar**

**The Republic of the Union of Myanmar**

**The Asia-Pacific Water Forum**



3rd Asia-Pacific Water Summit  
Yangon Myanmar 2017

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## The 3rd Asia-Pacific Water Summit (APWS)

### Outline:

<b>Theme</b>	Water Security for Sustainable Development
<b>Date</b>	11th-12th December 2017
<b>Venue</b>	SEDONA Hotel Yangon, Myanmar
<b>Organizer</b>	The Republic of the Union of Myanmar and Asia-Pacific Water Forum (APWF)
<b>Invitees and Participants</b>	<ul style="list-style-type: none"> <li>-Heads of states and governments</li> <li>-Ministerial-level dignitaries</li> <li>-High-level delegates from international organizations</li> <li>-Experts in the field of water</li> </ul>
<b>Objectives</b>	<p>In Pursuit of the SDGs, the 3rd APWS is held:</p> <ul style="list-style-type: none"> <li>✓ to set out a course for the sustainable development of the Asia-Pacific region with a perspective on water.</li> <li>✓ to provide and share concrete actions, solutions, innovation toward transboundary and multi-partnership cooperation for integrated water resources management, water-based economy and implementation of globally agreed agendas.</li> </ul>
<b>Outcomes</b>	A Message/Declaration will be shared in relevant international water conferences such as the 8th World Water forum held in Brazil on 18th-23th march 2018.
<b>Sessions</b>	<ol style="list-style-type: none"> <li>1. Reviving Hydrological Cycles: Rainwater Harvesting and Sustainable Groundwater Management</li> <li>2. Governance for Sustainable Urban Water Supply</li> <li>3. Better Governance: Inclusive Approach through good practices on water governance and IWRM</li> <li>4. Water and Disasters in the Context of Climate Change –From the Mountains to the Islands -</li> <li>5. Water, Energy, Food and Ecosystems</li> <li>6. Improving Sanitation and Wastewater Management</li> <li>7. Roles of Women and Youth in Water Security and SDGs</li> <li>8. Financing Implementation of Water-Related Sustainable Development Goals (SDGs)</li> <li>9. Working Together: Multi-Stakeholders Partnership for Regional Cooperation</li> <li>10. Source-to-Sea opportunities in the Asia-Pacific region</li> </ol>
<b>Website</b>	<a href="http://apwf.org/summit/myanmar2017">http://apwf.org/summit/myanmar2017</a>

## Programme:

### Day1: Monday, 11th December

Open - 9:30	Registration / Networking			
9:30- 12:00	<b>Opening Plenary</b> at Grand Ballroom, Level 1 <ul style="list-style-type: none"> <li>✧ Welcoming and Opening Remarks from the summit level Representative Myanmar</li> <li>✧ Welcome Speech from APWF President</li> <li>✧ Photo Session</li> <li>✧ Keynote Addresses <ul style="list-style-type: none"> <li>- by Chair of National Water Resource Committee, the Republic of the Union Myanmar</li> <li>- by Heads of Government in Asia-Pacific Region</li> <li>- by Heads of non-government institutions</li> </ul> </li> </ul>			
12:00- 13:30	Lunch			
13:30- 15:00	<b>Parallel Thematic Sessions</b>			
	Session 1: Reviving Hydrological Cycles: Rainwater Harvesting and Sustainable Groundwater Management	Session 2: Governance for Sustainable Urban Water Supply	Session 3: Better Governance: Inclusive Approach through good practices on water governance and IWRM	Session 4: Water and Disasters in the Context of Climate Change – From the Mountains to the Islands-
	at Grand Ballroom Section I, Level 1	at Grand Ballroom Section II, Level 1	at Grand Ballroom Section III, Level 1	at Mindon Room, Level 2
15:00- 15:30	Coffee Break			
15:30- 17:00	<b>Parallel Thematic Sessions</b>			
	Session 5: Water, Energy, Food and Ecosystems	Session 6: Improving Sanitation and Wastewater Management	Session 7: Roles of Women and Youth in Water Security and SDGs	(continue)Session 4
	at Grand Ballroom Section I, Level 1	at Grand Ballroom Section II, Level 1	at Grand Ballroom Section III, Level 1	at Mindon Room, Level 2
19:00-	Welcome Reception			

## Day2: Tuesday, 12th December

Open - 9:00	Registration / Networking		
9:00- 11:00	<b>Parallel Thematic Sessions</b>		
	Session8: Financing Implementation of the Water-Related Sustainable Development Goals (SDGs)	Session 9: Working Together: Multi-Stakeholders Partnerships for Regional Cooperation	Session10: Source-to-Sea opportunities in the Asia-Pacific region
	at Grand Ballroom, Level 1	at Mindon Room, Level 2	at Inyra Room, Level 11
11:00- 11:30	Coffee Break		
1130- 13:00	<b>Leaders Statement toward Water Security for Sustainable Development</b> at Grand Ballroom, Level 1		
1300- 14:00	Lunch		
14:00- 16:00	<b>Recap of Discussion in the 3rd APWS</b> (Report back from each parallel thematic session ) <b>Closing Plenary</b> <ul style="list-style-type: none"> <li>✧ The 3rd APWS Key Messages and Outcomes</li> <li>✧ Adoption of the 3rd APWS Declaration</li> <li>✧ Closing Remarks from APWF</li> <li>✧ Closing Remarks from Myanmar</li> </ul>		at Grand Ballroom, Level 1
19:00-	Farewell Cocktail		

## **Session: Reviving Hydrological Cycles: Rainwater Harvesting and Sustainable Groundwater Management**

Date: 11<sup>th</sup> December 2017, Time: 13:30 -15: 00

Venue: SEDONA Hotel Yangon, Myanmar (<http://www.sedonahotels.com.sg/yangon>)

### **Session Lead: International Centre for Integrated Mountain Development (ICIMOD)**

#### **Session Co Leads:**

- Ministry of Land, Infrastructure, Transport and Tourism (MLIT) Japan, WRM Department
- Ministry of Education, Myanmar
- Ministry of Agriculture, Livestock and Irrigation, Myanmar

#### **Background**

Springs in the hills and mountains and wells in plains are the basic ground water sources for domestic and irrigation uses. Groundwater also plays an important role in sustaining ecosystem services as it provides base flow to river systems. Groundwater source is increasingly drying up in many places as a result of climate and other socio- economic, infrastructural and demographic changes. Ensuring affordable and sustainable access to drinking and agricultural water with maintaining the environmental flow, therefore, is a key challenge in the entire Asia Pacific region. It assumes even more significance in the Hindu Kush Himalayas (HKH) and the river basins that emanate from the HKH because these 10 rivers together support around 2 billion of Asia's population, and support some of the most intensively irrigated area in the continent.

Drying or decreasing groundwater sources can be revived through rainwater harvesting and increasing infiltration that recharges aquifers, thus rainwater harvesting and groundwater management have strong interlinkages and should always be promoted in tandem. Furthermore, with the viewpoint of "water cycle", comprehensive and united approaches are required taking into consideration each field of water; forest, rivers, farmland, urban area, lakes and marshes, and coastal area.

Based on the backgrounds, ICIMOD was appointed to the session coordinator of the session '**Reviving Hydrological Cycles: Rainwater Harvesting and Sustainable Groundwater Management**' "with Ministry of Land, Infrastructure, Transport and Tourism (MLIT) Japan, Ministry of Education and Ministry of Border Affairs, Myanmar.

The session will deal with four aspects of rainwater harvesting and groundwater use: a) rainwater harvesting for domestic and agricultural uses, b) rainwater harvest for aquifers recharge, c) ground water use and its sustainable management in agricultural sector and d) holistic approach with the viewpoint of "water cycle".

#### **Objectives of session:**

To share state of the art knowledge on ongoing national/regional /local level water harvesting practices, strategies and policies that contribute to

- access to safe drinking water during dry season for domestic and agricultural uses,
- increase infiltration to recharge aquifer that provides water to springs and wells for domestic and agricultural uses,

- share success stories where groundwater, coupled with rainwater harvesting for recharge has led to increase in agricultural production, and
- Foster sound water cycle through the coordination among various stakeholders of water.

