



**Thematic Session**  
**Korea International Water Week 2016**  
**(AIWW SCM)**  
At Daegu, Rep. of Korea  
On 19 – 21 October 2016



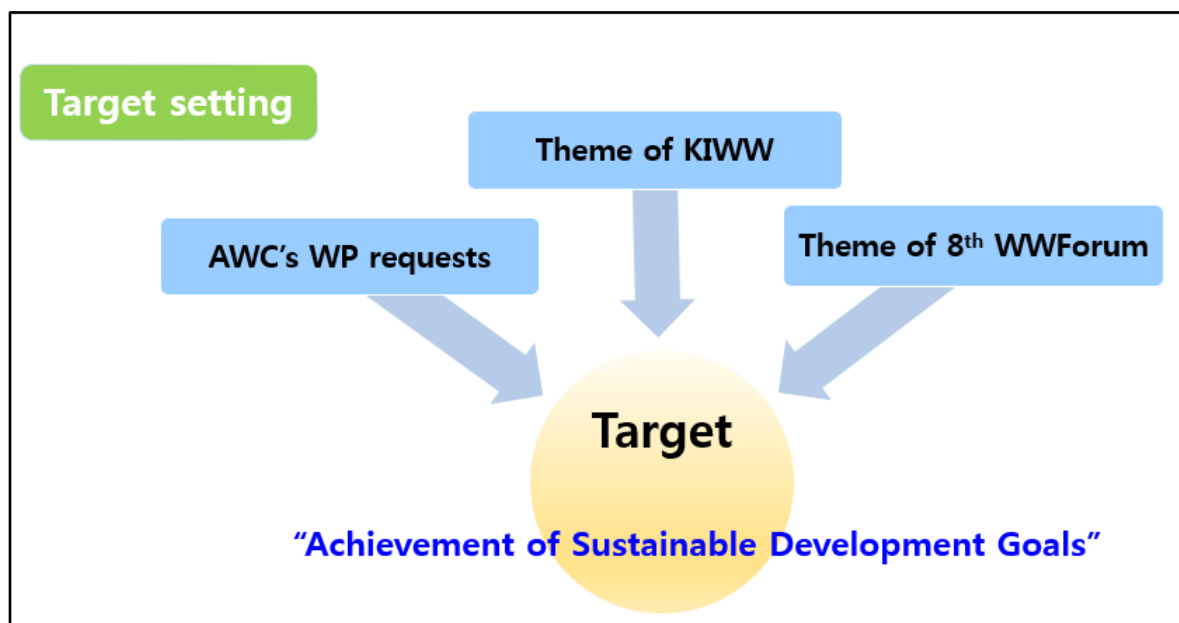
## Thematic Session of KIWW 2016

### Asia International Water Week Stakeholders' Consultation Meeting

- **Theme.** Achievement of Sustainable Growth
- **Date / Venue.** 19<sup>th</sup> – 21<sup>st</sup> October 2016 / EXCO, Daegu, Rep. of Korea
- **Description.** As Asia International Water Week (AIWW) Stakeholders Consultation Meeting (SCM) is an identical event to Thematic Sessions of Korea International Water Week (KIWW 2016), the theme of AIWW SCM is '**Achievement of Sustainable Development Goals**' to be in line with the overarching theme of KIWW 2016 '**Water Partnership for Sustainable Development**'.

#### Target

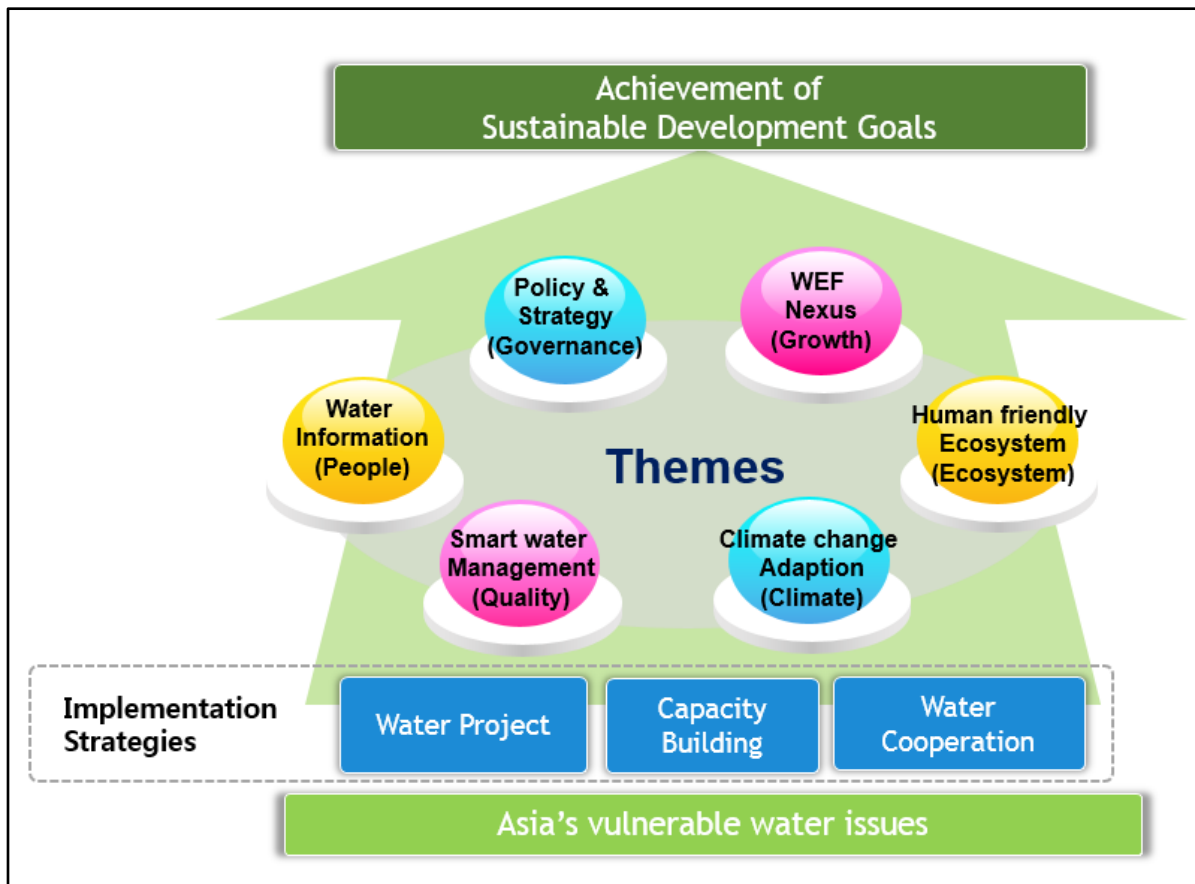
The Thematic Session of KIWW 2016 (AIWW SCM) which is organized by AWC is to reflect the status of the Water Projects that are requested from AWC members and to deliberately include the theme of KIWW 2016 '**Water Partnership for Sustainable Development**' as well as the main theme of the 8<sup>th</sup> World Water Forum '**Sharing Water and Sustainability**'. Asian region is vulnerable to various water issues such as flood, drought, water shortage and, water supply facilities deterioration. The Thematic Session in KIWW will propose a customized water policy and technical solution to the designated national water issues to address various water-related issues in Asia. Accordingly, the theme 'Achievement of Sustainable Development Goals' is established.



