

Twenty Years of the Japan-Korea (Korea-Japan) Annual Seminars on Ecological Engineering Focused on Water



The Joint Committee for the
Commemoration of the
Twentieth Anniversary of the
Bilateral Seminar

December 2023

<p>The Aomori Kasenkokudo-News in Korean letter introducing the field trip of the 15th bilateral seminar (Aomori, Japan, August 2017)</p>	<p>A group photo after the sessions at the 6th seminar (Jinju, Korea, August 2008)</p>
<p>At the cultural tour of Hahoe Village at the 16th seminar (Andong, Korea, September 2018)</p>	<p>At a session at the 3rd seminar (Nagoya, Japan, July 2005)</p>

Preface

This report reflects the collaborative endeavors of Japanese and Korean scholars and engineers in water-related ecological engineering over the past twenty years, from 2003 to 2023. During this period, we conducted a total of nineteen annual bilateral cross-visit seminars on ecological engineering focused mainly on water. The philosophy of this collaboration is to develop methodologies for the adaptive management of river basin ecosystems in the East Asian regions, addressing the challenges posed by climate change and its widespread impacts.

The bilateral seminar, the core endeavor of this collaboration, has been organized through the loose association of river engineering and ecology researchers from both countries. On the Korean side, Dr. Woo Hyoseop from the engineering field, Prof. Han Myungsoo, and others from the ecology field took on the organizational roles. On the Japanese side, Prof. Tsujimoto Tetsuro from the engineering field, Prof. Takemon Yasuhiro, and Prof. Kamada Mahito from the ecology field took on organizational roles. Starting the first one in Tokushima in 2003 until the 19th in Tokushima again in 2023, we have held seminars every year, crossing the Strait! In every seminar, we had about 30~to 80 participants with about a dozen oral presentations besides some posters from both sides.

Over the twenty years, numerous seminar presentations and proceedings have accumulated substantial information and data on water-related ecological engineering fields in both countries. Moreover, all the seminars have been accompanied by relevant field trips, leaving many precious photos of field situations in both countries and some photos of friendship.

This report summarizes all the seminars concisely and systematically using the 5W and 1H principles to reflect the memories during the seminars. This report will be useful for planning and organizing future activities, including the next bilateral seminar in Korea in 2024.

Last but not least, we, the Joint Committee of the Report Publication, sincerely express heartfelt thanks to some key leaders, including, among others, Prof. Tsujimoto Tetsuro and Prof.

Takemon Yasuhiro on the Japanese side and Prof. Han Myung Soo on the Korean side, for their devotions in leading the seminars successfully and continuously for the last twenty years.

December 2023

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I. Background of the Seminar

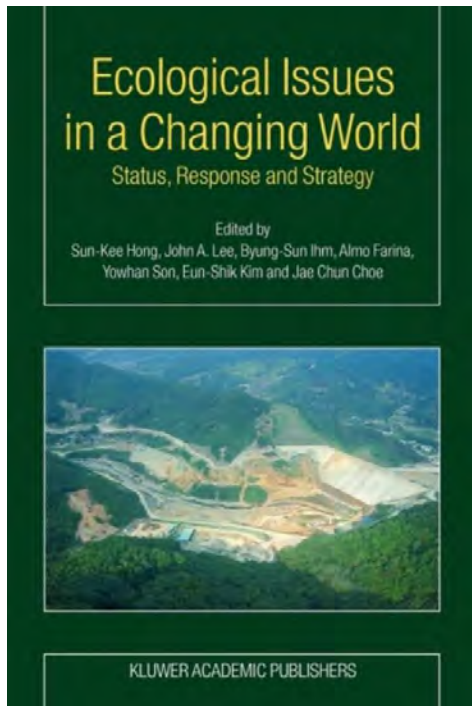
- In 2002, the 8th International Conference on Ecology (INTECOL) was held in COEX, Seoul, on August 11-18. During the event, a few Japanese ecologists, Prof. Takemon Yasuhiro at Kyoto University and Prof. Kamada Mahito at Tokushima University, proposed organizing a special joint session on ecological engineering for a Korean counterpart. The Korean counterparts were Dr. Woo Hyoseop from Korea Institute of Construction Technology (KICT) and Prof. Lee Chang Seok at Seoul Woman's University and some others. The Korean counterparts agreed to that suggestion, and special session #42, *Ecological Engineering in East Asian Rivers*, was jointly organized by Kamada M., Woo H., and Takemon Y. The following is the synopsis of the special session:
- *River ecosystems have been seriously modified through human activities, particularly by civil engineering works. Dam construction will create a new lake ecosystem in a river with a resultant discontinuity of wildlife populations such as migratory fishes. A barrage near the river mouth will shrink estuarine waters and enlarge freshwater habitats. Flood control by dam operation will reduce flood frequency and intensity, causing woodland expansion on bars. Such stabilization of river flow will seriously affect plant species and benthic animals, which depend on hydraulic characteristics and hydro-geomorphic processes in the channel. Moreover, channel alteration will change the meandering river structure into a straight one, and consequently, the riffle-pool structure of the original rivers will be degenerated. To find an ecologically adequate and socially acceptable target image for restoration, rehabilitation, or enhancement of the ecological function of those rivers, systematic studies are required, including ecological and hydraulic engineering aspects. In the present session, the speakers listed below will show the ecological, hydraulic, and hydro-geomorphic processes in river ecosystems under the above human activities and discuss methodology for setting future river ecosystem's target image on methodology for setting the target image of future river ecosystems.*

From this page, a person's name is written as the family name first, followed by the given name (Initial only for Japanese) without a comma according to the two nationals' customs, except for formal English references. Also, the writing of the two countries follows the alphabetical order in general.

- 1 Takemon, Y., Y. Niimura, T. Chibana, N. Koizumi, K. Wada, T. Ota, S. Ikebuchi, N. Tamai. Impacts of the river mouth barrage on fish communities in estuarine ecotone and evaluation of fishway of the barrage.
- 2 Yamada, H. and F. Nakamura. Effect of fine sediment deposition and influence of river structure on lotic biota in northern Japan.
- 3 Kim, J.H. A study on hydraulic characteristics of ripples for fish habitat.
- 4 Yu, D.Y. and H. Woo. Analysis of flow characteristics in stream restoration design using a two-dimensional flow model.
- 5 Okabe, T., M. Kamada, and Y. Anase. Colonization and hydro-geomorphologic influence of willow communities established on alternate bars.
- 6 Choi, S.U. Flood response of emerging vegetated zone in a stream.
- 7 Iwata, T. and S. Nakano. Energy flux from streams to forests: potential impacts of channel alterations on riparian terrestrial predators.
- 8 Song, D.H., D. Lee, M.W. Lee, and J. Kim. Selection of the vegetative buffer strip zone with watershed-based model.

The result of the INTECOL symposium was published as “Ecological Engineering for Restoring River Ecosystems in Japan and Korea” by Kamada, Woo, and Takemon in the book “Ecological Issue in a Changing World -Status, Response, and Strategy (eds. Hong S.K. et al.) from Kluwer Academic Publishers in 2004. It was also featured as “Toward River Restoration in East Asia-Pacific Region” by Kamada, Takemon, and Woo in the *Journal of Ecology and Civil Engineering* 6(1), 2003.





PREFACE TO THE FEATURE

Ecological engineering for conserving and restoring ecosystem of rivers and watersheds in East Asia-Pacific Region

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Key words: Asian countries, ecosystem management of river and watershed, INTECOL, international exchange, restoration

As frequently reported in this journal, rivers and streams are one of representative ecosystems which have been seriously altered by means of human activities, particularly by civil engineering works. Barrages constructed near river mouth seriously changed estuarine environments (Tamai 2002). Dam construction created a new lake ecosystem in a river with resultant discontinuity of material transportation and wildlife populations such as aquatic insects and migratory fishes (Tanida & Takemon 1999; Mori 1999). Stabilization of river flow and decrease in sediment transportation by dams affected not only on benthic animals but also on plant species, which depended on hydraulic characteristics and hydro-morphologic processes in the river (Kamada et al. 2002). Flood frequency and intensity were reduced by dam operation, and it caused vegetation expansion on bars (Nakamura 1999; Woo & Yoon 2002). Changes in land use and accompanied channel works degraded ecological function of the riffle-pool structure in original rivers (Nagaska & Nakamura 1999).

