



Asian River Restoration Network

Annual Report 2008



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Message from the Chairperson



The Asian River Restoration Network (ARRN) is going to complete the activities of the second year of the foundation. We'd like to report our activities of this year in the Annual Report 2008 and express our deep gratitude to all people concerned including the members for their support.

As one of the major activities of ARRN in 2008, our report says that two standing committees, the Information Committee and Technical Committee, were established and they started operations. In September 2008, both committees held the first committee meeting in the China Institute of Water Resources and Hydropower Research (IWHR) in Beijing, China. On Nov. 4, the 5th International Forum on Waterfront and Watershed Restoration was held in Tsinghua University in Beijing. This forum was held as a special session of the 4th international conference of the Asia Pacific Association of Hydrology and Water Resources. Because this forum was held as part of the international conference of the 4th APHW, the area of expertise of the attendees seemed widened. They showed a keen interest in habitat conservation, watershed restoration, and water environment conservation in cities. In the past, we held such a forum only in Japan, but we noticed that collaboration with international institutes is important through these activities.

Following the international forum, the 3rd governing council meeting was held at the China Institute of Water Resources and Hydropower Research (IWHR) in the afternoon of the same day. In the meeting, amendment of the charter was discussed because new standing committees were established in 2008. The issues for which a final agreement was not achieved will be discussed next year. Concerning the pending river restoration guideline, it was decided to include the subjects of not only restoration of the natural environment but also urban river restoration and water quality improvement in the guideline. This is because these two abovementioned subjects are big river problems to be solved in large cities in Asia. ARRN announced that it will compile a river restoration guideline for Asia before the 5th World Water Forum. Additionally, it was also confirmed

that each member country is conducting activities smoothly.

As our international activities, we held the ARR N River Environment Symposium at the University of Tokyo in September 2008. Two vice chairmen of the International Association of Hydraulic Engineering and Research were invited to deliver a lecture on recent ecohydraulics and environmental hydraulics. Also, as JRRN became a member of the Network of Asian River Basin Organizations (NARBO), the activities of ARR N are increasing toward genuine internationalization. We are making utmost efforts to obtain international evaluation by improving our website and newsletter and responding to members' requests. We would appreciate your kind understanding and cooperation.

Chairperson of the Asian River Restoration Network (ARRN)

Prof. Nobuyuki TAMAI

Professor, Kanazawa Gakuin University

Professor Emeritus, University of Tokyo

President of International Association of Hydraulic Engineering Research (IAHR)

Message from the Secretary Generals of National RRN

CRRN : China River Restoration Network



Ms. Zhimin MENG

Secretary-General of China River Restoration Network (CRRN)
Senior Advisor on International Affairs, China Institute of Water
Resources and Hydropower Research (IWHR)

It has already been two year since Asian River Restoration Network (ARRN) was established. The 5th International Forum on Waterfront and Watershed Restoration sponsored by ARRN and co-sponsored by China Institute of Water Resources and Hydropower Research was successfully held in Beijing on 4th Nov. 2008 as a special session of 4th APHW Conference. I would like to avail myself of this opportunity to express my sincere gratitude to all who have contributed to the efficient operation of ARRN, and to pay tribute to the ARRN secretary group.

During the process of fast economic development, we were taught to be aware of the ecological and environmental issues. The goal of "basically reining in the degrading trend of ecological environment" has been explicitly stated in the Chinese national developing planning for the 11th Five-Year-Plan period. Based on the long-term planning, China's water sector will pursue its development in a more balanced manner by following integrated water resources management.

In recent years, IWHR has been making active efforts in the theoretical study, technological application and standard setting for river protection and restoration. While at the same time, IWHR has also been promoting international cooperation and communication in the fields of river protection and restoration, sending out experts to attend various international conferences and important water events, such as World Water Forum, and has achieved satisfactory results.

Asian River Restoration Network provides a golden platform for sharing the latest information, good practice and promoting mutual understanding, and cooperation among experts and scholars from all over the world. It is our firm belief that ARRN will contribute to the sustainable development of Asian rivers and thereby contribute to the wellbeing of human beings and our rivers. We are sharing the same world.

KRRN : Korea River Restoration Network



Dr. Hyoseop WOO

Secretary-General of Korea River Restoration Network (KRRN)
Korea Institute of Construction Technology (KICT)

Two years have passed since Asian River Restoration Network (ARRN) was organized by the leadership of Prof. Nobuyuki Tamai and some others in Japan. Recently, we had the third governing council meeting at China Institute of Water Resources and Hydropower (IWHR), which means ARRN has been well established and performed as expected.