#### Outcome of the session:

To consolidate actionable good practices/strategies and policies on rainwater harvesting and ground water use and management that have been widely adopted in the region with their implementation processes, lessons learned, and approaches taken, and to recommend for mainstreaming such knowledge in national plans and policies.

#### Programme:

Session Chair (s) name:	Ravi Narayanan, APWF (Chair) U Hla Baw, NWRC/ GWP Asia (Co-Chair)
Potential Presenters/ Panelists	<p><b>Presenters (short 7 min presentation each):</b></p> <ol style="list-style-type: none"> <li>1. U Aung Khaing Moe, Assistant Director, Irrigation and Water Utilization Management Department (IWUMD), MOALI: presentation title TBC</li> <li>2. Dr. Thura Oo, Rector, Ministry of Education (MOE): presentation title TBC</li> <li>3. Mr. Madhav Dhakal, Associate Hydrologist, ICIMOD: Rainwater harvesting in Shan State, Myanmar</li> <li>4. Mr. Tsutomu Nagata, Director, Water Conservation Division, Environmental Promotion Department, Environment Bureau, Kumamoto City, JAPAN: Sustainable Groundwater Preservation in Kumamoto.</li> <li>5. Dr. Shahbaz Khan, Director, UNESCO Asia Pacific Regional Bureau for Science: Threats and Opportunities for Integrated Water Harvesting and Groundwater Management</li> <li>6. Dr. Aditi Mukherji, Theme Leader, Water &amp; Air, ICIMOD: Step wise spring revival protocols for mountains</li> <li>7. Dr. Paul Pavelic, IWMI, Laos: Innovative underground solutions to addressing water variability and climate change</li> </ol> <p><b>Panelists:</b></p> <p><b>Facilitator : Dr. John Dore, Advisor, DFAT</b></p> <ol style="list-style-type: none"> <li>1. U Than Zaw, Assistant Director, Irrigation and Water Utilization Management Department (IWUMD), Ministry of Agriculture, Livestock and Irrigation (MOALI).</li> <li>2. Mr. Joern Kristensen, Executive Director, Myanmar Institute for Integrated Development (MIID)</li> <li>3. Prof. Dr. Khin Ni Ni Thein, Secretary, NWRC-Myanmar</li> <li>4. Dr. Toshio Okazumi, Councilor, Secretariat of Water Cycle Policy Headquarters, Cabinet Secretariat, JAPAN</li> </ol> <p><b>Closing Remarks:</b></p> <p>Summary and conclusion by Mr. Keiichi Ishii, Minister of Land, Infrastructure, Transport and Tourism, JAPAN.</p>

#### Contact Person:

Dr. Aditi Mukherji ([aditi.mukherji@icimod.org](mailto:aditi.mukherji@icimod.org)) and Mr. Madhav Dhakal ([madhav.dhakal@icimod.org](mailto:madhav.dhakal@icimod.org))  
International Centre for Integrated Mountain Development (ICIMOD).  
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## **Background Information:**

**Time and date:**  
12/11 13:30- 15:00

**Lead Organizer:**  
JICA

**Co-lead Organizer:**  
YCDC

**Session Chairs:**  
H.E. Dr. Maung Maung Soe  
(Mayor of Yangon)

Mr. Kunihiro Yamauchi  
(Director General, Global  
Environment Department,  
JICA )

## **Presenters/Panelists**

- Prof. Satoshi Takizawa  
(The University of Tokyo,  
Japan)
- H.E. Ek Sonn Chan  
(Secretary of State,  
Ministry of Industry and  
Handcraft, Cambodia)
- Ms. Daw Thi Thi Khaing  
National Water Resource  
Committee (NWRC)/  
Deputy Director at  
Department of Urban and  
Housing Development,  
Ministry of Construction  
(Myanmar)
- Ms. Daw Hlaing Maw Oo  
Secretary, Yangon City  
Development Committee  
(YCDC) (Myanmar)

## **Overview**

Referring to the case of Cambodia, which has drastically improved its water governance in recent years, and the case of Myanmar, where strengthening of governance is an urgent issue, we will discuss the key principles necessary for strengthening governance and the approaches for achieving SDGs target 6.1.

## **Discussions**

To achieve the target of SDGs, governance such as establishing and implementing national water supply policy and water supply law is important. Governance is deeply influenced by the historical and social background, and institutions of each country, as well as the stage of development. Therefore, in this session while capturing the principle of good governance, we will also have a panel discussion keeping in mind of the perspective that appropriate governance can differ according to the circumstances of each country.

## **Presenters**

### **H.E. Ek Sonn Chan**



H.E. Ek Sonn Chan is well known for a large contribution to the drastic reform of Phnom Penh Water Supply Authority (PPWSA), where he gave his full commitment as General Director to rehabilitating this troubled public utility, bringing safe drinking water to a million people in Cambodia's capital city.

### **Awards (Recent):**

- 2004 ADB Water Prize (PPWSA)
- 2006 Ramon Magsaysay Prize for Government Service
- 2010 Récipient of Chevalier dans l'Ordre de la Légion d'Honneur of French Président
- 2010 Stockholm Industry Award (PPWSA)

### **Employment (Recent):**

- 2013- present Secretary of State, Ministry of Industry & Handicraft (MIH)
- 2012-2013 Under Secretary of State, Ministry of Industry, Mines & Energy
- 1997-2012 General Director, Phnom Penh Water Supply Authority (PPWSA)
- 1993-1997 Director, Municipal Water Supply

### **Prof. Satoshi Takizawa**

Dr. Takizawa is one of the leading experts of waterworks engineering in Japan. For long years he has been enthusiastically engaged in research and projects for urban water systems in the world, particularly in the Asian region and made a big contribution to its improvement. Also Dr. Takizawa was seconded to the Environmental Engineering Programme, Asian Institute of Technology in Thailand as a JICA Expert from 1997 to 1999.





## Presenters

### Ms. Daw Hlaing Maw Oo



Ms. Daw Hlaing Maw Oo is Secretary of YCDC and former Director (Architect) of Department of Human Settlement and Housing Development under Ministry of Construction. She has strong initiative for the improvement of water supply sector and other urban infrastructure development of Yangon City.

### Ms. Daw Thi Thi Khaing



Ms. Daw Thi Thi Khaing, Deputy Director at Department of Urban and Housing Development, Ministry of Construction, has been leading urban water supply and sanitation in housing projects since 2000.

## Chair

### H.E. Dr. Maung Maung Soe



H.E. Dr. Maung Maung Soe is Chairman of YCDC and Mayor of Yangon. He is also Minister for Yangon Region Development Affairs and a former professor of Applied Economics Department at Yangon Institute of Economics as well. YCDC is responsible for water supply management of Yangon City. He has a great desire to fulfill increasing demand for safe water of the people in Yangon City and also other urban and rural areas in Yangon Region as well.

#### Educational Background:

Ph.D University of Information Technology and Management in Rzeszow, Poland  
Doctor of Ministry Manila, Master of Ministry Manila  
Master of Development Studies, ISS Hague

## Key Messages

- The roles of the central and local governments are essential for supplying safe and sustainable drinking water for the entire nation. The central government needs to establish standards to be met by the water supply utilities, enforce them, and conduct monitoring.
- Sharing information with other countries, learning effective measures and good practice, and referring to the different situation of each country are important.
- For the case of Myanmar, the central government needs to designate the ministry and the division responsible for urban water supply, which shall improve governance by enacting the water supply law, developing various standards and guidelines, establishing a monitoring system, and so forth.