In accordance with spread of social recognition for impor-

tance of biodiversity and seriousness of ecosystem crisis, social demand for their restoration has been increased, and thereby, a good number of works have been conducted for restoring river ecosystems. In order to restore the degraded river ecosystems, it is necessary to make a clear target image acceptable from ecological, technical and social standpoints of view. And thus, scientific knowledge for management of river ecosystems should be based on interdisciplinary studies among the related fields. Practical works reflecting such knowledge have been progressed in Europe and North America (Harper et al. 1995; Lunders 1997; Stanley & Doyle 2003).

In East Asia-Pacific Regions, however, ecological engineering is at a beginning stage where the scientific knowledge on river ecosystems and on processes of their alteration by artificial impacts has been rapidly accumulated only recent years, and we need to create our own target images for river restoration fitting to nature of the regions. Japan and South Korea (The Republic of Korea), in particular, have a common tradition in river management systems for disaster prevention against flood and for securing irrigation of paddy fields against drought since they

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- After the INTECOL session, the Japanese group visited the KICT to hold a small seminar and discussed the next activities with the Korean members. The two parties agreed to hold an annual bilateral cross-visit seminar on ecological engineering focusing on water. Also, they agreed to hold the first seminar at Tokushima University,

Tokushima, Japan, hosted by the late Prof. Okabe and Prof. Kamada, in the summer of 2003.

- The philosophy of this collaboration through the seminars is to develop methodologies for adaptive management of the river basin ecosystem in the East Asian regions.
- The binational seminar has been organized through the loose association of river engineering and ecology researchers from both countries. On the Korean side, 'The River Restoration Study Group,' a three-year-old study group led by Dr. Woo Hyoseop and some Korean ecologists familiar with the Japanese activities in this field, tentatively took on the organization role.





II. Progress and major events of each seminar

(1) The 1st seminar (Tokushima, Japan, August 2003)

- According to the mutual agreement between the Japanese and Korean sides in the 2003 INTECOL meeting, the late Prof. Okabe and Prof. Kamada hosted the first bilateral seminar at Tokushima University, Tokushima, on August 1-2, 2003.
- On the first day, a total of 88 persons (approximately 75 Japanese and 13 Koreans) participated in the seminar.
- During the seminar, a total of 12 presentations and one keynote speech were made (7 Japanese and 6 Koreans).
- Theme: *Possibility and limitation of nature restoration in artificially altered river ecosystems*
- On the second day, all the Korean participants and some Japanese, including hosts, went on a field trip to the Yoshino River to observe the tidal flat and densely vegetated alternate bars in the river. (Despite it being a very hot sunny day!)
- Special events:
 - ✓ The host invited a few Koreans under “Invited Speakers,” providing them with gratitude.
 - ✓ After the seminar in Tokushima, some Korean delegates moved to Uji on August 3 to visit the Disaster Prevention Research Institute and Center for Ecological Research at Kyoto University, while others returned to Korea the same day.

Japanese participants (A few hosts first and participants following in the alphabetic order)	Korean participants (A few hosts first and participants following in the alphabetic order)
Okabe K., the late Prof., Tokushima Univ. Kamada M., Prof., Tokushima Univ.	Chon Tae-Soo, Prof., Busan Univ.

<p>Takemon Y., Prof., Kyoto Univ. Tsujimoto T., Prof., Nagoya Univ.</p> <p>Nishi K., Ph.D., Ecology and Civil Engineering Society Azami K., Engineer, Oyo-chishitsu Ltd. Mitsubishi H., Researcher, Museum of Nature and Human Activities, Hyogo Pref.</p> <p><i>And more</i></p>	<p>Woo Hyoseop, Senior Researcher, Korea Institute of Civil Engineering and Building Technology (KICT)</p> <p>Ahn Hong Kyu, Researcher, KICT Bae Yeon Je, Prof., Seoul Woman's Univ. Choi Sung-Uk, Prof., Yonsei Univ.</p> <p>Han Myung Soo, Prof. Hanyang Univ. Kim Byung-Hyuk, graduate student, Korea Maritime & Ocean Univ. Koh Daniel S., Prof., Busan Univ.</p> <p>Lee C. S., Prof., Seoul Woman's Univ. Oh Jong Min, Prof., Kyung Hee Univ. Yoo Jung Chil, Prof., Kyeong Hee Univ. Yoon Byungman, Prof. Myungji Univ.</p> <p>Additionally, Kim Sang Yong, Dr. Woo's spouse, attended.</p>
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- At the seminar



- At the field trip



(A field trip on a hot sunny day!)

- At the banquet





(2) The 2nd seminar (Suwon, Korea, July 2004)

- Prof. Oh Jongmin at Kyung Hee University hosted the 2nd seminar at Kyung Hee University, Suwon, on July 5-6, 2004.
- On the first day, a total of 30 persons (20 Koreans + 10 Japanese) participated in the seminar.
- At the seminar, a total of 13 oral presentations (6 Koreans + 7 Japanese) were made.
- On the second day, most Korean and Japanese participants had a field trip to the Han-gang River and Cheonggye-cheon Stream Restoration Project in Seoul.
- Theme: *Ecohydraulics and Ecological Process – Principle, Practice, and Evaluation*
- Special events:
- Following the practice of inviting some key counterpart participants, starting from the first seminar in Japan, the host invited a few Japanese under the title of “Invited Speakers,” providing a small amount of gratitude.

Korean participants	Japanese participants
<p>Chon Tae-Soo, Prof., Busan Univ. Han Myung-Soo, Prof. Hanyang Univ. Oh Jongmin, Prof., Kyung Hee Univ. Woo Hyoseop, KICT Ahn Hong Kyu, Researcher, KICT Bae Kyung-Seok, Researcher, Seoul Metropolitan Government Research Institute of Public Health and Environment Cho Eungchun, Prof., Kentucky State Univ. Cho Kang-Hyun, Prof. Inha Univ. Choi Sung-Uk, Prof., Yonsei Univ. Kim Chang Wan, Senior Researcher, KICT Kim Chul, Prof., Honam Univ. Kim Jing-Hong, Prof., Chuang Univ. Kim Kuk Il, CEO, Dongbu Engineering Co. Koh Sung-Cheol, Korea Maritime Univ. Lee Chang Seok, Prof., Seoul Women’s Univ. <i>And more</i></p>	<p>Kamada M., Prof., Tokushima Univ. Takemon Y., Prof., Kyoto Univ. Tsujimoto T., Prof., Nagoya Univ. Chibana T., Research Associate, The Univ. of Tokyo Ichiyanagi H., Researcher, Water Resources Environment Technology Center Kohzu A., Research Fellow, Kyoto Univ. Maruoka N., Japan Riverfront Research Center Maruta H., Japan Riverfront Research Center Nagata T., Prof., Kyoto Univ. Toda Y., Dr., Nagoya Univ.</p>

- At the seminar



(At the seminar hall)



(All participants in front of Kyung Hee Univ.)

- At the field trip





- At the banquet



(3) The 3rd seminar (Nagoya, Japan, July 2005)

- Prof. Tsujimoto T. hosted the 3rd seminar at Nagoya University, Nagoya, on July 25-27, 2005.
- On the first day, a total of 59 persons (23 Japanese and 36 Koreans) participated in the seminar. This seminar was specialized by the participation of about 20 members of the Korea River Association participated in the seminar, besides 16 ordinary Korean participants.
- During the seminar, a total of 12 oral presentations (6 Japanese and 6 Koreans) were made, along with an additional 11 poster presentations that were presented in the seminar for the first time.
- Theme: *Stream Restoration – Principles and Case Studies Focused on Habitat Restoration for Ecosystem*
- On the second day on July 26, most Korean and Japanese participants had a field trip to the Nagara-gawa Barrage, Kiso-gawa, and Aqua Restoration Research Center.
- Special events: On the third day, in the afternoon of July 27, the Japan Riverfront Center hosted a Japan-Korea joint workshop to report the 3rd bilateral seminar result and have a panel discussion on stream restoration. Prof. Tsujimoto and Dr. Woo were the co-chairs of the workshop, along with 7 Japanese and 5 Korean side representatives. Simultaneous interpretations of Japanese and Korean were provided during the workshop.