In 2008, Korea River Restoration Network (KRRN) had a few activities including the 4th International Workshop on River Environment (June 2~4, 2008, Ilsan) and the 6th Annual Joint Seminar between Korea and Japan on Ecology and Civil Engineering (August 18 ~ 19, 2008; Jinju), both of which were strongly supported by KRRN and myself. Also, in 2008 KRRN launched two special committees, as directed by ARRN. They are Information Committee which Dr. Hong Koo Yeo in KICT leads and Technical Committee which Dr. Kyu-Chang Oh in Dongbu Engineering Co. leads.

In Korea, on-coming years will be a golden days for river restoration. The Government of Korea has launched about ten billion US dollar river restoration projects in January of 2009. The four major rivers, including the Han River and Nakdong River, are the targets of large-scale river restoration focusing the enhancement of aesthetic values of the river in urban areas and restoration of flood conveyance and ecological integrity of the river in suburban and mountainous areas. In addition, several new dams will be built for storing water and control floods in along with that about 100 existing agricultural-purpose dams will be reinforced to enlarge their storage capacity, which is essential to releasing environmental flows downstream. The project will end in 2014. In planning and designing the project, specialists from KRRN as well as various sectors of academia and practice are being involved.

Finally, KRRN will more actively work in 2009 after its organizational base is shifted from KICT to KRA (Koreas River Association), which is more restoration-oriented non-profit organization in Korea. We firmly believe that KRRN will contribute to the sustainable development of the Asian rivers as well as the Korean ones and thereby contribute to the wellbeing of people living with the rivers.

JRRN : Japan River Restoration Network



Dr. Junzo SAGO

Secretary-General of ARRN

Secretary-General of Japan River Restoration Network (JRRN)

Director of Technical Coordination & Cooperation Division

Foundation for Riverfront Improvement and Restoration (RFC)

Since the foundation of ARRN and JRRN, two years have passed. Although the number of staffers of the JRRN secretariat is limited, we acted positively to improve our website and send newsmails and newsletters constantly. As a result, the number of members is increasing steadily.

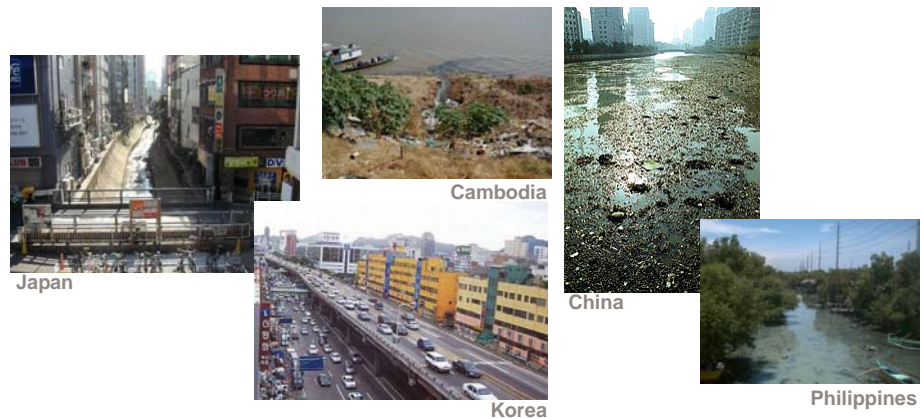
In the future, we want to provide members with sufficient information through the newsmails and the newsletters and improve network activities toward the positive exchange of information among members. For this purpose, it is necessary to further increase the number of members.

It was decided that JRRN will continuously conduct the secretarial work for ARRN. We will make an effort to exchange information among ARRN members under the instruction of the chairperson, Prof. Tamai, in cooperation with the China Institute of Water Resources and Hydropower Research (IWHR) and the Korea Institute of Construction Technology (KICT) so that ARRN can be further developed and contribute to river restoration in Asia. Your support and cooperation would be highly appreciated.



Establishment Ceremony of ARRN (November 9, 2006, Tokyo JAPAN)

About ARRN



Background of ARRN Establishment

Besides the object of flood control and water use, primarily rivers support human life as a resource for agriculture, fishery, and navigation, forming the core of social life and productive activities. However, as the population concentrated along rivers in high economic growth, the purification capacity of rivers was impaired. Consequently, water quality worsened, and the river environment, history and culture were lost. In many regions in Asia, similar social problems have surfaced recently.