## Schedule

Time	Title	Presenter	Duration
13:30-13:35	Opening: Explanation of the Theme	YCDC	5 min
13:35-13:55	Keynote Presentation Governance and Institution for Water Supply	Prof. Satoshi Takizawa (The University of Tokyo)	20 min
13:55-14:10	Case study 1 : Water Supply Governance in Cambodia	H.E. Ek Sonn Chan (MIH)	15 min
14:10-14:20	Case study 2 Water Supply Governance in Myanmar	Ms. Daw Thi Thi Khaing (NWRC)	10 min
14:20-14:30	Case Study 3 Water Supply Governance in YCDC	Ms. Daw Hlaing Maw Oo (YCDC)	10 min
14:30-14:55	Panel Discussion Essential elements for Water Governance	Moderator: JICA Panelist: Speakers of keynote presentation and case studies	25 min
14:55-15:00	Closing: Summary of the Session	JICA	5 min
Total time			90 min

## ***Better Governance : Inclusive Approach through good practices on water governance and IWRM***

### **I. Background and outline of the session**

Water needs to be managed successfully with consideration of ecosystem and biodiversity for sustainable development. Concept of Ecohydrology which is an interdisciplinary study on relationship with water and ecosystem to improve water security is now discussed. To make it happen, integrated and holistic approaches such as Integrated Water Resources Management (IWRM) has discussed and implemented for the last few decades. The success of such interventions rely on our ability to address and solve complex problems, taking into account the contributions and views of all stakeholders concerned and empowering all levels to take required action in a coordinated manner and applying appropriate and applicable approach in structural and non-structural- in other words, on our ability to ensure effective and equitable **Water Governance**.

Based on these backgrounds, Network of Asian River Basin Organizations (NARBO) together with National Water Resources Committee (NWRC), Organisation for Economic Co-operation and Development (OECD) and United Nations Educational, Scientific and Cultural Organization (UNESCO) convene the session on 'Better Governance : Inclusive Approach through good practices on water governance and IWRM' on 13:30-15:00, 11 December, 2017 in Yangon, Myanmar as one of the thematic sessions of the 3<sup>rd</sup> Asia-Pacific Water Summit (3APWS). The session explores Asian Water Governance which fits with Asian conditions and assist achieve SDGs 6, especially 6.5 and practical actions on Water Governance in the field by consideration of 'OECD Principles on Water Governance' through the discussions.

### **II. Expected outcome**

Recommendations and commitment with 3 key messages will be agreed aiming to boost implementation of practical actions on Water Governance in the field and contribute to 'Yangon Statement' which is a summary document of the 3APWS. It will be also delivered to the 8<sup>th</sup> World Water Forum as one of the voices of Asia-Pacific region. "IWRM Guidelines for Practitioners (Provisional title)" with good practices which applied appropriate and applicable approach will be released later day as a concrete action to substantiate what was agreed at the session. More discussions and opportunities of peer-review about the proposed guideline will be held as a 'Follow-up workshop' on 13 December, 2017 in Yangon, Myanmar.

### III. Program

The session is co-chaired by the Chairperson of NARBO and the Secretary of NWRC. Following the presentations by the speakers from Asian countries and International organizations, plenary discussion with question and answer for identifying recommendations with 3 key messages will be summarized by the moderator. To follow-up the discussions to create concrete achievement as “IWRM Guidelines for Practitioners”, ‘Follow-up Workshop’ will be held on 13 December, 2017.

#### 1. Session on ‘Better Governance’

11 December 2017 13:30-15:00, GRANDBALL ROOM, Sedona Hotel, Yangon, Myanmar

Time	Contents
13:30-13:40	Opening & Welcome by NARBO, UNESCO and NWRC
13:40-14:40	Presentations (Topic Provide) Approximately 10 delegations from Asian countries and International Organizations
14:40-14:55	Plenary Discussion
14:55-15:00	Closing

#### 2. Follow-up workshop on ‘Better Governance’

13 December 2017, Yangon, Myanmar

Time	Contents
07:45-08:15	Registration at Sedona Hotel
08:15-12:00	Excursion to Field (Thilawa Special Economic Zone)
12:00-14:30	Luncheon Workshop
14:30-16:30	Back to Sedona Hotel after excursion in Yangon

\* Schedule of the Field Visit and program of the workshop are subject to be changed.

\* Capacity of the Field Visit will be 60 participants. Registration procedure will be announced soon.

### IV. Contact Person

#### Tadashige KAWASAKI (Mr.)

Secretariat, Network of Asian River Basin Organizations (NARBO)

Deputy, Director, International Affairs Division, Japan Water Agency (JWA)

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## **Water and Disasters in the Context of Climate Change - From the Mountains to the Islands -**

### **1. Objective and expected outcome of the session**

Asia-Pacific countries are closely related through water and its many phenomena. Water supports Asia-Pacific lives and livelihoods, aquatic and terrestrial ecosystems, and the economic benefits of agriculture, fisheries, industry, transportation and commerce. The interaction of water through atmosphere, land and ocean nurtures and enriches society and culture, and supports our region's continuing development.

Water also brings hazards, experienced through extreme events such as drought and floods (including tidal surges in the coastal areas and glacial lake outburst floods in the Hindu Kush Himalayas). These hazards are exacerbated by climate change, inflicting increasing human and economic impacts from our mountains through to our coasts and small islands. Climate change impacts are compounded by the effect of sea level rise on our region's coastal communities, posing an existential threat to low-lying Pacific Island Countries due to coastal inundation and impacted water resources.

The commonality and inter-connection of our region's water issues opens the opportunities for a holistic approach to be applied, from the region's mountains to its islands. Such an approach is only possible through effective sharing and collaboration on data collection and analysis, knowledge development, policy-making and the application of successful action on the ground.

This session presents a unique platform for high-level leaders of Asia-Pacific States to meet together in an inclusive way to: discuss water-related disaster and environmental risks intensified by climate change; explore common challenges and their solutions; and collaborate on the development of effective frameworks for action.

It is expected that the session's dialogue will reinforce the regional partnership and promote concrete actions towards three major accords: the Sendai Framework for Disaster Risk Reduction 2015-2030 (Sendai Framework) the Sustainable Development Goals (SDGs) and the Paris Agreement on Climate Change (Paris Agreement), and the United Nations International Decade (2018-2028) for Action – Water for Sustainable Development, mainly focusing on water and disasters, and will contribute to the Asia-Pacific Water Summit Yangon Statement.

### **2. Session summary**

The Asia-Pacific region is especially vulnerable to water-related disasters, however by collaborating to better understand the geo-meteorological and socio-economic drivers or water-related disaster risks, the region can build an effective platform to reduce risk, mitigate damage and effectively “build back better”.

### **3. Program (tentative)**

Date: Monday, December 11, 2017 (Day 1)

Venue: MINDON ROOM, 2<sup>nd</sup> Floor, SEDONA HOTEL, YANGON

[PART 1] Keynote speeches by the world's high-level leaders in water and disasters

Moderator: Dr. David Molden, Director General, ICIMOD

13:30-13:35 Briefing by Moderator

13:35-14:15 Keynote Speeches (10 minutes \*4)

- H. E. Dr. José Ramos-Horta, Minister of State and Counsellor for National Security of the democratic Republic of Timor-Leste
- H.E. Dr. Ir. M. Basuki Hadimoeljono, Minister of Public Works and Housing, Indonesia
- H. E. Mr. Keiichi Ishii, Minister of Land, Infrastructure, Transport and Tourism, Japan
- Dr. Swarnim Wagle, Vice Chair of Nepal Planning Commission, Nepal

14:15-14:20 Summary and closing by Moderator

[PART 2] Presentations on water-related disaster and environmental issues in the context of climate change, focusing on science, governance, implementation and capacity

Moderator: SPC

14:30-15:50 Presentations from Asia-Pacific countries (8~10 minutes \* 8 countries)

- Myanmar:
  - Dr. Kyaw Moe Oo, Director General, Department of Meteorology and Hydrology, Ministry of Transport and Communications
  - U Kyaw Myint Hlaing, Director General, Irrigation and Water Utilization Management Department, Ministry of Agriculture, Livestock and Irrigation
  - Dr. Ko Ko Naing, Director General, Relief and Resettlement Department, Ministry of Social Welfare, Relief and Resettlement
  - U Ko Ko Oo, Deputy Director General, Directorate of Water Resources and Improvement of River Systems, Ministry of Transport and Communications
- Bhutan: Ms. Tenzin Wangmo, Chief Environment Officer, National Environment Commission
- Indonesia: Mr. Imam Santoso, Director General, Directorate of Water Resources, Ministry of Public Works and Housing
- Japan: Dr. Akiyuki Kawasaki, Project Associate Professor, Department of Civil Engineering, The University of Tokyo
- Korea: Dr. Hong Ilpyo, Researcher Fellow, Korea Institute of Civil Engineering and Building Technology
- Pakistan: Mr. Ahmed Kamal, Chief Engineering Adviser / Chairman, Federal Flood Commission
- Sri Lanka: Mr. Wasantha Bandara Palugaswewa, Director of Irrigation (Water Management & Training), Irrigation Department
- Pacific Island country