#### Framework

To attain the Theme '**Achievement of Sustainable Development Goals**', six sub-themes are selected considering the proposed water projects by AWC's members in accordance with the key words of the 8<sup>th</sup> World Water Forum.

- ① **Policy and strategies** for sustainable water management to apply in Asia's countries different situation with governance
- ② **Water-Energy-Food Nexus** which could make an additional big growth combined with different aspects of energy
- ③ **Smart Water Management** to be applied all countries by appropriated technologies depending on countries technology and environmental situation,
- ④ **Water Ecosystem** to develop healthy urban where people and water ecosystem coexistence,
- ⑤ **Climate Change** and Water Management which are including Asian water issues in terms of climate change and connected to Asia countries' water management,
- ⑥ **Water Information** beyond data and knowledge which is dealt with Asia Dynamic Hub for water.



It is also suggested that three practical strategies including Water Project, Capacity Building and Water-Aid are introduced to implement the six primary themes. The Strategies are to be implemented by ten issues which are identified through intensive discussions among water stakeholders in Asia. Accordingly, the Thematic Session is expected to address SDGs.

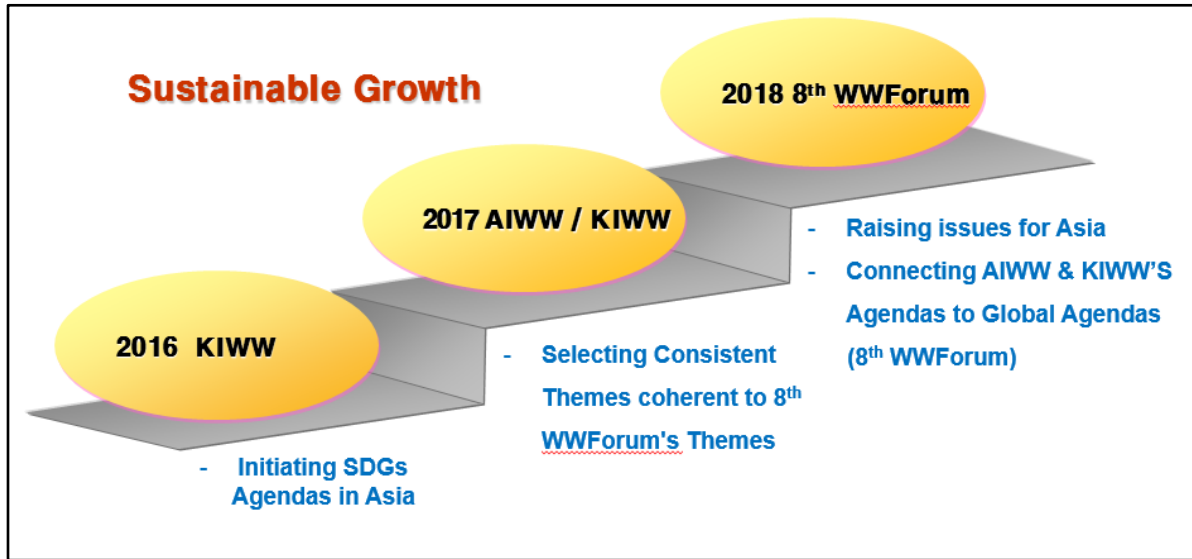
- ① **Water Projects** which were suggested by AWC's member countries and considered actual implementation for technical and financial solution for each water project.
- ② **Capacity Building** to show how to build the capacity to adapt and deal with water issues



- ③ **Water-Aid** to cover water cooperation program and the process for enhancement together.

**Progressive Development**

The outcomes of Thematic Session of KIWW 2016 will be reflected on the themes of KIWW and AIWW in 2017 to realize AWC’s vision to place Asia’s water issues at the first priority among global agendas. In this regard, the outcomes of KIWW and AIWW will be delivered to the 8<sup>th</sup> World Water Forum.