Japanese participants	Korean participants
Kamada M. Prof., Tokushima Univ. Takemon Y., Prof., Kyoto Univ. Tusujimoto T., Prof., Nagoya Univ.	Chon Tae-Soo, Prof., Busan Univ. Han Myung-Soo, Prof., Hanyang Univ. Woo Hyoseop, Senior Researcher, KICT
Chibana T., Research Associate, The Univ. of Tokyo Ichiyanagi H., Researcher, Water Resources Environment Technology Center	Ahn Hong Kyu, Researcher, KICT Cho Kang-Hyun, Prof., Inha Univ. Choi Gye Woon, Prof., Incheon Univ. Kang Ho Jeong, Prof., Yonsei Univ. Kwon Bo Ae, Researcher, KICT

<p>Kohzu A., Research Fellow, Kyoto Univ. Nagata T., Prof., Kyoto Univ. Toda Y., Prof., Nagoya Univ.</p> <p><i>And more</i></p>	<p>Kim Chang Wan, Senior Researcher, KICT Kim Chul, Prof., Honam Univ. Kim Jing-Hong, Prof., Jung Ang Univ. Lee Seung Hwi, Prof., Honam Univ. Seo Il Won, Prof., Seoul National Univ.</p> <p><i>And more</i></p>
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- At the seminar





- At the field trip



(In front of the Aqua Restoration Research Center, ARRC)



(At the Aqua Restoration Research Center, ARRC)



(At the Nagara-gawa Barrage)



(Along the Kiso-gawa)



(Dykes in the Kiso-gawa)

- At the banquet



(4) The 4th seminar (Gwangju, Korea, July 2006)

- Prof. Kim Chul at Honam University hosted the 4th seminar at Honam University, Gwangju, on July 17-18, 2006.
- On the first day, a total of 58 persons (43 Koreans + 15 Japanese) participated in the seminar.
- At the seminar, a total of 12 oral presentations (6 Koreans + 6 Japanese) were made, along with additional 11 poster presentations.
- Theme: *Restoration of streams and wetlands in urban and suburban areas: How can we harmonize amenity enhancement along with ecosystem restoration? Principles and Case Studies*
- On the second day, most Korean and Japanese participants went on a field trip to the Gwangju-cheon Stream, Jangheung Dam, and Gangjin Ceramic Museum.

Korean participants	Japanese participants
Kim Chul, Prof., Honam Univ. Woo Hyoseop, Senior Researcher, KICT Cho Kang Hyeon, Prof., Inha Univ. Ge Myung Chan, Prof., Hanyang Univ. Han Myeong Soo, Prof., Hanyang Univ. Jeong Sang Jun, Researcher, KICT Kim He Joo is a senior researcher at Samsung Everland Co. Kim Hyeon Jun, Senior Researcher, KICT Kim Jin Hong, Prof., Jung Ang Univ. Kim Young Do, Prof., Myung Ji Univ. Kwon Bo Ae, Researcher, KICT Lee Chang Seok, Prof., Seoul Women's Univ. Lee Seung Hui, Prof., Honam Univ. Park Jae-Hyeon, Prof., Inje Univ. Yeo Hong Goo, Senior Researcher, KICT <i>And more</i>	Kamada M., Prof., Tokushima Univ. Takemon Y., Prof., Kyoto Univ. Tsujimoto T., Prof., Nagoya Univ. Aya S., Prof., Osaka Institute of Technology Chibana T., Assistant Prof., The Univ. of Tokyo Ishida Y., Researcher, Disaster Prevention Research Institute (DPRI) of Kyoto Univ. Katakai T., Graduate student, Nagoya Univ. Kobayashi S., Researcher, DPRI of Kyoto Univ. Kochi K., Graduate student, Hokkaido Institute of Technology Mizoguchi A., Assistant Professor, Meijo Univ. Ohashi N., Deputy Head, Foundation for Riverfront Improvement and Restoration

	<p>Shimamura T., Researcher, DPRI of Kyoto Univ. Shimizu Y., Assoc. Prof., Gunma University Suzuki T., Graduate student, The Univ. of Tokyo Takeshita K., Advisor, Water Resources Environment Technology Center</p>
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- At the seminar



At the opening speech



At the poster session



At the panel discussion



A group photo after the seminar

- At the field trip



(From upper left clockwise: Gwangjucheon Stream, Jangheung Dam, and Gangjin Ceramic Museum)

- At the banquet



(5) The 5th seminar (Nakasibetsu/Hokkaido, Japan, August 2007)

- Prof. Nakamura at Hokkaido University hosted the 5th seminar at Nakasibetsu, Hokkaido, on August 24-25, 2007.
- On the first day, a total of 39 persons (17 Japanese and 22 Koreans) participated in the field trip to the restored meandering river site, restoration-planned site, and Salmon Science Museum.
- On the second day, a total of 9 oral presentations (5 Japanese and 4 Koreans) were made, along with additional 13 poster presentations (3 Japanese and 10 Korean)
- Theme: *Physical and ecological processes and their linkages – taking advantages of expected and unexpected results in restoration –*
- Special events:
 - ✓ During the seminar, Dr. Watanabe Y. gave a keynote speech on the re-meandering project in the Shibetsu River. At the end of the seminar, a panel

discussion was held on “Physical and ecological processes and their linkages – Taking advantage of expected and unexpected results in restoration,” in which four Japanese and four Koreans participated.

- ✓ On the third day, August 26, participants had another Nakashibetz Coastal Wetland field tour.

Japanese participants	Korean participants
<p>Nakamura F., Prof. Hokkaido Univ. Takemon Y., Prof., Kyoto Univ Aya S., Prof., Osaka Institute of Technology Chiba M., Hokkaido Univ. Chibana T., Assoc. Prof., The Univ. of Tokyo Fujiwara M., panelist, Public Works Research Institute Hasegawa K., participant, Foundation of River & Watershed Environment Management Kobayashi S., panelist, Public Works Research Institute Matsushima F., Graduate student, Kyoto Univ. Nagayama S., Prof. Hokkaido Univ. Nakano D., panelist, Central Research Institute of Electric Power Industry Ock G., Graduate student, Kyoto Univ. Osugi T., Researcher, Water Resources Environment Technology Center Suzuki T., The Univ. of Tokyo Tashiro T., Assist. Prof., Nagoya Univ. Toda Y., Assoc. Prof., Nagoya Univ.</p>	<p>Chon Tae-Soo, Prof., Busan Univ. Woo Hyoseop, Senior Researcher, KICT Ahn Hong Kyu, Researcher, KICT Ahn Kwang-Kook, Prof., Chungnam Univ. Bae Yeon-Je, Prof., Seoul Women’s Univ. Cho Hyeong-Jin, graduate student, Inha Univ. Choi Heung-Sik, Prof., Sangji Univ. Jeon Seung-Hoon, Prof., Gacheon Univ. Jeong Ji-Hyang, graduate student, Ihwa Woman Univ. Kang Jun-Goo, Researcher, KICT Kim Chang-Wan, Senior Researcher, KICT Kim Min-Kyeong, graduate student, Ihwa Woman Univ. Kim Seong-Ok, graduate student, Ihwa Woman Univ. Kim Tae-Beom, graduate student, Yonsei Univ. Nam Kyoungphile, Prof., Seoul National Univ. Nam Taek-Woo, graduate student, Seoul National Univ.</p>

<p>Watanabe Y., Researcher, Civil Engineering Research Institute for Cold Region</p>	<p>Park Jeong-Soo, graduate student, Seoul National Univ. Park Moon-Hyeong, Researcher, KICT Yeo Hong Goo, Senior Researcher, KICT Additionally, Dr. Woo's, Prof. Choi Heung-Sik's, and Prof. Bae's spouses attended.</p>
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- At the field trip





(A pose of three ladies, participants' spouses at a social program during the seminar)

(6) The 6th seminar (Jinju, Korea, August 2008)

- Prof. Kim Ki Heung at National Gyeongsang University hosted the 6th seminar at Jinju on August 18-19, 2008.
- On the first day, a total of 30 persons (about 22 Koreans + 8 Japanese) participated in the seminar.
- At the seminar, a total of 11 oral presentations (6 Koreans + 5 Japanese) were made, with additional poster presentations (Koreans + Japanese)
- On the second day, a total of 15 persons (7 Koreans + 8 Japanese) participated in the field trip to the Nam-gang River Dam, Jinju Fortress biotope in the Nam-gang River, Youngcheon-gang River, and Eori marsh in the Jugyo-cheon Stream,
- Theme: *Restoration of streams and wetlands in urban and suburban areas: How can we maximize riverine habitat within the restriction of flood control? Principles and Case Studies*
- Special events:
 - ✓ A panel discussion facilitated by Dr. Woo's review presentation followed the regular sessions.