[PART 3] Panel Discussion focusing on the water problems from the mountain to the island responding to the points raised by Part 1 and Part 2 for making systematic outputs to input to the Yangon Statement

Co-Chair:

Dr. Kyaw Moe Oo, Director General, Department of Meteorology and Hydrology, Ministry of Transport and Communications

Prof. Toshio Koike, Director, International Centre for Water Hazard and Risk Management, Public Works Research Institute

16:00-16:10 Briefing by Co-Chair

16:10-16:55 Statement by Panelists and Floor Discussion

- ICIMOD (Dr. Mandira Shrestha)
- SPC (Mr. David Hebblethwaite)
- UNESCO-Jakarta (Dr. Hans Thulstrup)
- GRIPS (Vice President, Prof. Atsushi Sunami)

16:55-17:00 Closing by Co-Chair

#### 4. Contact persons

- ICHARM Dr. Tetsuya Ikeda [te-ikeda@pwri.go.jp](mailto:te-ikeda@pwri.go.jp)
- ICIMOD Dr. Mandira Singh Shrestha [mandira.shrestha@icimod.org](mailto:mandira.shrestha@icimod.org)
- SPC Mr. David Hebblethwaite [DaveH@spc.int](mailto:DaveH@spc.int)

## **3<sup>rd</sup> Asia-Pacific Water Summit (3<sup>rd</sup> APWS)**

### **Session Proposal: Water, Energy, Food and Ecosystems**

**11 December 2017, 3:30pm to 5:00pm**

#### **Short Summary:**

Water, energy, land and ecosystems are essential for satisfying basic human needs and development. Access to these resources and their sustainable management are the basis for smart, equitable and sustainable development.<sup>1</sup>

Sector policies regarding water, energy, land and ecosystems have deep and consequential relationships. Policies from one sector often entail consequences – externalities – for the other three sectors, be on a local, national, regional or global scale.

With the world population predicted to reach 9.6 billion people by 2050, with 8.3 billion people living in developing countries.<sup>2</sup> There is a recognition that the nexus relationships will add to current pressures on water, energy, food and ecosystems. At a base, we will be required to increase food production by 60% during the next 40 years in order to feed the growing world population.<sup>1</sup>

Meanwhile, there is little room for increasing the amount of irrigated water against competitive water demands (OECD Environmental Outlook 2050 (2012)).<sup>3</sup> In addition, the risk of natural disasters such as climate change, extreme weather events, drought and flooding is increasing. Subsequently, the uncertainties of food production/supply are increasing.

The objective of this session is to contribute to the development of the agricultural sector in the Asia-Pacific region through discussing measures to better manage and further promote awareness of the relationships between water, energy, food and ecosystems.

#### **Key Messages:**

- Achieve food security and promote sustainable agriculture through secure and equal access to agricultural water, farm land and other productive resources
- Ensure sustainable food production systems and implement resilient agricultural practices that increase productivity and production, that help maintain ecosystems, that strengthen capacity for adaptation to climate change, extreme weather, drought, flooding and other disasters
- Increase water-use efficiency with supporting and strengthening the participation of local communities in agricultural water management
- Ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands

*Contact persons: Louise Whiting (FAO): [Louise.Whiting@fao.org](mailto:Louise.Whiting@fao.org)  
Hidefumi Murashita (MAFF): [h\\_murashita900@maff.go.jp](mailto:h_murashita900@maff.go.jp)*

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<sup>1</sup> DIE (2015). Post 2015: Why is the Water-Energy-Land Nexus Important for the Future Development Agenda? Found at: [https://sustainabledevelopment.un.org/content/documents/830Post-2015\\_DIE\\_BP%203.2013.pdf](https://sustainabledevelopment.un.org/content/documents/830Post-2015_DIE_BP%203.2013.pdf)

<sup>2</sup> World Population Prospects: The 2014 Revision (2015)

<sup>3</sup> OECD Environmental Outlook 2050 (2012)

## Water, Energy, Food and Ecosystems

### Detailed Session Program:

Interactive Panel Session		Time	Room Set Up
Short Intro	Dr. Alex Smaigl, Managing Director, MERFI	2 mins	7 Seat Panel Table at the Front of the room. Name Plates for: <ul style="list-style-type: none"><li>Alex Smaigl, Managing Director, MERFI</li><li>Dr. Khin NiNi, NWRC, Myanmar</li><li>David Molden, CEO, ICIMOD</li><li>U Tun Min Thein, MOEE</li><li>Dr. Toe Toe Aung (MONREC)</li><li>Mr. Akira Hashimoto, JIID</li><li>Daryl Fields, World Bank</li></ul>
Opening	Prof. Dr. Khin NiNi Thein (Mrs.) Secretary, Advisory Group, National Water Resources Committee (NWRC), Myanmar	5 mins	
Opening Presentations	1. ICIMOD: David Molden, CEO (7 mins) 2. U Tun Min Thein, Assistant Director, Ministry of Electricity and Energy (MOEE) (7 mins) 3. Dr. Toe Toe Aung, Assistant Director, Ministry of Natural Resources and Environmental Conservation (MONREC) (7 mins) 4. JIID: Mr. Akira Hashimoto, Research Leader (7 min) 5. World Bank: Daryl Fields, Senior Water Resources Specialist (7 mins)	35 mins	
	2 min break – Front panel table reconfiguration		
Panel Introduction	Dr. Alex Smaigl, Managing Director, MERFI	5 mins	7 Seat Panel Table at the Front of the room. Name Plates for: <ul style="list-style-type: none"><li>Dr. Alex Smaigl, MERFI</li><li>Dr. Zaw Lwin Tun, Director, MOALI</li><li>Mr. Hidefumi Murashita, MAFF</li><li>Louise Whiting, FAO</li><li>Dr. Choi, K Water</li><li>Ranil Senanayake, Chairman, Rainforest Rescue International</li><li>Mr. Mitsuo Ishijima, MAFF</li></ul>
Panelists	1. MOALI: Dr. Zaw Lwin Tun 2. MAFF: Mr. Hidefumi Murashita 3. FAO: Louise Whiting 4. K Water: Dr. Choi 5. RRI: Ranil Senanayake	50 mins	
Closing Remarks	Mr. Mitsuo Ishijima, Director, Overseas Land Improvement Cooperation Office, Rural Development Bureau, MAFF, Japan	5 mins	



## IMPROVING SANITATION & WASTEWATER MANAGEMENT

– Preparatory Event for the 8<sup>th</sup> World Water Forum –

Session organized by: Japan Sanitation Consortium (JSC)

Co-organized by: Ministry of Land, Infrastructure, Transport and Tourism (MLIT); Japan  
Ministry of the Environment (MOE); Japan

**MONDAY 11 DECEMBER 2017 • 15.30 – 17.00**

**Yangon, Myanmar • Sedona Hotel**

The Asia-Pacific region has problems related to both sanitation and wastewater management. On the one hand, there is a large proportion of its population without access to basic sanitation, particularly in rural areas, but, for some countries, this problem is not limited to rural areas but can also be found in some parts of urban areas. On the other hand, the pollution of the water environment is worsening in the rivers, lakes and coastal waters of a great majority of countries, which is particularly threatening the sustainable and healthy development of their urban economy.