**Progressive Development**

Date	18 Oct. (Tue)	19 Oct. (Wed)	20 Oct. (Thu)	21 Oct. (Fri)
Venue	World Water Forum Pavilion in Andong	Exco, Daegu		
9-10			①	⑨ ⑩
10-11		KIWW Opening	②	Thematic Session Closing (AIWW SCM)
11-12			③	
12-13	-	-	-	-
13-14				⑤
14-15		Thematic Session Opening (AIWW SCM)	④	
15-16	3 <sup>rd</sup> BoC		⑥	
16-17			⑦	KIWW Closing
17-18			⑧	



## Themes

Themes	Organized by
① Sustainable Development Goals: Implementation and monitoring of the SDGs	AWC Secretariat
② Capacity Building: On-line & on-site convergence capacity building for global water issues	Education SC
③ Water Cooperation	Water-aid SC
④ Water-Energy-Food nexus for water security and SDGs Achievement in Asia	WEF Nexus SC
⑤ Examining the links between Integrated Water Resources Management and Smart Water Management	SWMI SC
⑥ Healthy urban where people and water ecosystem live together	Korea Environment Corp.
⑦ Climate change and water management	Korea Environment Corp.
⑧ Water information beyond data and knowledge: Asia Dynamic Hub for Water. The power of Information	KB&D SC
⑨ Water projects: opportunities, challenges, and synergies for implementing the SDGs	Standardization SC
⑩ Policy and strategies for sustainable water management: To share and discuss practical ways to realize better water governance and policy	Strategy & Policy SC



## AIWW Stakeholders Consultation Meeting Opening

### KIWW Thematic Session Opening

- **Topic:** Achievement of Sustainable Development Goals
- **Time/Date.** 14:00-16:00 / 19<sup>th</sup> Oct. 2016 (Wed)
- **Venue.** EXCO, Daegu, Rep. of Korea
- **Participants.** Board of Council members, Special Committee members and ordinary members of Asia Water Council, participants of Korea International Water Week.
- **Description.** AIWW Stakeholders Consultation Meeting Opening ‘**Achievement of Sustainable Development Goals**’ is aimed at collecting innovative ideas and knowledges from Asian water stakeholders. The first part of the session will be composed to promote AWC’s achievements and its progress followed by sharing concept for 2017 Asia International Water Week. In the second part, all participants will be divided by key themes for AIWW to discuss and identify the themes to be composed of main processes (**Thematic, Regional and Water Leaders**) by sharing their experts and opinions to achieve **Sustainable Development Goals**.
- **Program (Tentative)**

Time	Agenda	Speaker(TBD)
14:00-14:05 (5min)	<ul style="list-style-type: none"> <li>• Welcoming Speech</li> </ul>	President of Asia Water Council
14:05-14:20 (15min)	<ul style="list-style-type: none"> <li>• Congratulatory Remark</li> <li>• Encouragement Message</li> </ul>	Representative of BoC member Mayor of Daegu Metropolitan President of KWF
14:20-14:30 (10min)	<ul style="list-style-type: none"> <li>• Keynote How to achieve SDGs</li> </ul>	Vice President of ADB
14:30-14:40 (10min)	<ul style="list-style-type: none"> <li>• AWC’s achievements</li> <li>• How AIWW will be organized</li> </ul>	Secretary General of AWC
14:40-14:55 (15min)	<ul style="list-style-type: none"> <li>• How each Process of AIWW will be organized</li> </ul>	Co-Chair of Thematic Process Co-Chair of Regional Process Co-Chair of Political Process
14:55-15:45 (50min)	<ul style="list-style-type: none"> <li>• Each Process Discussion</li> </ul>	Moderator: Co-Chair of Thematic Process of AIWW with facilitators
15:45-15:55 (10min)	<ul style="list-style-type: none"> <li>• Wrap-up</li> </ul>	Vice President of AWC
15:55-16:00 (5min)	<ul style="list-style-type: none"> <li>• Closing Remark</li> </ul>	Representative of BoC member



## AIWW Stakeholders Consultation Meeting Closing

### KIWW Thematic Session Closing

- **Topic:** Achievement of Sustainable Development Goals
- **Time/Date.** 11:00-12:00 / 21<sup>st</sup> Oct. 2016 (Fri)
- **Venue.** EXCO, Daegu, Rep. of Korea
- **Participants.** Board of Council members, Special Committee members and ordinary members of Asia Water Council, participants of Korea International Water Week.
- **Description.** AIWW Stakeholders Consultation Meeting Closing ‘Achievement of Sustainable Development Goals’ is aimed to wrap up the thematic session discussions according to the expected outcomes which are previously given. The host of 2017 Asia International Water Week will announce to welcome you again in Oct. 2017.
- **Program (Tentative)**

Time	Agenda	Speaker(TBD)
14:00-14:05 (5min)	• Opening Speech	President of AWC
14:05-14:10 (5min)	• Gratitude Remark	Host of 2017 AIWW
14:10-14:55 (45min)	• Outcomes of Each Sessions	Each Chairperson of 10 Sessions
14:55-15:00 (5min)	• Closing Remark	Representative of BoC member



## Appendix #1. Session Proposals for Thematic Session of KIWW 2016

Event name	① Sustainable Development Goals: Implementation and monitoring of the SDGs	
Venue	Room A	
Date	20 October 2016 (Thu)	
Time	9:00 - 11:00	
Key word	Sustainable Development, Stakeholder, Implementation	
Organizer	Asia Water Council	Mr. Jinuk Lee
	jinuk@kwater.or.kr	+82-42-870-7571
Synopsis	<p>Amongst 17 goals for sustainable development, 'goal 6: Ensure availability and sustainable management of water and sanitation for all' is the major water related objective that will be pursued by relevant stakeholders across the regions.</p> <p>A number of plans and actions were designed by various stakeholders in water, but it is still not enough to be achieved the goals which are specified in six sub targets.</p> <p>As a leading thematic session of the 1st KIWW, this session has an objective to give participants a good ideas and real cases on implementing solutions on water challenges we have fought for a long time.</p> <p>This session is organized for the participants who seek for searching an opportunity to discuss on tangible action plans for SDG achievement on water. This session will provide a place to share implementation measures that have been used in different actors and sectors of water and offer the opportunity to raise awareness and plan our further steps for creating an action and follow-up measures.</p>	
Event highlight	<ul style="list-style-type: none"> <li>• SDG trend in business</li> <li>• SDG concept in projects of ADB</li> <li>• The Development of Low Impact Development</li> <li>• SDG activities in Asia Pacific Water Forum</li> </ul>	