Korean participants	Japanese participants
Chon Tae Soo, Prof., Busan Univ. Kim Ki Heung, Prof., National Gyeongsang Univ. Woo Hyoseop, Senior Researcher, KICT Ahn Hong Kyu, Researcher, KICT Bae Yeon-Je, Prof., Seoul Women's Univ. Cho Kang-Hyeon, Prof., Inha Univ. Choi Sung-Uk, Prof., Yonsei Univ. Jang Chang Rae, Prof., Korea National Univ. of Transportation	Kamada M., Prof., Tokushima Univ. Takemon Y., Prof., Kyoto Univ. Tsujimoto T., Prof., Nagoya Univ. Mizoguchi A., Assistant Prof., Meijo Univ. Ock Giyoung, graduate student, Kyoto Univ. Osugi T., WEC <i>And more</i>

<p>Jang Seok Hwan, Prof., Daejin Univ. Kim Chang Wan, Senior Researcher, KICT Kim Chul, Prof., Honam Univ. Kim Won, Senior Researcher, KICT Lee Chan Joo, Researcher, KICT Lee Chang Seok, Prof., Seoul Women's Univ. Lee Nam Joo, Prof., Kyungsung Univ. Lee Seung Hwi, Prof., Honam Univ. Park, Jae-ro, Senior Researcher, KICT <i>And more</i></p>	
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- After the seminar



(7) The 7th seminar (Saitama, Japan, September 2009)

- Prof. Asaeda at Saitama University hosted the 7th seminar at Saitama on September 26-28, 2009. This seminar was held along with the annual conference of Japan's Ecology and Civil Engineering Society (ECES), which was held at the same place and time.
- Theme: No specific theme was designated since this seminar was held along with the 15th ECES.
- On the third day, the binational seminar was held as an English Presentation Session, and a total of 38 oral presentations (26 Japanese + 8 Koreans + 3 others) were made at Saitama Kaikan.
- At the seminar lunch with the poster presentation



- At the field trip

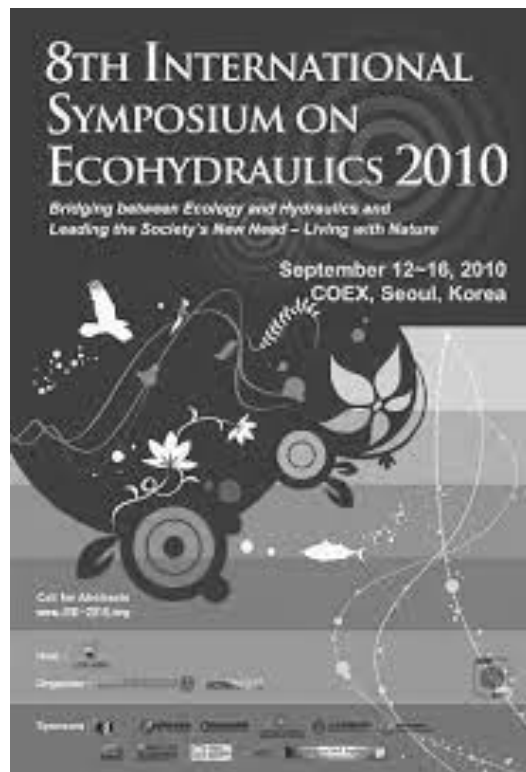


- At the banquet



(8) The 8th seminar (Seoul, Korea, September 2010)

- According to the spirit of the annual cross-visit event, the 8th seminar should have been held in Korea in 2010. That year in Korea, however, Dr. Woo Hyoseop hosted the 8th International Symposium on Eco-hydraulics (ISE) in Seoul, Korea, with the theme of “Bridging between ecology and hydraulics and leading the society’s new need – living with nature.” It was an expansion of the bilateral seminars.
- The ISE was held in COEX, Seoul, from September 12 to 16, attracting over 200 international and 300 Korean participants. Since most Japanese members of this bilateral seminar are also interested in the ISE, which is held every three years, the annual bilateral seminar scheduled for 2010 could be naturally assimilated into the 2010 ISE.
- The two parties, the Korean and Japanese, agreed not to have separate seminars that year. Instead, they encouraged interested members to submit papers and present at the symposium. As a result, most key persons from Japan, including Prof. Tsujimoto and Prof. Takemon, and participants from Korea attended the symposium.



(9) The 9th seminar (Kanazawa, Japan, September 2011)

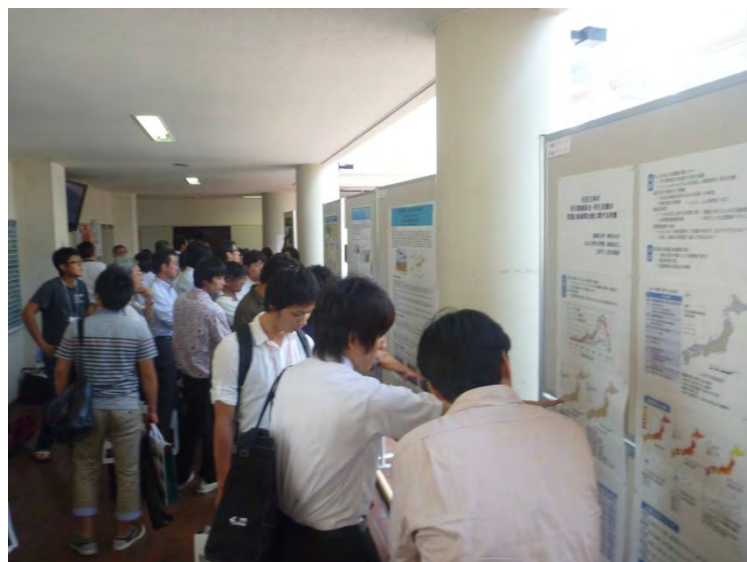
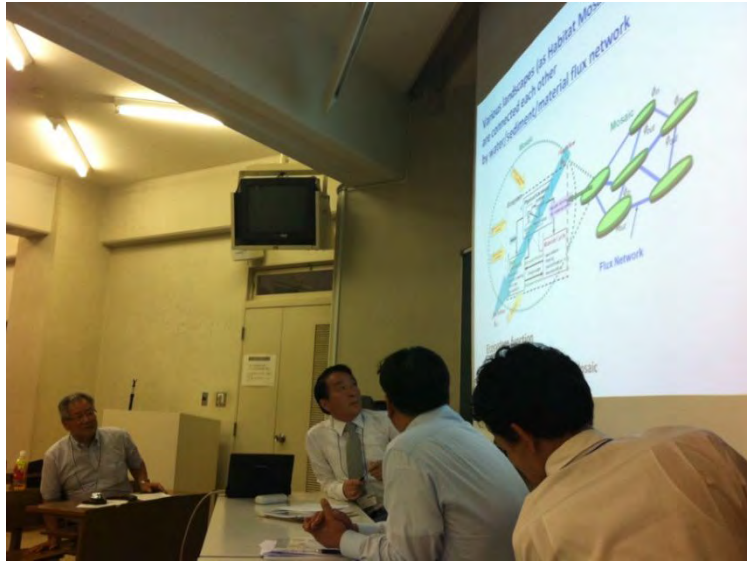
- Prof. Tsujimoto at Nagoya University hosted the 9th seminar at Kanazawa on September 15-16, 2011. This seminar was held along with the annual conference of Japan's Ecology and Civil Engineering Society (ECES), which was held at the same place and time.
- On the first day, a total of 30 persons (about 22 Japanese + 8 Koreans) participated in the seminar. A total of 10 oral presentations (5 Japanese and 5 Koreans) were made at Kanazawa Gakuin University, along with an additional 9 poster presentations (9 Japanese).
- Theme: No specific theme was designated since this seminar was especially along with the 15th ECES.
- Special events:
 - ✓ At the end of the seminar, there was a Panel discussion on the topic of “Ecosystem Approach to River and River Basin Management,” in which three Japanese and two Koreans participated.
 - ✓ On the third day, September 17, the ECES Open Symposium was held at the Ishikawa Ongakudo.
- On the second day, a total of 25 persons (15 Japanese + 10 Koreans) participated in the field excursion to the Tedorigawa river system: A multi-purpose dam, the landscape change in the downstream reach of dams, the gravel bed river ecosystem, and vegetation problem in gravel bed river, etc.