The session will review the current situation of sanitation and wastewater management in the Asia-Pacific region and highlight the challenges faced in both urban and rural contexts by introducing concrete examples of how administrations, utilities and operators, civil society organizations are responding to the challenges in the following areas:

1. Institutional framework for sewerage systems
2. Urban sewerage system development
3. PPP introduction for urban wastewater management, including septage management
4. Rural sanitation, particularly behavior change
5. Securing human resources for sanitation and wastewater management for both off-site and on-site sanitation

It is expected that the importance of mainstreaming wastewater management in the development agenda together with continuous efforts for sanitation improvement, through initiatives such as the establishment of the Asia Wastewater Management Partnership (AWaP), will be discussed and agreed in the session.

The results of the session will be reported for the Asia-Pacific Regional Process of the 8<sup>th</sup> World Water Forum.



## PROGRAM

**Session Chairs:** - Prof. Dr. Satoshi Takizawa - The University of Tokyo; Japan  
 - Mr. U Ko Ko Lwin - Permanent Secretary; Ministry of Industry; Myanmar

- 1. 15:30-15:35 (5 minutes) – Opening Remarks**  
 ► Mr. Keiichi Ishii - Minister of Land, Infrastructure, Transport and Tourism (MLIT); Japan
  
- 2. 15:35-15:45 (5-10 minutes) – Keynote Speech**  
 ► Dr. Maximus Johnity Ongkili - Minister of Energy, Green Technology and Water (KeTTHA); Malaysia
  
- 3. 15:45-15:55 (10 minutes) – Sanitation and Wastewater Management in Myanmar (tentative)**  
 ► Dr. Aung Myint – Director; Ministry of Industry; Myanmar
  
- 4. 15:55-16:05 (10 minutes) – Institutional Framework for Sewerage Systems in Japan**  
 ► Dr. Seiichiro Okamoto - Director for Watershed Management; Ministry of Land, Infrastructure, Transport and Tourism (MLIT); Japan
  
- 5. 16:05-16:15 (10 minutes) – Implementation of the Water Environment Improvement Project, Tau Hu – Ben Nghe – Doi – Te Canal**  
 ► Mr. Tran Huu Quoc Vi - Deputy Director; Water Environment Improvement Project 1 Division, HCMC Urban – Civil Works Construction Investment Management Authority – UCCI; Vietnam
  
- 6. 16:15-16:25 (10 minutes) – Expansion of Used Water Services under a Public Private Partnership (PPP) Agreement in Metro Manila**  
 ► Mr. Mark Mulingbayan - Head of Sustainability; Corporate Operations Group; Manila Water Company, Inc.; Philippines
  
- 7. 16:25-16:35 (10 minutes) – Quality at Scales – Rural Sanitation in India; Some Learnings**  
 ► Mr. VK Madhavan - Chief Executive; WaterAid India
  
- 8. 16:35-16:45 (10 minutes) – Human Resource Development for Improving Sanitation and Wastewater Management**  
 ► Mr. Kazushi Hashimoto – Advisor: Japan Sanitation Consortium (JSC)
  
- 9. 16:45-16:55 (10-15 minutes) – Panel Discussion**  
 ► Panelists *(in addition to the speakers)*:
  - Mr. Yasumasa Watanabe – Director; Water Environment Division; Environmental Management Bureau; Ministry of the Environment (MOE); Japan
  - Mr. Takayuki Matsuda – Director; Office for Promotion of Johkasou; Waste Management Division; Environmental Regeneration and Material Cycles Bureau; MOE; Japan
  - Mr. U Thein Min - Deputy Head of Department; Yangon City Development Committee (YCDC); Myanmar
  - Mr. Fany Wedahuditam - Regional Coordinator; Global Water Partnership-Southeast Asia
  - Mr. Mitsuo Kitagawa - Senior Advisor for Water and Water Pollution Control; Global Environment Department; Japan International Cooperation Agency (JICA)
  
- 10. 16:55-17:00 (5 minutes) – Chairs' Summary**

# Roles of Women and Youth in Water Security and SDGs

**MONDAY, 11 DECEMBER 2017, 15:30 – 17:00**

25 years after the Rio-Dublin Principles for IWRM have been adopted at the United Nations Conference on Environment and Development (UNCED, 1992) in Rio de Janeiro, Brazil, there is still limited progress in translating the principles of inclusive and participatory water governance into effective action on the ground. At the same time, hundreds of millions of dollars invested in physical infrastructure are effectively wasted because provisions do not reach the intended beneficiaries and/or are not adequately maintained.

Objectives of this session are to bring to the fore the role of women and youth in sustainable water use and governance, to make steps forward in cooperation on inclusive water governance and gender sensitive approaches in the region and to prepare key messages as input to the 8<sup>th</sup> World Water Forum, the outcome document of the High-Level Panel on Water and the upcoming Water for Sustainable Development Decade.

<b>Lead Organizer</b>	<b>Water Mothers Myanmar: Prof. Dr. Khin Ni Ni Thein</b>
<b>Co-Lead Organizer</b>	<ul style="list-style-type: none"> <li>- International Water Management Institute (IWMI)</li> </ul>
<b>Organizer</b>	<ul style="list-style-type: none"> <li>- Citizen's Forum Commission of World Water Forum 8 (WWF8)</li> <li>- Global Water Partnership</li> <li>- Korean Water Forum and World Youth Parliament for Water (Asia Chapter)</li> </ul>
<b>Chairs</b>	<ul style="list-style-type: none"> <li>- Dr. Anna Sui Hluan, Patron of Water Mothers</li> <li>- Dr. Claudia Sadoff, Executive Director of IWMI</li> </ul>
<b>Moderator</b>	- Drs. Alice Bouman-Dentener, Member of the Citizen's Forum Commission of WWF8



## Program

15:30 -15:35	<b>Welcome and introduction of the Speakers</b> Dr. Anna Sui Hluan, Chair <b>Keynote speech</b>
15:35-15:45	<b>Building a framework for inclusive water governance in Myanmar</b> Prof. Dr. Khin Ni Ni Thein, Secretary, Advisory Group, and Member, National Water Resources Committee, Myanmar <b>Presentations</b>
15:45-15:50	<b>Think globally, act locally: linking local action to the implementation of SDG6 and the International Decade for Action “Water for Sustainable Development”</b> Ms. Salamatu Garba, Steering Committee Member, Women for Water Partnership, and Coordinator on Participatory Water Governance, Citizen’s Forum of WWF8
15:50-15:55	<b>Developing a Women for Water approach in Central Asia</b> Dr. Barbara Janusz-Pawletta, Member, Technical Committee, Global Water Partnership, and UNESCO Chair Holder in Water Management in Central Asia, Kazakh-German University
15:55-16:00	<b>Role of youth in achieving water security and SDGs</b> Ms. Asma Bachikh, President, World Youth Parliament for Water
16:00-16:05	<b>AIRBM project: a springboard for Women and Youth participation in creating good water governance</b> Ms. Aye Chan Myint, Young Water Professional and Acting Coordinator, AG
16:05-16:10	<b>The role of youth in Asia-Pacific water affairs</b> Dr. Jaeheung Yoon, Secretary General, Korea Water Forum
16:10-16:15	<b>Linking civil society to the WASH sector</b> Ms. Melita Grant, Research Principal at the Institute for Sustainable Futures, University of Technology of Sydney (ISF-UTS)
16:15 -16:20	<b>Capacity Development for Effective Institutional Reform</b> Dr. Dipak Gyawali, Former Minister of Water Resources, Nepal
16:20-16:50	<b>Panel Discussion</b> Drs. Alice Bouman-Dentener, Moderator
16:50-17:00	<b>Conclusions and wrap-up</b> Dr. Claudia Sadoff, Co-Chair



## Financing Implementation of the Water-Related Sustainable Development Goals (SDGs)

09:00-11:00 hrs., 12 December 2017, Yangon, Myanmar

Financing resilient water infrastructure and services directly contributes to the implementation of the 2030 Agenda and impacts attainment of a number of SDG targets. According to Asian Development Bank (2017), however, only 10 percent of water and sanitation infrastructure needs are currently being met in Asia and the Pacific region. The region is experiencing an enormous pressure on water resources due to the highly growing demand in agriculture and other sectors, low efficiency of water consumption, increased urbanization trends, as well as impacts of climate change.