Event name	① Sustainable Development Goals: Partnership and Implementation of the SDGs		
Date	Time	Contents	Note
20 <sup>th</sup> Oct.	09:00~09:05	<b>Opening/Welcome Address</b> <b>Keynote Speaker:</b> Prof. Apichart Anukularmphai, Thailand Water Resources Association	
	09:05~09:20	<b>Contents :</b> SDG trend in business <b>Speaker :</b> Dr. MyungJa Kim, Chairman, Korea Business Council for Sustainable Development(KBCSD), Korea	
	09:20~09:35	<b>Contents :</b> SDG concept in ADB projects <b>Speaker :</b> Dr. Gilhong Kim, Asia Development Bank	
	09:35~09:50	<b>Contents :</b> TBD <b>Speaker :</b> Prof. Mukand S. Babel, Asian Institute of Technology	
	10:05~10:15	<b>Contents :</b> SDG activities in Asia Pacific Water Forum(APWF) <b>Speaker :</b> Mr. Alain M. Tchadie, Director and Representative, UNESCO	
	10:15~10:	<b>Contents :</b> TBD <b>Speaker :</b> Dr. Ger Bergkamp (IWA)	
	10:~10:	<b>Panel Discussion</b> Moderator: TBD <b>Title:</b> SDGs in water resources management <b>Panelists:</b> <ul style="list-style-type: none"> <li>• Dr. MyungJa Kim, Chairman, Korea Business Council for Sustainable Development(KBCSD), Korea</li> <li>• Dr. Sung-Young Yoo, Ministry of Land, Infrastructure and Development, Korea</li> <li>• Mr. Zhiguang Liu Ministry of Water Resources, China</li> <li>• Dr. Ir. Fidraus Ali (MPWH, Indonesia)</li> <li>• Dr. Ger Bergkamp (IWA)</li> <li>• Mr. Lertviroj Kowattana Ministry of Agriculture and Cooperation, Thailand (TBD)</li> <li>• Dr. Gilhong Kim, Asia Development Bank</li> <li>• Ministry of Environment, Korea (TBD)</li> <li>• Asia Infrastructure Investment Bank (TBD)</li> </ul>	



	10:55~11:00	<b>Closing Remarks</b> TBD	
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Event name	② Capacity Building: On-line & On-site Convergence Capacity Building for Global Water Issues	
Venue	Room C	
Date	20 October 2016 (Thu)	
Time	10:00 ~ 12:00	
Key word	Education, Training, Tailored Program	
Organizer	K-water	Mr. Hyunsuk Kim
	zhyunsuk@kwater.or.kr	+82-42-870-7231
Synopsis	<p>Asia is facing serious threats due to its dense population and lack of sufficient water-related facilities. With that said, we realize that there is also a lack of adequate educational programs to effectively train water professionals in developing Asian countries.</p> <p>Therefore, we aim to provide customized and tailored programs to provide sufficient knowledge and training that will help build capacity of water professionals in developing countries. Furthermore, in order to enhance the accessibility to education and the effectiveness of the training, an integrated capacity building program consisting of both on-line and on-site education is suggested.</p> <p>In this regard, during this session, we will bring various experts related to water education and training to share ideas and experiences on successful educational programs for water professionals in Asia.</p>	
Event highlight	<ul style="list-style-type: none"> <li>• New Approach of Capacity Building Strategies to Resolve Global Water Issues</li> <li>• Case Study: On-line Water Education (Introducing e-Learning Portal &amp; on-line Waterworks Education Content)</li> <li>• Virtual Consulting and Leadership</li> </ul>	



Event name	② Capacity Building: On-line & On-site Convergence Capacity Building for Global Water Issues		
Date	Time	Contents	Note
20 <sup>th</sup> Oct.	10:00~10:05	<b>Opening/Welcome Address</b> <b>Keynote Speaker:</b> Prof. Shei-Yui Liong, NUS, Singapore	
	10:05~10:20	<b>Contents:</b> New Approach of Capacity Building Strategies to Resolve Global Water Issues <b>Speaker:</b> Dr. Hyoung Joon Koun, Executive Director of K-water Academy, K-water, Korea	
	10:20~10:35	<b>Contents:</b> Capacity building of Thailand's water sector as a response to climate change impact <b>Speaker:</b> Dr. Seree Supratid, CEO of PWA, Thailand	
	10:35~10:50	<b>Contents:</b> Sharing Legal Knowledge as a Capacity Building Tool <b>Speaker:</b> Prof. Mara Tignino, Geneva Univ., Switzerland	
	10:50~11:05	<b>Contents:</b> The Power of Capacity Building in Water Resources <b>Speaker:</b> Prof. Pierre Y. Julien, Colorado State Univ., USA	
	11:05~11:55	<b>Panel Discussion</b> Moderator: Prof. Shei-Yui Liong, NUS, Singapore <b>Title:</b> Effectively Building Capacity of Water Professionals in Asia to Resolve Asian Water Issues <b>Panelists:</b> <ul style="list-style-type: none"> <li>• Dr. Hyoung Joon Koun, K-water</li> <li>• Dr. Seree Supratid, PWA</li> <li>• Prof. Mara Tignino, Geneva Univ.</li> <li>• Prof. Pierre Julien, Colorado State Univ., USA</li> </ul>	
	11:55~12:00	<b>Closing Remarks</b> Prof. Shei-Yui Liong, NUS, Singapore	



Event name	③ Water Cooperation: Experiences and Strategies	
Venue	Room E	
Date	20 October 2016 (Thu)	
Time	10:00 ~ 12:00	
Key word	Water cooperation, Experience, Strategies	
Organizer	K-water	Dr. Younkwon Kim
	201commando@hanmail.net	042-870-7554
Synopsis	<p>Sustaining International cooperation is one of the most important thing in water problem solving. Developing countries in Asia area need a lot of help and support from other country, this is only possible with systematic strategies and implementation.</p> <p>In this session, we introduce water related cooperation project such as water supply to people and share best practice about tailor-made water purifier for developing countries.</p> <p>With panel discussion, we are supposed to talk about international water cooperation for water problem solving and sustainable water management.</p>	
Event highlight	<ul style="list-style-type: none"> <li>• Case study in water cooperation</li> <li>• Water purifier, tailor-made for developing country</li> <li>• International cooperation for water problem solving</li> </ul>	