Japanese participants	Korean participants
Tsujimoto T., Prof., Nagoya Univ. Takemon Y., Prof., Kyoto Univ. Kamada M., Prof. Tokushima Univ.	Han Myung-Soo, Prof. Hanyang Univ. Woo Hyoseop, President, KICT Choi Heung-Sik, Prof., Sangji Univ.

<p>Katayama F., graduate student, The Univ. of Tokyo</p> <p>Ogawa G., Researcher, Foundation of Riverfront Improvement and Restoration</p> <p>Ichiyanagi H., Researcher, Water Resources Environment Technology Center</p> <p>Kaneko H., graduate student, The Univ. of Tokyo</p> <p>Sago J., Researcher, Foundation for Riverfront Improvement and Restoration</p> <p>Yamashita K., graduate student, The Univ. of Tokyo</p> <p>Obana M., Assistant Prof., Nagoya Univ.</p> <p>Saito S., graduate student, The Univ. of Tokyo</p> <p>Takemura S., graduate student, The Univ. of Tokushima</p> <p>Tashiro T., Associate Prof., Nagoya Univ.</p> <p>Chibana T., Associate Prof., The Univ. of Tokyo</p> <p>Toda Y., Associate Prof., Nagoya Univ.</p> <p><i>And more</i></p>	<p>Choi Seong-Uk, Prof., Yonsei Univ.</p> <p>Kim Won, Senior Researcher, KICT</p> <p>Nam Kyoungphile, Prof., Seoul Univ.</p> <p>Yang K.Y., Manager, Samsung C&T</p> <p>Yoon Byungman, Prof. Myungji Univ.</p>
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- At the seminar





- At the field trip



(10) The 10th seminar (Jeju, Korea, September 2012)

- According to the spirit of the annual cross-visit event, the 10th seminar should have been held in Korea in 2012. That year in Korea, however, Dr. Woo Hyoseop hosted the 18th IAHR-APD (Asia-Pacific Division) Congress in Jeju Island, Korea, in September, with the theme of “Hydro-environmental engineering toward harmony between human and nature.”
- It was held at Jeju International Convention Center, in Jungmoon Tourism Complex, Jeju Island, a famous ocean-view conference center, from September 19 through 23, attracting over 250 international and 250 Korean participants. Since most Japanese members of this bilateral seminar are also interested in the APD Congress, the 10th bilateral seminar scheduled in 2012 could be held as some special sessions in the Congress.
- During the congress, two sessions were allocated for the 10th seminar, the first one, SS4F Ecosystem Management 1, and the second one, SS5F Ecosystem Management 2, with 7 presentations (3 Koreans and 4 Japanese) and 6 presentations (4 Koreans and 2 Japanese), respectively.
- No additional, separate programs, such as poster sessions or field trips, were planned since the Congress covered such events.

Korean participants	Japanese participants
Woo Hyoseop, Senior Researcher, KICT	Takemon Y., Prof., Kyoto Univ. Tsujiimoto T., Prof., Nagoya Univ.
Ahn Hong Kyu, Researcher, KICT	Chibana T., Associate Prof., The Univ. of Tokyo
Choi Sung-Uk, Prof., Yonsei Univ.	Choi Mikyoung, graduate student, Kyoto Univ.
Jang Chang Rae, Prof., Korea National Univ. of Transportation	Harada D., Graduate student, The Univ. of Tokyo
Jung Sang Hwa, Researcher, KICT	Kakugawa K.,
Kim Ji-Sung, Researcher, KICT	Obana M., Assistant Prof., Nagoya Univ.
Kim SiNae, Researcher, KICT	Sumi T., Prof., Kyoto Univ.
Kim Won, Senior Researcher, KICT	Toda Y., Assoc. Prof., Nagoya Univ.
Lee Chan Joo, Researcher, KICT	<i>And more</i>
Lee Jiwan	
Lee Nam-Joo, Prof., Kyung Sung Univ.	
<i>And more</i>	

(11) The 11th seminar (Kyoto, Japan, September 2013)

- Prof. Tsujimoto at Nagoya University hosted the 11th seminar at Kyoto on September 3, 2013, under the 12th ISRS (International Symposium on River Sedimentation) held from September 2 to 5.
- A total of 14 persons (8 Japanese and 6 Koreans) participated in the seminar, with 8 Japanese and 6 Korean oral presentations.
- Theme: No specific theme was designated since this seminar was held under the ISRS. Also, no field trip was scheduled.

Japanese participants	Korean participants
Asaeda T., Prof., Saitama Univ. Sumi T., Prof., Kyoto Univ. Takemon Y., Associate Prof., Kyoto Univ. Tsujimoto T., Prof., Nagoya Univ. Chibana T., Assoc. Prof., The Univ. of Tokyo Hyodo M., graduate student, Kyoto Univ. Obana M., Assistant Prof., Nagoya Univ. Toda Y., Associate Prof., Nagoya Univ.	Han Myung Soo, Prof., Hanyang Univ. Choi Heung-Sik, Prof., Sangji Univ. Choi Seong-Uk, Prof., Yonsei Univ. Kang Jun-Goo, Researcher, KICT Lee Chan Joo, Researcher, KICT Yoon Jong Seong, Prof., Inje Univ.

- At the seminar



(12) The 12th seminar (Seoul, Korea, July 2014)

- This seminar was held along with the 2014 Conference of Korea Society of Ecology and Infrastructure Engineering (KSEIE) at Korea University, Seoul, on July 11, 2014.
- A total of over 25 persons (over 17 Koreans and 8 Japanese) participated in the seminar, with a total of 12 oral presentations (5 Koreans and 7 Japanese) made.
- Theme: No specific theme was designated since it was held along with the 2014 KSEIE conference.

Korean participants	Japanese participants
Kim Dong Yeop, Prof., Seongkyunkwan Univ. Woo, Hyoseop, Prof., Gwangju Institute of Science and Technology (GIST) Choi Heung Sik, Prof., Sangji Univ. Choi Seong-Uk, Prof., Yonsei Univ. Jho Eun Hea, graduate student, Seoul National Univ. Kang Joon Gu, Researcher, KICT Kim Seung Ki, graduate student, Yonsei Univ. Lee Woong Hee, graduate student, Sangji Univ. Nam Kyoungphile, Prof., Seoul National Univ. Paik Kyungrock, Prof., Korea Univ. <i>And more</i>	Takemon Y., Prof., Kyoto Univ. Tsujimoto T., Prof., Nagoya Univ. Aya S., Prof., Osaka Institute of Technology Chibana T., Assoc. Prof., The Univ. of Tokyo. Choi Mikyoung, graduate student, Kyoto Univ. Kim Sinae, graduate student, Nagoya Univ. Obana M., Assistant Prof., Nagoya Univ. Toda Y., Assoc. Prof., Nagoya Univ.