This session will focus on policy and actions, and in defining strategic framework to attain the SDGs by improving the financial sustainability and resilience of water systems and infrastructure, and the need to strategically mobilize public resources and augment opportunities for private investment.

Given the diversity of the countries in the region, this session is intended to discuss options, will highlight rich experiences of policy makers, recognizing that some countries have more developed financial systems and are financing resilient water and sanitation utilities.

The session will identify common approaches that should provide guidance towards solutions for improving the overall sustainability of the water sector. The discussions will cover the following potential areas of regional interventions:



- (i) improving the planning and implementation processes by creating an overall strategy and scenarios to address inter-sectoral issues with cross-thematic interventions by enhancing the sustainable business models of water infrastructure;
- (ii) bringing in commercial lenders and, where possible, the private sector as participants to help attain water-related SDGs and in implementing impactful investments from public and private sources; and
- (iii) creating funding and oversight programs and policy frameworks for incentivizing decentralized water management financing system and collaborative partnerships.



## Tentative Programme

### **Opening Remarks** (09:00-09:10 hrs.)

- ESCAP representative (5 min)
- Government of Myanmar (5 min)

**Moderator:** Ms. Changhua Wu, Asia Pacific Water Forum, Governing Council Vice-Chair (Beijing)

Key note address (15 min) and key messages of the regional discussion paper on: “Financing the Implementation of the Water SDGs”, by Mr. Aldo Baietti, regional consultant, 8th WWF Secretariat (tbc)

### **Speakers:** (09:25-10:45 hrs)

- H.E. Dr. Amy Khor, Senior Minister of State, Ministry of Environment & Water Resources, Singapore (7min)
- H.E. Mr. Lim Kean Hor, Minister of Water Resources and Meteorology, Chairman, Cambodia National Mekong Committee, Kingdom of Cambodia (7min)
- Mr. Jae Heyon Park, Assistant Minister, Ministry of Land, Infrastructure and Transport, Republic of Korea (2min) and Mr. Sangwoo Park, Deputy Director, Water Resources Industry Team, Ministry of Land, Infrastructure and Transport, Republic of Korea (5min)
- Mr. Tomoyuki Okada, Director for International Coordination of River Engineering River Planning Division, Water and Disaster Management Bureau Ministry of Land, Infrastructure, Transport and Tourism (MLIT), Japan. (7 min)
- Mr. Greg Browder, Global Lead: Water Security & Water Resources Management, World Bank (7min)
- Mr. Tom Panella, Chief of Water Sector Group, Sustainable Development and Climate Change Department, Asian Development Bank (7min)

### **Discussants:**

- Professor Le Huu Ti, Danang University, Vietnam (5min)
- Professor Eduardo Araral, Vice-Dean, Research, Co-Director, Institute of Water Policy and Associate Professor of Lee Kuan Yew School of Public Policy, National University of Singapore, Singapore (5min)
- Dr. Apichai Sunchindakh, Independent Development Expert or Development Specialist, Thailand (former representative of ASEAN Foundation)-(5 min)
- Business Sector (5min, tbd)

### **Wrap up and Closing Remarks**

- Moderator: Ms. Changhua Wu, APWF GC Vice-Chair
- Mr. U Htun Lwin Oo, Secretary, National Water Resource Committee, Director General, Directorate of Water Resources & Improvement of River Systems, Ministry of Transport & Communications, Myanmar

### **Contact persons:**

- Dr. Wah Wah Maung, [wmaung@gmail.com](mailto:wmaung@gmail.com), Director General, Ministry of Planning and Finance, Myanmar
- Dr. Aida Karazhanova, [karazhanova@un.org](mailto:karazhanova@un.org), United Nations Economic and Social Commission for Asia and the Pacific, Environment and Development Division (Thailand)

### 3rd Asia Pacific Water Summit Parallel Session N. 9



Global Water  
Partnership

ICIMOD

#### **Working Together: Multi Stakeholder Partnerships (MSPs) for Regional Cooperation**

**Yangon, Myanmar  
Tuesday 12 December, 09:00-11.00**

Water is about people and institutions. The way they interact will determine decisions and investments that influence development and impact on the environment.



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The 2030 Agenda for Sustainable Development – together with the Paris Agreement on Climate Change and the Sendai Framework for Disaster Risk Reduction, provide a renewed framework for development cooperation. MSPs are recognized as crucial to leverage the inter-linkages between the Sustainable Development Goals to enhance their effectiveness and impact.

The Asia Pacific region has been experiencing impacts of climate change such as frequent floods, cyclones, droughts, water scarcity, landslides, and other disasters. Regional cooperation through river basin management and economic integration mechanisms is increasingly being sought.

These issues can be addressed through multi stakeholder partnerships and effective cooperation at the local to national and international level and by consolidating, analysing and sharing of knowledge on

climate, disasters, economic development, networking and building partnerships.

The objective of the session is to share successful examples of MSPs and their impacts on regional cooperation in the Asia Pacific region to address common challenges.

The session will also highlight good examples of transboundary data/knowledge sharing, transboundary river water sharing, flood event information sharing, and regional networks established for regional cooperation where policy makers, experts, planners, and practitioners can exchange ideas.

Outcomes of the session are to contribute to better understanding of MSPs and their added value in the Asia-Pacific context; to recommend mainstreaming such approaches and strategies in national plans and policies; and to make concrete recommendations for the World Water Forum 8 political process.

*Programme on reverse side*



## Programme

**Chair: U Cho Cho, Chair of Advisory Group of National Water Resources Committee, Myanmar**

**Moderators: Dr. Yumiko Yasuda, GWP and Dr Aditi Mukherji, ICIMOD**

9:00 Opening Words from the Chair

9:10 Key Note 1 from **Dr David Molden, ICIMOD**

9:20 Key Note 2 from **Mr. Francois Brikké, GWP**

9:30 Introduction to the Panel by the Moderators

9:35 Transboundary 1: The case of Bhramaputra with **Dr Sucharita Sen, Saci Waters**

Transboundary 2: The case of Mekong River with **Dr Watt Botkosal,**

*Moderated discussion around key messages on MSP related to Transboundary Water*

10:05 Regional Scope 1: The case of the APWF with **Dr Ravi Narayanan, APWF**

Regional Scope 2: The case of the One Belt One Road Initiative with **Ms Yilin Ma, GWP China**

*Moderated discussion around key messages on MSP with Regional Scope*

10:35 Civil Society 1: The case of NWRC with **Dr U Hla Baw, MES**

Civil Society 2: The case of Myanmar MSP with **Dr Zaw Lwin Tun, MWP**

*Moderated discussion around key messages on MSP fostered by Civil Society*

10:55 Conclusion by the Chair

11:00 End of the Session

# Source-to-sea opportunities in the Asia-Pacific region



**12 December 2017, 9 am - 11 am • Sedona Hotel (11<sup>th</sup> floor), Yangon**

Co-organized by S2S Platform & FAO

**Background** | The Asia Pacific region hosts a large variety of source-to-sea contexts, from widespread, transboundary river basins, large countries composed of many islands, to small island developing states, and rich marine life in the Indian and Pacific Oceans. At the same time, millions of tons of plastic enter the ocean from land-based sources every year. Nutrient loads from agricultural runoff and inadequate wastewater treatment continue to cause eutrophication and spread of dead zones in coastal and marine waters. Flows of some rivers are so highly diverted that little water actually reaches the sea, robbing coastal ecosystems of the water, sediment and nutrients they need. Coasts and oceans represent enormous assets and opportunities for local and regional economy that are jeopardized by the pressures posed from activities upstream. To better realize blue economic opportunities, green investments in basins can help ensure that healthy coastal and marine systems can continue to catalyse economic development.

The importance of improving fresh- and marine water quality and reducing marine litter is recognized by several goals in the 2030 Agenda for Sustainable Development.

Efforts to achieve SDGs 6 and 14 have to be undertaken in collaboration with stakeholders from a wide range of sectors, many of which are operating far upstream from coasts and oceans. The freshwater community has an important role to play in designing efforts to achieve SDG 6 targets on freshwater in ways that contribute to the well-being of the oceans.