Event name	③ Water Cooperations: Experiences and Strategies		
Date	Time	Contents	Note
20 <sup>th</sup> Oct.	10:00~10:05	<b>Opening/Welcome Address</b> <b>Keynote Speaker:</b> Dr. Young-II Song, Korea Environment Institute, Korea	
	10:05~10:20	<b>Contents :</b> Case study in Thailand <b>Speaker :</b> Dr. Somkiat Prajamwong, Deputy Director General, Royal Irrigation Department, Thailand	
	10:20~10:35	<b>Contents :</b> Project for water supply to people in Dashinchilling, Mongolia <b>Speaker:</b> Ms. Ja Yeong Ku. K-water, Korea	
	10:35~10:50	<b>Contents :</b> TBD <b>Speaker :</b> Dr. Federico Properzi, UN-water	
	10:50~11:05	<b>Contents :</b> Appropriate technology for a water purifier <b>Speaker :</b> Dr. Kwang-Taek Hwang, Korea Institute of Ceramic Engineering and Technology, Korea	
	11:05~11:55	<b>Panel Discussion</b> <b>Title : International cooperation for water problem solving and sustainable water management</b> <b>Moderator :</b> Dr. Mintchul Kim, Executive Director, Korea Rural Community Cooperation <b>Panelists:</b> <ul style="list-style-type: none"> <li>• Dr. Somkiat Prajamwong, RID</li> <li>• Dr. Federico Properzi, UN-Water</li> <li>• Dr. Suk-Joong Kang, Korea Institute of Ceramic Engineering and Technology</li> <li>• Dr. Soo-Myung Kim, Vice President, K-water</li> <li>• TBD, KOICA</li> </ul>	
	11:55~12:00	<b>Closing Remarks</b> Dr. Mintchul Kim, Executive Director, Korea Rural Community	



		Cooperation	
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Event name	④ Water-Energy-Food Nexus for Water Security and SDGs Achievement in Asia	
Venue	Room A	
Date	20 October 2016 (Thu)	
Time	13:00 ~ 15:40	
Key word	Water, Energy, Food, Growth	
Organizer	K-water	Dr. Sangyoung Park
	syPark119@kwater.or.kr	+82-42-870-7444
Synopsis	<p>During the session it is expected a broader discussion on the findings on issues related to water-energy-food nexus approaches for water security with all relevant stakeholders at all levels, including water users, planners, policy makers, and water professionals from Asian countries.</p> <p>There could be observed huge differentiation of natural, social and agrarian conditions, economic capacity among Asian countries, same as political strategies in field of water, energy and agricultural development. That created diversification of social and especially financial capacities of the Asian countries and some zones inside the countries, which not aloud actually to support and guarantee wellbeing of population in changing environment.</p>	
Event highlight	<ul style="list-style-type: none"> <li>• Concept note/Vision on Water-Energy-Food Nexus approaches for Water Security in Asia</li> <li>• Nexus Concept : the New Paradigm of Growth</li> <li>• Nexus approach and technology in Agriculture and irrigation sector</li> <li>• Progress of the Mongolian Water Project led by WEF Nexus SC</li> </ul>	





Event name	④ Water–Energy-Food Nexus for Water Security and SDGs Achievement in Asia		
Date	Time	Contents	Note
20 <sup>th</sup> Oct.	13:00~13:05	<b>Opening Remarks</b> <b>Keynote Speaker:</b> Mr. Alain M. Tchadie, Director and Representative, UNESCO	
	13:05~13:10	<b>Welcome Address</b> <b>Keynote Speaker:</b> Dr. Kee-Uk Cha, Vice President, K-water, Korea	
	13:10~13:25	<b>Contents :</b> Concept note/Vision on Water-Energy-Food Nexus approaches for Water Security in Asia <b>Speaker :</b> Prof. Seok Hwan JANG, Daejin University, Korea	
	13:25~13:40	<b>Contents :</b> Nexus Concept : the New Paradigm of Growth <b>Speaker :</b> Dr. Byung Man Choi, Project Manager of WEF Nexus Research, K-water, Korea	
	13:40~13:55	<b>Contents :</b> Nexus approach and technology in Agriculture and irrigation sector <b>Speaker :</b> Ms. Lucie PLUSHKE , FAO	
	13:55~14:10	<b>Contents :</b> Progress of the Mongolian Water Project led by WEF Nexus SC <b>Speaker :</b> Dr. Vadim SOKOLOV, Regional Coordinator, GWP CACENA	
	14:10~14:25	<b>Contents :</b> Case studies on energy technology transfer to developing countries <b>Speaker :</b> Dr. Ji-Hee Son (Green Technology Center)	
	14:25~14:40	<b>Contents:</b> TBD <b>Speaker:</b> KRC (TBD)	
	14:35~14:50	<b>MoU Signing Ceremony on Joint Research on WEF Nexus amongst K-water, FAO, UNESCO, GWP, KRC</b>	
	14:50~15:30	<b>Panel Discussion</b> <b>Title:</b> How better promote WEF Nexus approach as a tool for implementation towards water security and SDG in Asia? <b>Moderator:</b> Mr. Alain M. Tchadie, Director and Representative, UNESCO <b>Panelists:</b> <ul style="list-style-type: none"> <li>• Dr. Sangyoung PARK, K-water</li> <li>• Ms. In-Kyoung KIM, Daegu Metropolis</li> <li>• Dr. Tumrchudur Sodnom, Ministry of Environment, Green Development and Tourism, Mongolia</li> <li>• Mr. Young-Seok Baeg , LG Electronics</li> </ul>	



		<ul style="list-style-type: none"> <li>• Dr. Gilhong Kim (ADB)</li> <li>• TBD, China Institute of Water Resources and Hydropower Research</li> </ul>	
	15:30~15:35	<b>Concluding Remarks</b> Prof. Seok Hwan JANG, Daejin Univ.	
	15:35~15:40	<b>Closing Remarks</b> Dr. Shahbaz KHAN, Director and Representative, UNESCO	