(13) The 13th seminar (Nagano, Japan, August 2015)

- Prof. Tsujimoto at Nagoya University hosted the 13th seminar at Nagano, Japan, on August 21-22, 2015.
- On the first day, 10 of the 11 Korean participants and some Japanese hosts had a field trip to the mountain streams and dams near Nagano, the Omachi Dam, and Azumino areas, a famous place for the Winter Olympics in 1998.
- On the second day, a total of 20 persons (10 Japanese + 10 Koreans) participated in the seminar, which was held at Nagano Prefecture High School Education Center, Nagano City.
- At the seminar, a total of 12 presentations (5 Japanese + 7 Koreans) were made.
- Theme: *River basin management based on a scientific understanding of ecosystem*
- Special events: A general discussion, titled “River basin management based on scientific understandings of an ecosystem,” coordinated by Prof. Tsujimoto, followed the sessions.

Japanese participants	Korean participants
<p>Takemon Y., Prof., Kyoto Univ. Tsujimoto T., Emeritus Prof., Nagoya Univ.</p> <p>Chibana T., Associate Prof., The Univ. of Tokyo Harada D., Graduate student, The Univ. of Tokyo Kim Sinae, Graduate student, Nagoya Univ. Mizoguchi A., Professor, Meijo Univ. Obana M., Assistant Professor, Nagoya Univ. Toda Y., Prof., Nagoya Univ.</p> <p><i>And more</i></p>	<p>Kim Dong Yeop, Prof., Seongkyunkwan Univ. Woo Hyoseop, Senior Researcher, KICT</p> <p>Cha Yoon Jeong, Ph.D., Gacheon Univ. Chang Kwang Hyeon, Prof., Kyung Hee Univ. Choi Beong Woong, graduate student, Yonsei Univ. Choi Seong-Uk, Prof., Yonsei Univ. Hwang Dong Kyu, Ph.D., Seongkyunkwan Univ. Jeon Ok Gil, graduate student, Ehwa Univ. Kim Won, Senior Researcher, KICT Lee Chan Joo, Researcher, KICT Lee Hyeon Seok, Director, HQ Tech Co. Oh Jong Min, Prof., Kyung Hee Univ.</p>

- At the field trip



- At the banquet



(14) The 14th seminar (Busan, Korea, August 2016)

- Prof. Shin Hyeon-Seok at Busan National University hosted the 16th seminar in Busan, Korea, on August 18-20, 2016.
- On the first day, a total of 20 persons (12 Koreans and 8 Japanese) participated in the seminar.
- At the seminar, a total of 12 oral presentations (7 Koreans and 5 Japanese) were made, with an additional few poster presentations.
- Theme: *Realization of Integrated Economic & Ecological Services in Built Environments*
- Special events: A discussion on GI (green Infra), its usefulness, and applications to tackling the socio-environmental issues was held right after the sessions.
- On the second day, they had a field trip to the LID and GI Center at Busan University, Ulsook-do Island, and Nakdong-gang Barrage in Busan.

Korean participants	Japanese participants
Shin Hyunsuk, Prof., Busan National Univ. Woo, Hyoseop, Prof., GIST Jeon Seung-hoon, Prof., Gacheon Univ. Kwon Hye Ji, graduate student, Yonsei Univ. Park Moonhyeong, Senior Researcher, KICT Choi Byungwoong, graduate student, Yonsei Univ. Geem Zong Woo, Prof., Gachon Univ. Jang Chang-Lae, Prof., Korea National Univ. of Transportation Jung Jingho Jung, Prof., Korea Univ.	Kamada M., Prof., Tokushima Univ. Harada D., Researcher, The Univ. of Tokyo Imai Y., Graduate student, Tokushima Univ. Mizoguchi A., Prof., Meijo Univ. Muto Y., Prof., Tokushima Univ. Obana M., Assistant Prof. Nagoya Univ. Yoshitake H., Manager, Pacific Consultants Co., LTD

<p>Ko Dong-woo, Researcher, Korea Institute of Civil Engineering and Building Technology (KICT) Kwon Soon Chul, Ph.D, Busan National Univ. Lee Hyun Jae, Manager, Korea Engineering Consultants Corp. Ryu Yoon Jin, Manager, NEXUS Ecological Engineering Institute</p>	<p><i>And more</i></p>
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- At the seminar





- At the field trip





- At the banquet



(15) The 15th seminar (Aomori, Japan, August 2017)

- Prof. Azuma Nobuyuki hosted the 17th seminar at Hirosaki University, Aomori, along with Prof. Tsujimoto Tetsuro, Nagoya Univ., and Prof. Chibana Takeyoshi, The Univ. of Tokyo on August 24-25, 2017.
- Theme: *River Ecology and Engineering - Comprehensive Approach from Head Water to River Mouth*
- On the first day, a total of 30 persons (15 Japanese + 15 Koreans) took part in the field trip to Tsugaru Dam, Jusanko Lake, Shin Naruse Bridge, and so on.
- On the second day, some Japanese, including the hosts and all the Korean participants, had a joint seminar.
- At the seminar, a total of 12 oral presentations (5 Japanese and 7 Koreans) were made, along with three additional Korean posters.
- Special presentation:
 - ✓ The 20 years review of the River Law Revision of 1997 in Japan by Prof. Tsujimoto
 - ✓ Discussion: Comprehensive approach from headwater to river mouth, moderated by Prof. Tsujimoto

Japanese participants	Korean participants
Azuma N., Prof., Hirosaki Univ. Tsujimoto T., Prof., Nagoya Univ. Chibana T., Associate Prof., The Univ. of Tokyo Iwata S., graduate student, Nagoya Univ. Kasahara S., Researcher, Hirosaki Univ. Kousaka K., Engineer, Pacific Consultants Co, Ltd. Mizoguchi A., Prof., Meijo Univ.	Han Myung-Soo, Prof., Hanyang Univ. Woo Hyoseop, Prof., GIST Yeo Woon Kwang, Prof., Myongji Univ. Ahn Myeonghui, Researcher, KICT, An Joohee, Researcher, GIST

<p>Ogawa A., Engineer, Pacific Consultants Co., Ltd. <i>And more</i></p>	<p>Cho Hyunsuk, graduate student, Inha Univ. Choi Sung-Uk, Prof., Yonsei Univ. Jang Chang-Lae, Prof., Korea Transportation Univ. Ji Un, Researcher, KICT Jin Seung-Nam, graduate student, Inha Univ. Jonn Jae-Hyoung, Hanyang Univ. Kim Jin Ho, Hanyang Univ. Kim Sinae, Researcher, KICT Lee Chanjoo, Researcher, KICT Park So Hyun, graduate student, Inha University</p>
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- At the field trip





- At the seminar





青森河川国道ニュース

Aomori kasenkokudou-NEWS (Korean version)



쓰가루 댐부터 주산코 호수 돌제까지 시찰 한일 합동 세미나



2017. 8. 24 주산코 호수 돌제

쓰가루 댐에 대한 설명을 듣는 모습



쓰가루 댐 전시실

현지 시찰



지난달 말, 한일 합동 세미나 참가자 약 30명이 이와키가와 강을 방문하여 작년에 막 완공된 쓰가루 댐과 선장 토목유산으로 지정된 주산코 호수 수문 돌제, 이와키가와 강 하류의 광대한 갈대밭 등을 시찰하였습니다.

시찰 당일에는 아쉽게도 날씨가 좋지 않았지만, 비옷을 걸치거나 우산을 쓰고 열심히 현지를 견학하였고, 주산코 호수 수문 돌제 시찰에서는 지금까지의 역사와 돌제의 구조 등에 대해 설명을 들은 후, “주산코라는 이름의 유래는 무엇인가?”, “주산코 호수의 깊이는 얼마나 되니?” 등 다양한 질문을 받았습니다.

또, 이동 중 버스 안에서는 쓰가루 평야에 펼쳐지는 사과밭과 논을 보고 놀라기도 하고, 한국과 일본의 문화적 차이에 대한 이야기 등을 나누며 분위기가 달아 올랐습니다.