**Session purpose** | This event will present experiences from the Asia-Pacific region on how to instigate action among upstream actors to reduce land-based impacts on coastal and marine environments, drawing upon experiences of S2S Platform members and other key actors in the Asia-Pacific region.

The outcomes from the session will be brought to a high-level panel on source-to-sea management at the World Water Forum in Brazil, in 2018 and from there towards the High-Level Political Forum (HLPF) review of SDG 6.

The secretariat of The Action Platform for Source-to-Sea Management is hosted by the Stockholm International Water Institute (SIWI).

[www.siw.org/source-to-sea](http://www.siw.org/source-to-sea)



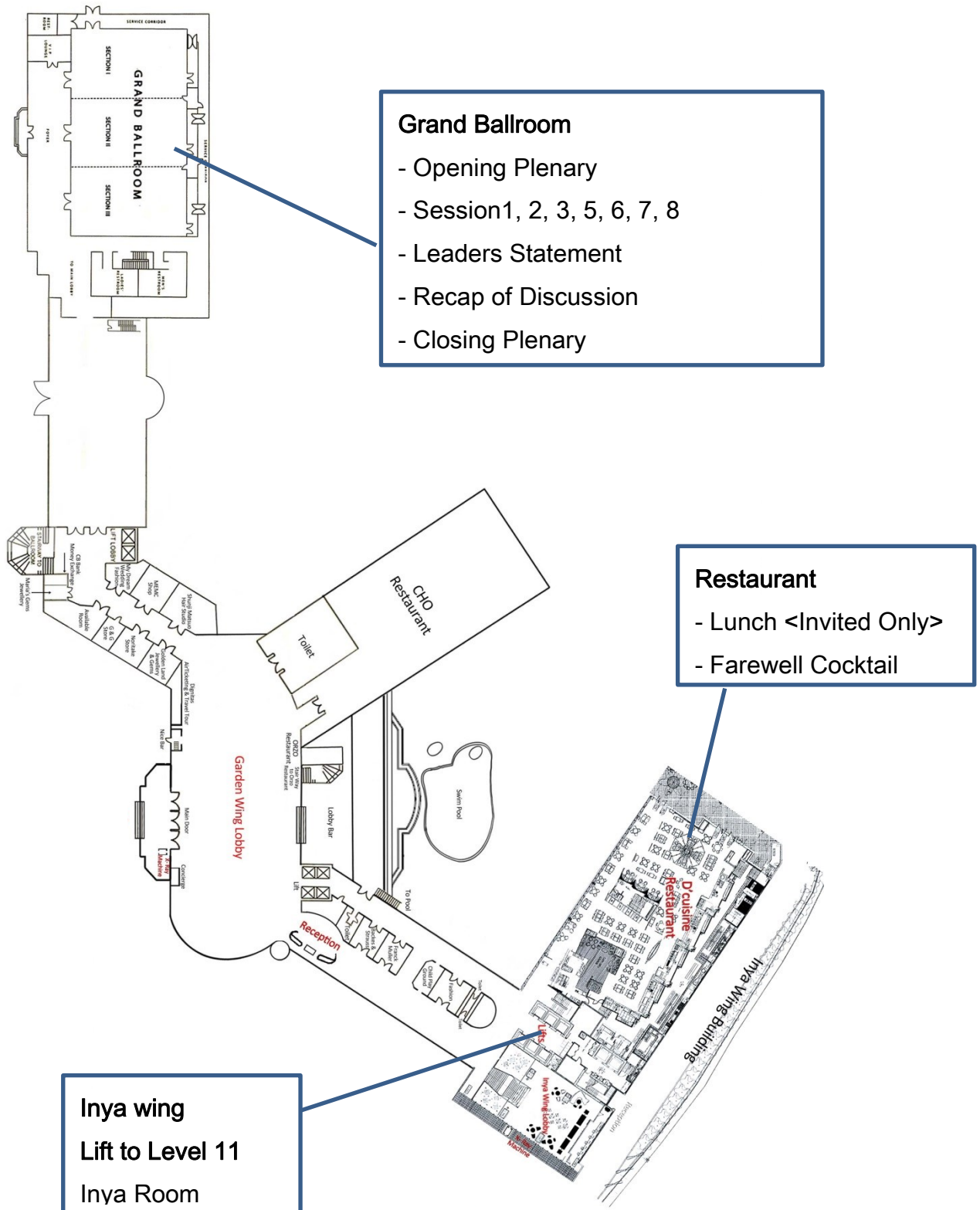
## Programme

- 9:00-9:05** Welcome by the session co-chair, **Torkil J. Clausen**  
Chair of the Action Platform for Source-to-Sea Management
- 9:05-9:10** Welcome by the session co-chair **Professor Charlie Than**  
Member of AG, National Water Resources Council, President, Myanmar Engineering Council, Rector(Rtd), Myanmar Maritime University
- 9:10-9:20** Keynote 1: **H.E. Dr. Siti Nurbaya Bakar**  
Minister of Environment and Forestry, Republic of Indonesia (to be confirmed)
- 9:20-9:30** Keynote 2: **Dr. Jakob Granit**  
Director General, Swedish Agency for Marine and Water Management (SwAM)
- 9:30-9:40** Keynote 3: **Ranil Senanayake**  
Systems Ecologist, Chairman, Rainforest Rescue International and Chairman, Rainforest Trust of Sri Lanka
- 9:40-10:50** Panel discussion  
Moderator: **Torkil J. Clausen**, Chair of the Action Platform for Source-to-Sea Management
- Panelists:
- Myanmar representative(s), to be determined
  - **Adrian Ross**, Executive Director, PEMSEA
  - **Louise Whiting**, Senior Water Management Expert, Food and Agriculture Organization
  - **Louise Herrmann**, First Secretary, the Swedish Embassy in Bangkok
  - **Christopher Cox**, Programme Officer, UNEP Global Programme of Action for the Protection of the Marine Environment from Land-based Activities (GPA)
  - **Dipak Gyawali**, Nepal Academy of Science and Technology
- 10:50-11:00** Closing remarks by the session co-chair, **Torkil J. Clausen**, Chair of the Action Platform for Source-to-Sea Management
- 11:00** End of session