Event name	⑤ Examining the links between Integrated Water Resources Management and Smart Water Management	
Venue	<i>Room B</i>	
Date	21 October 2016 (Thu)	
Time	14:00 ~ 16:00	
Key word	Smart water management, IWRM, ICT	
Organizer	K-water	Dr. Kwangsuop Lim
	oklim@kwater.or.kr	+82-42-870-7436
Synopsis	<p>Smart Water Management refers to the systematic and pervasive collection and use of data generated from water systems using ICT (Information Communication Technology), which enables greater internal and external integration and provides enhanced system control. Invited SWM experts will participate together to continue the debate and we will ask for feedback on the initial findings as well as inputs in terms of additional case studies of success and failures to integrate ICT into SWM strategies.</p>	
Event highlight	<ul style="list-style-type: none"> <li>• Smart water management case study</li> <li>• Water Challenges in Jabodetabek, Indonesia</li> <li>• Framework for assessing the stage of development in the SWM viewpoint</li> </ul>	



Event name	⑤ Examining the links between Integrated Water Resources Management and Smart Water Management		
Date	Time	Contents	Note
20 <sup>th</sup> Oct.	14:00~14:05	<b>Opening/Welcome Address</b> <b>Keynote Speaker:</b> Prof. Zhongjing Wang, Tsinghua Univ., China	
	14:05~14:20	<b>Contents:</b> SWM case study <b>Speaker:</b> Prof. Zhongjing Wang, Tsinghua Univ., China	
	14:20~14:35	<b>Contents:</b> Water challenges in Jabodetabek, Indonesia <b>Speaker:</b> Dr. Ir. Fidraus Ali, President, Indonesian Water Institute	
	14:35~14:50	<b>Contents:</b> Framework for assessing the stage of development in the SWM viewpoint <b>Speaker:</b> Prof. Boosik Kang, Dankook Univ., Korea	
	14:50~15:05	<b>Contents:</b> TBD <b>Speaker:</b> Dr. Kyung Taek Yum, Head, Smart Water Grid Research Group, Korea	
	15:05~15:55	<b>Panel Discussion</b> <b>Title: Examining the links between Water and Smart Water Management</b> <b>Moderator :</b> Dr. Callum Clench, IWRA & The Cape Partnership Ltd <b>Panelists:</b> <ul style="list-style-type: none"> <li>• Prof. Zhongjing Wang, Tsinghua Univ.,</li> <li>• Dr. Ir. Fidraus Ali, Indonesian Water Institute</li> <li>• Prof. Boosik Kang, Dankook Univ.</li> <li>• Dr. Kyung Taek Yum, Smart Water Grid Research Group</li> <li>• Dr. Juhwan Kim, K-water</li> </ul>	
	15:55~16:00	<b>Closing Remarks</b> Prof. Zhongjing Wang, Tsinghua Univ., China	



Event name	⑥ Healthy urban where people and water ecosystem live together	
Venue	Room C	
Date	20 October 2016 (Thu)	
Time	15:00 ~ 17:00	
Key word	Water ecosystem, Ecological river, Water cycle, LID	
Organizer	Korea Environment Corporation	Mr. Kwon, Hyok
	hk0308@keco.or.kr	+82-32-590-4491
Synopsis	<p>Rapid industrialization and urbanization with population growth are the global environment challenges that have been emerging for several decades. Half of world's population is already living in cities and it is projected to reach 70% by 2050.</p> <p>it is more likely to bring negative influence on aquatic ecosystem in terms of quality and quantity, and given the high spatial concentration of people and values in cities, small scale flood may lead to considerable damage.</p> <p>This session will focus on tendencies and methods of improving water cycle, strategies to enhance aquatic ecosystem management for human well-being and Low Impact Development.</p>	
Event highlight	<ul style="list-style-type: none"> <li>• Debates on recovery cases of water ecosystem</li> <li>• Presentation of strategies and examples for recovering urban water cycle(abroad)</li> </ul>	



Event name	<b>⑥ Healthy urban where people and water ecosystem live together</b>		
Date	Time	Contents	Note
20 Oct.	13:00-13:25	<p><b>Contents</b> : Recovery of water cycle and changes of ecosystem on urban area</p> <p><b>Speaker</b> : Dr. Kwon, Kyung-ho, Korean Society on Water Environment, Korea</p>	
	13:25-13:50	<p><b>Contents</b> : (TBD)</p> <p><b>Speaker</b> : Dr. Guppy Lisa, Project manager, UNU-INWEH, Canada</p>	
	13:50-14:15	<p><b>Contents</b> : River Management and Restoration in the UK and Europe</p> <p><b>Speaker</b> : Mr. Martin Janes, Managing Director, The River Restoration Center, UK</p>	
	14:15-14:40	<p><b>Contents</b> : Strategy of Restoring Aquatic Ecosystem Health through Causal Analysis and Diagnosis of Stresses</p> <p><b>Speaker</b>: Prof. LEE Sang woo, Konkuk Univ, KOREA</p>	
	14:40:- 15:00	<p><b>Panel Discussion</b></p> <p><b>Title</b> : Healthy City harmonizing human and Aquatic Ecosystem</p> <p><b>Moderator</b> : Prof. Hwang soon jin, Konkuk Univ, KOREA</p> <p><b>Panelists</b>:</p> <ul style="list-style-type: none"> <li>• Dr. Kwon, Kyung-ho, Korean Society on Water Environment, Korea</li> <li>• Dr. Guppy Lisa, Project manager, UNU-INWEH</li> <li>• Mr. Martin Janes, Managing Director, The River Restoration Center</li> <li>• Prof. LEE, Sang woo, Konkuk Univ.</li> </ul>	