외국인들이 이와키가와 강을 돌아봐 주어 당 사무소로서도 대단히 귀중한 경험이 되었습니다.

※한일 합동 세미나

→하천공학 및 생태학 연구자들이 일년에 한 번씩 한국과 일본의 하천을 교대로 시찰하는 연수회(금년으로 15번째)

(The Aomori Kasenkokudo-News in Korean letter introducing the field trip of the 15th bilateral seminar)

(16) The 16th seminar (Andong, Korea, September 2018)

- Prof. Han Myung-Soo, President of the Korea Society of Ecology and Infrastructure Engineering (KSEIE), and Dr. Lee Doo-Han, Head of the River Experiment Center, co-hosted the 16th seminar in Andong on September 13-14, 2018. The Center is an experiment facility managed by the Korea Institute of Civil Engineering and Building Technology (KICT) and located in Andong, Gyeongsangbuk-do.
- On the first day, a total of 13 persons (about 5 Koreans + 8 Japanese) took part in the field trip to the Naeseong-Cheon Stream and Andong City, with some cultural tours included.
- On the second day, a total of 15 oral presentations (9 Koreans and 6 Japanese) were made, along with 4 poster presentations (4 Koreans)
- Theme: *A better way towards river environment improvement and restoration in the river basin*
- Special events:
 - ✓ A panel discussion on the theme, moderated by Dr. Woo Hyoseop and Prof. Toda Yuji, was held following the general sessions.

Korean participants	Japanese participants
Han Myung-Soo, Prof., Hanyang Univ. Woo Hyoseop, Prof., GIST Yeo Woon Kwang, Prof., Myongji Univ.	Chibana T., Assoc. Prof., The Univ. of Tokyo Toda Y., Prof., Nagoya Univ.
Lee Duhan, Senior Researcher, KICT An Joohee, Researcher, GIST An Myeonghui, Researcher, KICT	Hayashi Strand Marie, Pacific Consultants Co., Ltd. Mizoguchi A., Prof., Meijo Univ.

<p>Cho Hyunsuk, graduate student, Inha Univ.</p> <p>Choi Mikyoung, Ph.D., Chungnam National Univ.</p> <p>Choi Sung-Uk, Prof., Yonsei Univ.</p> <p>Jang Chang-Lae, Prof., Korea National Univ. of Transportation</p> <p>Jeong Anchul, graduate student, Chungnam National Univ.</p> <p>Ji Un, Researcher, KICT</p> <p>Jin Sung-Nam, graduate student, Inha Univ.</p> <p>Joo Jae-Hyoung, graduate student, Hanyang Univ.</p> <p>Kang Joongu, Researcher, KICT</p> <p>Kim Donggu, Researcher, KICT</p> <p>Kim Hyung Suk, Researcher, KICT</p> <p>Kim Jin Ho, graduate student, Hanyang Univ.</p> <p>Kim Sinae, Researcher, KICT</p> <p>Kim Sung Ki, graduate student, Yonsei Univ.</p> <p>Kim Sungjoong, Researcher, KICT</p> <p>Ko Dongwoo, Researcher, KICT</p> <p>Lee Chanjoo, Researcher, KICT</p> <p>Lee Young Jae, graduate student, Kyungpook National Univ.</p> <p>Park So Hyun, graduate student, Inha Univ.</p>	<p>Tashiro T., Prof., Nagoya Univ.</p> <p>Tsubaki R., Assoc. Prof., Nagoya Univ.</p> <p>Watanabe T., Engineer, Pacific Consultants Co., Ltd.</p> <p>Xu Bingjie, Engineer, Pacific Consultants Co., Ltd.</p> <p><i>And more</i></p>
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- A group photo in front of the Center after seminar



- At a cultural tour of Hahoe Village



- At the banquet



(17) The 17th seminar (Fukuoka, Japan, August 2021)

- Associate Prof. Ryutei Inui hosted the 17th seminar at Fukuoka Institute of Technology, Fukuoka, along with Prof. Tsujimoto, Nagoya University, and Prof. Chibana Takeyoshi, The University of Tokyo, on August 22-23, 2018.
- Theme: *Harmonization of human activity and river ecosystem toward future basin management*
- On the first day, a total of 18 persons (about 11 Japanese + 7 Koreans) took part in the field trip to Onga River Mouth Barrage, Nature Restoration Works in Iizuka City, River Improvement Works in Nogata, and River Museum in the Onga River.
- On the second day, all the Korean (7) and some Japanese participants (14), including hosts, had a joint seminar.
- At the seminar, a total of 14 oral presentations (8 Japanese + 6 Koreans) were made.
- Special presentation: A special presentation was made about the topic of “categorization of possible causes for vegetation recruitment on riparian bars in the monsoon-affected regions” by Prof. Woo, and a discussion from both sides followed. The discussion title was “Comprehensive approach from headwater to river mouth,” moderated by Dr. Woo and Prof. Takemon.

Japanese participants	Korean participants
Inui R., Prof., Fukuoka Institute of Technology Kamada M., Prof., Tokushima Univ. Takemon Y., Prof., DPRI, Kyoto Univ. Chibana T., Assoc. Prof., The Univ. of Tokyo Mohamed Saber, Graduate Student, Kyoto Univ.	Woo Hyoseop, Prof., GIST Choi Heung Sik, Prof., Sangji University Choi Byungwoong, Ph.D., Sangji Univ. Choi Hun, Researcher, KICT Jang Chang-Lae, Prof., Korea National Univ. of Transportation Kim Seung Ki, graduate student, Yonsei Univ.

<p>Nakamura T., graduate student, Nagoya Univ.</p> <p>Sutoh T., Engineer, Pacific Consultants</p> <p>Tashiro T., Prof., Disaster Mitigation Research Center, Nagoya Univ.</p> <p>Toda Y., Prof., Nagoya Univ.</p> <p>Xiao Enbang, graduate student, Kyoto Univ.</p> <p>Yamasaki H., Graduate Student, Kyoto Univ.</p> <p>Yoshitake H., Engineer, Pacific Consultants</p> <p>Zhou YueXia, graduate student, Nagoya Univ.</p>	<p>Kim Won, Senior Researcher, Korea Institute of Civil Engineering and Building Technology (KICT)</p> <p>Lee Chanjoo, Researcher, KICT</p>
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- At the seminar



- At the special presentation



- At the field trip





- At the banquet



(18) The 18th seminar (online, Korea hosted, August 2021)

- Dr. Kim Won at Korea Institute of Civil Engineering and Building Technology (KICT) hosted the 18th seminar online on August 19, 2021.
- A total of 24 persons (14 Koreans and 10 Japanese) took part in this seminar, and 14 oral presentations (9 Koreans and 5 Japanese) were made.
- Theme: *Eco-DRR measures against water disaster - principles and application*
- The river management session titled “Current direction of science and engineering on river ecosystem” was chaired by Prof. Sung-uk Choi. In this session, a few special presentations were made. The first presentation was given by Prof. Tsujimoto, followed by two presentations: “The flood impact of the Vegetation in the Sumjin-gang River in the 2020 flood event” by Dr. Kim Won and “Governance for realizing multifunctional floodplain; flood control, agriculture, and biodiversity in Yolo Bypass Wildlife Area, California, USA”, by Prof. Kamada.
- A screen capture at the seminar