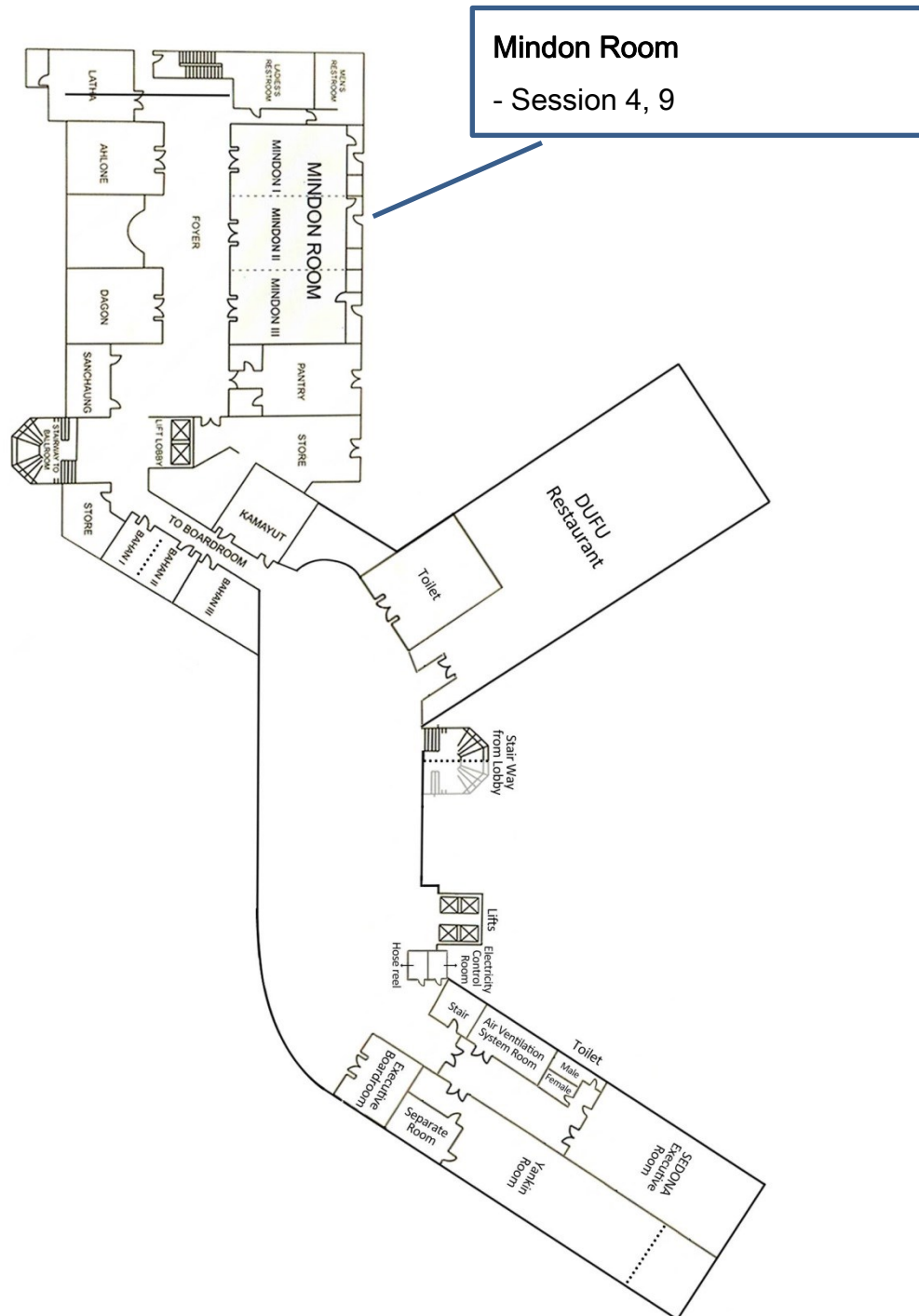
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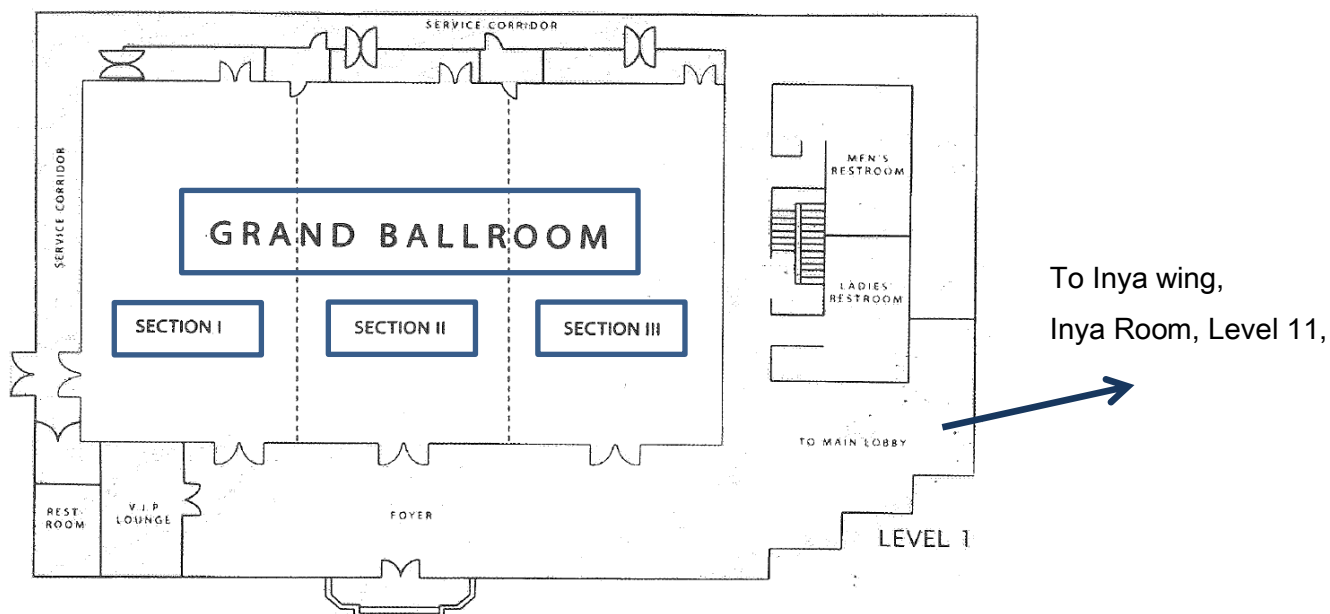
**Venue:** SEDONA Hotel Yangon, Level 1





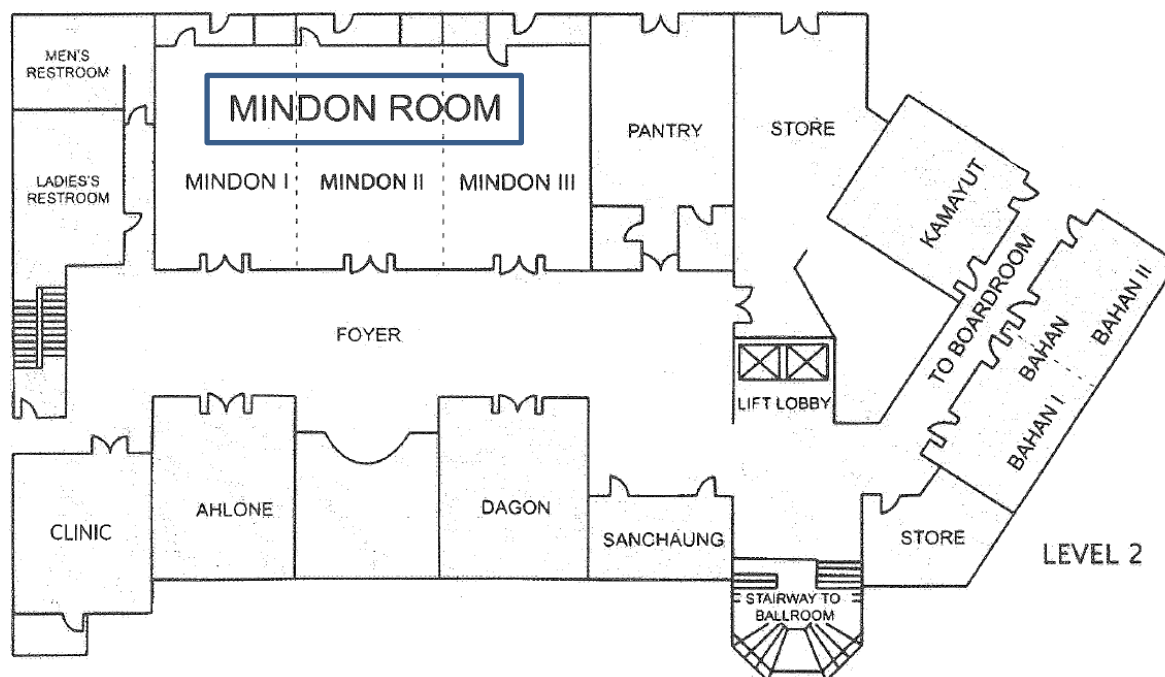
Venue: SEDONA Hotel Yangon, Level 2





**Grand Ballroom Time Table**

Day 1 ( 11th December )			
9:30-12:00	Opening Plenary		
	Section I	Section II	Section III
13:30-15:00	Session 1	Session 2	Session 3
15:30-17:00	Session 5	Session 6	Session 7
Day 2 ( 12th December )			
9:00-11:00	Session 8		
11:30-13:00	Leaders Statement		
14:00-16:00	Recap of Discussion Closing Plenary		



### Mindon Room Time Table

Day 1 ( 11th December )	
13:30-17:00	Session 4
Day 2 ( 12th December )	
9:00-11:00	Session 9

### Inya Room Time Table

Day 2 ( 12th December )	
9:00-11:00	Session 10

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