Event name	⑦ Climate change and Water management	
Venue	Room D	
Date	20 October 2016 (Thu)	
Time	16:00 ~ 18:00	
Key word	Climate change, Stormwater, Drought, flood	
Organizer	Korea Environment Corporation	Mr. Han, Sangwon
	<a href="mailto:infernoh@keco.or.kr">infernoh@keco.or.kr</a>	+82-32-590-3773
Synopsis	<p>According to IPCC(Intergovernmental panel on Climate Change) technical report(VI) in 2008, Observed warming over several decades has been linked to changes in the large-scale hydrological cycle and both higher water temperature and changes in extremes, including floods and droughts, are projected to affect water pollution. In addition, Climate change affects the function and operation of existing water infrastructure including hydropower, structural flood defense etc. Current water management practices may not be robust enough to cope with the impacts of climate change on water supply reliability, flood risk, health, agriculture, energy and aquatic ecosystems. This workshop focuses on water management policy and technology responding climate change encouraging more engagement of stake-holders, experts and expertise.</p>	
Event highlight	<ul style="list-style-type: none"> <li>• Presentations on water policies, technologies and financing strategies for climate change on water management.</li> <li>• Introducing plan and practice of water management responding to climate change.</li> <li>• Discussion of evidence-based decision making on water policy and technology development responding climate change.</li> </ul>	



Event name Date	⑦ Climate Change and Water management		
	Time	Contents	Note
20 Oct.	15:00~15:10	<b>Contents :</b> Opening <b>Keynote Speaker:</b> Prof. Kyung-sik Choi, Associate Professor, Silla Univ., Korea	
	15:10~15:30	<b>Contents :</b> Challenges in the Drought Response Policy in Korea Posed By Climate Change <b>Speaker :</b> Dr. Hojeong Kim, Research Fellow, KEI, Korea	
	15:30~15:50	<b>Contents : (TBD)</b> <b>Speaker :</b> Mr. Benjamin Bahk, EPA	
	15:50~16:10	<b>Contents :</b> Public Private Partnership in Water Sector in the era of Climate Change <b>Speakers :</b> Prof. Wu Xun, Associate Director, Institute for Public Policy HKUST, Hong-Kong	
	16:10~16:30	<b>Contents : (TBD)</b> <b>Speakers :</b> Prof. Joon Ha Kim, Director, International Environmental Research Center GIST, Korea	
	16:30~17:00	<b>Panel Discussion</b> <b>Moderator :</b> Prof. Kyung-sik Choi, Associate Professor, Silla Univ., Korea <b>Panelists:</b> <ul style="list-style-type: none"> <li>• Dr. Hojeong Kim, KEI</li> <li>• Mr. Benjamin Bahk, EPA</li> <li>• Prof. Wu Xun, Institute for Public Policy HKUST</li> <li>• Prof. Joon Ha Kim, International Environmental Research Center GIST</li> </ul>	





Event name	⑧ Water information beyond data and knowledge: Asia Dynamic Hub for Water. The power of Information.	
Venue	Room A	
Date	20 October 2016 (Thu)	
Time	13:00 ~ 15:00	
Key word	Information, Database, Knowledge, Software	
Organizer	K-water	Mr. Sokmin Hong
	sm2010@kwater.or.kr	+82-42-629-4431
Synopsis	<p>This session aims to present the project of Asia Dynamic Hub for Water, a dynamic database developed to answer the challenges faced by developing countries in Asia to access data on both the policy and technical level to predict and tackle water-related problems and to recover from disasters. This database will provide knowledge on water resources and will have the objectives to reduce the information gap on water-related issues and provide useful information in digital or paper form on free open-source software for all Asian member states to improve decision-making and policy implementation in water resources management.</p>	
Event highlight	<ul style="list-style-type: none"> <li>• Promoting water sciences, knowledge and education for the achievement of water related SDG targets in Asia</li> <li>• Knowledge on water resources management using free and open sources tools</li> <li>• Water Project in Thailand: Comprehensive study for additional water supply from nearby basins to Chao Phraya river basin</li> <li>• Providing valuable water information for customer by the Water Information Portal</li> </ul>	



Event name	⑧ Water information beyond data and knowledge: Asia Dynamic Hub for Water.		
Date	Time	Contents	Note
20 <sup>th</sup> Oct.	13:00~13:05	<b>Opening/Welcome Address</b> <b>Keynote Speaker:</b> Prof. Kwan-Sue Jung, Chungnam National Univ., Korea	
	13:05~13:20	<b>Contents :</b> Promoting water sciences, knowledge and education for the achievement of water related SDG targets in Asia <b>Speaker :</b> Dr. Marguerite Lancon, GIWEH, Switzerland	
	13:20~13:35	<b>Contents :</b> Knowledge on water resources management using free and open sources tools <b>Speaker :</b> Mr. Sang Kwon Park, K-water, Korea	
	13:35~13:50	<b>Contents :</b> Water Project in Thailand: Comprehensive study for additional water supply from nearby basins to Chao Phraya river basin <b>Speaker :</b> Dr. Somkiat Prajamwong, Deputy Director General, Thailand	
	13:50~14:05	<b>Contents :</b> Providing valuable water information for customer by the Water Information Portal <b>Speaker :</b> Mr. Hang Yoo Kim, K-water, Korea	
		<b>Contents :</b> TBD <b>Speaker :</b> Mr. Eang Ang Ong (IBM)	
	14:05~14:55	<b>Panel Discussion</b> <b>Title: Water information Gap and Data Challenges in Asia: the power of information to solve water issues</b> <b>Moderator:</b> Prof. Kwan-Sue Jung, Chungnam National Univ., Korea <b>Panelists:</b> • Dr. Nidal Salim, GIWEH	



		<ul style="list-style-type: none"><li>• Junpyo Gil, K-water</li><li>• Dr. Somkiat Prajamwong, Royal Irrigation Department</li><li>• Dr. Sarantuya Zandarya UNESCO IHP</li><li>• Mr. Eang Ang Ong, IBM</li></ul>	
	14:55~15:00	<b>Closing Remarks</b> Prof. Kwan-Sue Jung, Chungnam National Univ., Korea	