Korean participants	Japanese participants
<p>Choi Sung-uk, Prof., Yonsei Univ. Kim Won, Senior Researcher, KICT Woo Hyoseop, Prof., GIST</p>	<p>Kamada M., Prof., Tokushima Univ. Tsujiimoto T., Emeritus Prof., Nagoya Univ.</p>
<p>Choi Mikyoung, Ph.D., Chungnam National Univ. Hong-Gyu Ahn, Senior Researcher, KICT</p>	<p>Aya S., Emeritus Prof., Osaka Institute of Technology Chibana T., Associate Prof., The Univ. of Tokyo</p>
<p>Jang Chang-Lae, Prof., Korea National Univ. of Transportation Jang Eun-Kyung, Researcher, KICT</p>	<p>Mizoguchi A., Prof., Meijo Univ. Okamoto Y., Engineer, CTI Engineering Co., Ltd</p>
<p>Cho Kang-Hyun, Prof., Inha Univ. Kang Tae-Un, graduate student, Korea National Univ. of Transportation</p>	<p>Shoji T., Engineer, Pacific Consultants Co., Ltd Toda Y., Prof., Nagoya Univ.</p>
<p>Kang Woo-Chul, Researcher, KICT</p>	<p>Tsubaki R., Associate Prof., Nagoya Univ.</p>
<p>Kim Seung-Ki, Researcher, KICT</p>	<p>Zhou Yuexia, Engineer, Pacific Consultants Co., Ltd</p>
<p>Kim Sinae, Researcher, KICT</p>	
<p>Lee Chanjoo, Researcher, KICT</p>	<p>Zhu Runye, Graduate student, Nagoya University</p>
<p><i>And more</i></p>	<p><i>And more</i></p>

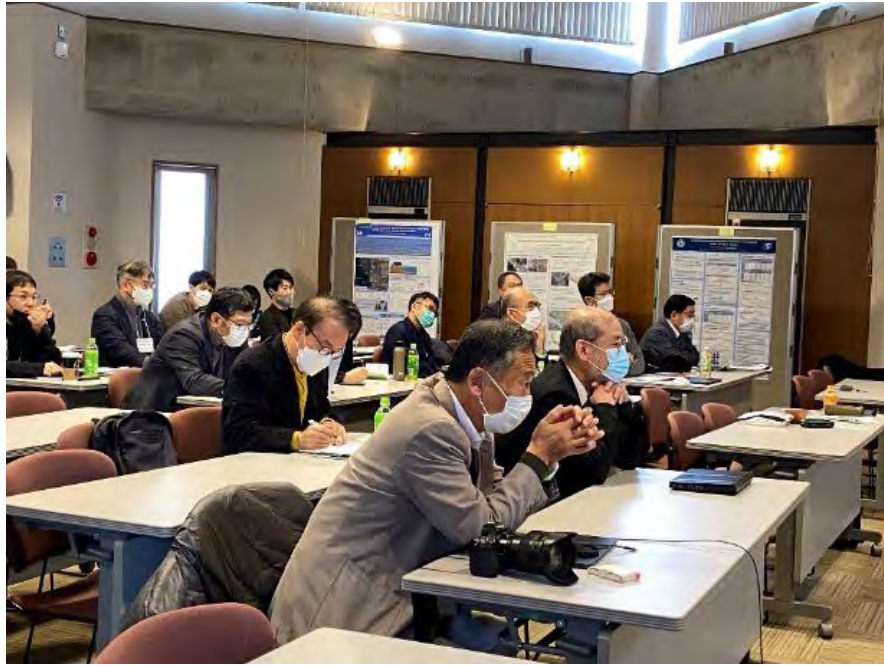
(19) The 19th seminar (Tokushima, Japan, February 2023)

- Prof. Kamada hosted the 19th seminar at Tokushima University, Tokushima, on February 23-24, 2023, commemorating the 20th anniversary of the joint seminar which the same host held at the same place in 2003.
- Since we did not have the 18th seminar in Korea 2020 because of the COVID-19 pandemic and only had it online the following year because of the prevailing pandemic, this 2023 seminar is the 19th, not the 20th.
- On the first day, a total of 37 persons (about 23 Japanese and 14 Koreans) participated in the seminar.
- At the seminar, a total of 20 oral presentations (12 Japanese and 8 Korean) and 6 poster presentations were made.
- Theme: *Next Perspectives on Ecological Engineering for Eastern Asia*
- On the second day, all the Korean and some Japanese participants, including hosts, had a field trip to the Naka River to observe a river reach for sediment replenishment to restore the river's aquatic habitat and a replaced tidal flat habitat for a coastal flood embankment.
- Special events (or presentations):
 - ✓ Two keynote speeches were given by Prof. Kamada from Japan and Prof. Choi from Korea.
 - ✓ An ad-hoc meeting was held during the seminar lunchtime on February 23 with four Japanese representatives (Prof. Kamada, Prof. Takemon, Prof. Muto, and Prof. Tsubaki) and four Korean counterparts (Prof. Woo, Prof. Oh, Prof. Choi, and Dr. Ji). They unanimously agreed to operate the International Steering Committee (ISC), composed of 3-4 representatives from each country, to plan and adjust future bilateral seminars. They also agreed to make the 20th-anniversary report of what has been accomplished during the last 20 years of collaboration. Each country's committee members must be announced on March 31, 2023. The report was subject to be completed by August 31, 2023.

Japanese participants	Korean participants
<p>Kamada M., Prof., Tokushima Univ. Muto Y., Prof., Tokushima Univ. Takemon Y., Prof., Kyoto Univ.</p> <p>Aie H., graduate student, Tokushima Univ. Endo R., graduate student, Tokushima Univ. Fuji T. graduate student, Kyoto Univ. Igarashi K., Engineer, Yachiyo Engineering Ishida Y., Professor, Setsunan Univ. Kawaguchi Y., Assoc. Prof., Tokushima Univ. Lin Jiaqui, graduate student, Kyoto Univ. Nakamura R., graduate student, Kyoto Univ. Nishimura K., graduate student, Kyoto Univ. Ota N., Assoc. Prof., National Institute of Technology, Anan College Sakaguchi Y., Engineer, Yachiyo Engineering Sato T., graduate student, Tokushima Univ. Takechi H., Engineer, Yachiyo Engineering Tamura T., Assoc. Prof., Tokushima Univ. Tashiro T., Prof., Nagoya Univ. Tsubaki R., Assoc. Prof., Nagoya Univ. Wei Cheng, graduate student, Kyoto Univ. Yixuan Liu, graduate student, Kyoto Univ.</p> <p><i>And more</i></p>	<p>Choi Sung-Uk, Prof., Yonsei Univ. Oh Jong Min, Prof., Kyung Hee Univ. Woo Hyoseop, Prof., Sejong Univ.</p> <p>Bae Inhyeok, graduate student, Univ. of Science and Technology Cho Hemie, graduate student, Sejong Univ. Choi Hun, Researcher, Korea Institute of Civil Engineering and Building Technology (KICT) Choi Seongwook, Ph.D., Yonsei Univ. Choi Suyeon, graduate student, Yonsei Univ. Kang Ho Jeong, Prof., Yonsei Univ. Kang Subin, graduate student, Sejong Univ. Kim Daehyun, Prof., Seoul National Univ. Kim Lee-Hyung, Prof., Kongju National Univ. Lee Chanjoo, Researcher, KICT Un Ji, Researcher, KICT</p>

- At the seminar





- At the field trip





- At the banquet



- With the Korean delegates only



III Future Prospects of the Seminar

- Continuation of the seminar
 - ✓ After the 19th seminar at Tokushima on 23 Feb. 2023, the next step of the binational seminar was discussed among the key members of the Korean and Japanese sides, and they agreed to continue it regularly for another 20 years.

- Management Group
 - ✓ To organize the bilateral seminar more systematically, they also agreed to establish a Management Group, or Steering Group in each country to lead the bilateral seminar activities.
 - ✓ Japanese side
 - Kamada Mahito (Representative, Professor, Tokushima Univ., Ecology)
 - Kawaguchi Yoichi (Associate Professor, Tokushima Univ., Ecology)
 - Tashiro Takashi (Professor, Nagoya Univ., Ecology and Civil Engineering)
 - Tsubaki Ryota (Associate Professor, Nagoya Univ., Civil Engineering)
 - ✓ Korean side
 - Oh Jong-Min (Representative, Professor, Kyung Hee Univ., Water Quality and Ecology)
 - Choi Sung-Uk (Professor, Yonsei Univ., Civil Engineering)
 - Chang Kwang-Hyun (Professor, Kyung Hee Univ., Ecology)
 - Jang Chang-rae (Professor, Korea National Univ. of Transportation, Civil Engineering)