Event name	⑨ Water projects: opportunities, challenges, and synergies for implementing the SDGs	
Venue	<i>Room B</i>	
Date	21 October 2016 (Fri)	
Time	9:00 ~ 11:00	
Key word	SWM, SDGs, Water project	
Organizer	K-water	Mr. Junbum Hong
	hongjb@kwater.or.kr	+82-42-629-3356
Synopsis	<p>Despite a lot of effort, water issues such as shortage of water resources, lack of water supply system, increasing NRW rate are occurring continuously. Many technologies have been applied to resolve water issues. In recent years, the interest of SWM converging ICT technologies is rising for resolving water issues. In this session, experts from various organizations in water sector will share their experiences and vision of SWM. And application plan and methods of SWM for resolving water issues of developing countries will be suggested through panel discussion.</p> <p>This session will help understand need for SWM technologies for effective water management and planning for SWM technologies application to resolve water issues.</p>	
Event highlight	<ul style="list-style-type: none"> <li>• Sharing smart water management experiences</li> <li>• Panel discussion about application of SWM for implementing SDGs in developing countries</li> </ul>	



Event name	<b>⑨ Water projects: opportunities, challenges, and synergies for implementing the SDGs in Asia</b>		
Date	Time	Contents	Note
21 <sup>st</sup> Oct.	09:00~09:15	<b>Opening / Keynote speech</b> <b>Keynote Speaker:</b> Prof. Philippe Gourbesville, Nice Sophia Univ., France / Vice President of Asia Water Council	
	09:15~09:30	<b>Contents :</b> SWM Experience of IBM <b>Speaker :</b> Mr. Eang Ang Ong, Partner, IBM, France	
	09:30~09:45	<b>Contents :</b> The introduction of Water Project in Indonesia <b>Speaker :</b> Mr. Pilsun Ka, K-water, Korea	
	09:45~10:00	<b>Contents :</b> Water pipes leak monitoring system <b>Speaker :</b> Mr. Kwangsuhk Oh, Usol Co. Ltd., Korea	
	10:00~10:15	<b>Contents :</b> Water challenge in Denpasar <b>Speaker :</b> Dr. Ir. Fidraus Ali, President, Indonesia Water Institute / Vice President of Asia Water Council	
	10:15~10:55	<b>Panel Discussion</b> <b>Title:</b> Application of SWM for implementing SDGs in developing countries <b>Moderator:</b> Prof. Philippe Goubesville, Nice Sophia Univ. <b>Panelists:</b> <ul style="list-style-type: none"> <li>• Dr. Ir. Fidraus Ali, Indonesia Water Institute</li> <li>• Dr. Hwang Jin Soo, K-water</li> <li>• Dr. Ickhwan Ko, Yooshin corp.</li> <li>• Dr. Tumrchudur Sodnom, National Water Committee Mongolia</li> <li>• Ministry of Water Resource and Meteorology, Cambodia</li> <li>• Ministry of Energy and Mine, Laos</li> </ul>	



	10:55~11:00	<b>Closing Remarks</b> <b>Moderator</b> : Prof. Philippe Goubesville, Nice Sophia Univ.	
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Event name	⑩ Policy and strategies for sustainable water management: To share and discuss practical ways to realize better water governance and policy	
Venue	<i>Room D</i>	
Date	21 October 2016 (FRI)	
Time	9:00 ~ 11:00	
Key word	governance, policy, strategy, stakeholder	
Organizer	K-water	Ms. Namsoo Lee
	nsmis@kwater.or.kr	+82-42-870-7351
Synopsis	<p>As multi-layers of stakeholder are engaged in water sector, there is a strong need to incorporate opinions of the interested parties when making a decision. According to OECD, "water crisis" is largely a governance crisis. In that sense, well-designed governance and water policy play a crucial role in merging their needs and drawing performance without having conflicts driven by the complexity of water sector.</p> <p>For better governance and incorporated water policy, it is essential to open up an international arena for water-related stakeholder, to develop a desirable model for promoting governance and address issues associated with gaps they may confront.</p>	
Event highlight	<ul style="list-style-type: none"> <li>• Drivers for achieving SDGs</li> <li>• Economic instrument</li> <li>• Case study(1): Information sharing policy (TBD)</li> <li>• Case study(2) : AWC model and Sihwa SDSDC</li> </ul>	



Event name	<b>⑩ Policy and strategies: To share and discuss practical ways to realize better water governance and policy</b>		
Date	Time	Contents	Note
21 <sup>st</sup> Oct.	09:00~09:05	<b>Opening/Welcome Address</b> <b>Keynote Speaker:</b> Prof. Gary Jones, Australian Water Partnership, Australia	
	09:05~09:20	<b>Contents :</b> Drivers for Achieving SDGs <b>Speaker :</b> Dr. Ralph Odgen, e-Water, Australia (TBD)	
	09:20~09:35	<b>Contents :</b> Economic instrument policy <b>Speaker :</b> Dr. Xavier Leflaive, OECD	
	09:35~09:50	<b>Contents :</b> Case study(1): information sharing policy <b>Speaker :</b> Dr. Bindu Lohani, Former President, ADB	
	09:50~10:05	<b>Contents :</b> Case study(2) : AWC model and Sihwa District Sustainable Development Committee <b>Speaker :</b> Ms. Namsoo Lee, K-water, Korea	
	10:05~10:55	<b>Panel Discussion</b> <b>Title: Barriers and mechanism for successful governance and policy in water sector</b> <b>Moderator:</b> Gary Jones, Australian Water Partnership <b>Panelists:</b> <ul style="list-style-type: none"> <li>• Dr. Bindu Lohani, Former President, ADB</li> <li>• Dr. Xavier Leflaive, OECD, France</li> <li>• Dr. Gilhong Kim, ADB</li> <li>• Prof. Jan Leentvaar, UNESCO-IHE, Netherlands</li> <li>• Prof. Henrik Andersson, Toulouse School of Economics</li> <li>• Mr. Jongwon Kim, Vice President, Korea Research Institute of Human Settlements</li> </ul>	
	10:55~11:00	<b>Closing Remarks</b> Prof. Gary Jones, Australian Water Partnership, Australia	