Meanwhile, in Europe and America, advanced approaches have been taken to restore original properties of rivers such as the ecosystem and purifying capacity. Also in Asia, many reports start to arrive on the cases of restoring river functions to regenerate river environment where new values in rivers can be found. As such situations go on, some open organization needs to be established around for Asian regions which have similar climate and topography, for the purpose of exchanging information, methods, publications, and academic experts related to river/watershed restoration, and of mutually brewing technologies to restore and preserve high-quality environment.

In the "River Restoration in Asian Monsoon Region" session cosponsored by three countries of China, Korea, and Japan that was held in the 4th World Water Forum in Mexico City in March 2006, the necessity of cooperation among Asian countries was emphasized, and it was recommended that a network and a database should be established to exchange information on river/watershed restoration, and that a technical guideline specifically suitable for the Asian monsoon region should be developed. As a response to this recommendation, the "3rd International Forum on Waterfront and Watershed Restoration" was held in Tokyo in November 2006, and "Asian River Restoration Network (ARRN) " was formally established by concerned organizations of China, Korea and Japan.

Objectives

ARRN aims to contribute to the creation of rich Asian water environment for the following two purposes as a non political organization.

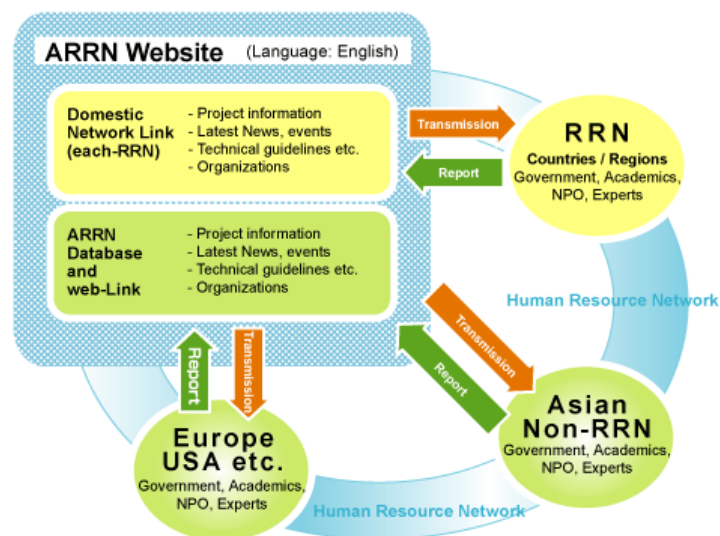
- To establish a mechanism to exchange and share case studies, information, technologies, and experiences related to river/waterfront restoration in the world and in the Asian countries, with engineers, researchers, ecologists, government officials and citizens through events and websites.
- To establish a river/watershed restoration guideline that can be utilized in the Asian monsoon area with similar social and natural environment, and improve knowledge and skills of network participants.



Activities

ARRN carries out following activities to achieve the above-mentioned objectives.

- Holds international forums and workshops with agendum of river/watershed.
- Publicize information related to waterfront restoration through websites and news letters.
- Prepares and distributes guidelines related to river/watershed restoration.
- Assists plans to dispatch lecturers and experts, and site tours among networks in counties and regions.
- Carries out activities of survey/researches, publication, public relations related to river environment.



Outline of ARRN information exchange

Main Activities in 2008

Summary of Activities (November 2007 through October 2008)

Year	Date	Type of activity	Activities	Place
2007	Nov. 29	Information exchange/public relations	Discussion with personnel from Dongducheon City, Korea	Japan (Tokyo)
	Nov. 30	Event Holding	The 4th International Forum on Waterfront and Watershed Restoration	Japan (Tokyo)
	Dec. 1	Meeting	2nd ARRN Governing Council	Japan (Tokyo)
	Dec. 2 – 3	Event Holding	Attending APWS (Oita) as a co-sponsor of open session	Japan(Oita)
	Dec. 7	Information exchange/public relations	Discussion with Korean inspection team on publicizing river-related information	Japan (Tokyo)
	Dec. 11	Reporting	ARRN Annual Report 2007 uploaded onto website	-
2008	Jan. 9	Information exchange/public relations	Discussion with Secretariat of NARBO (Network of Asian River Basin Organization)	Japan (Tokyo)
	Jan. 9	Information exchange/public relations	Discussion with Secretariat of PEMSEA (Partnerships in Environmental Management for the Sea of East Asia)	Japan (Tokyo)
	Feb. 20 - 22	Information exchange/public relations	Attending General assembly of The 3rd NARBO	Indonesia (Solo)
	May 28	Information exchange/public relations	Discussion with the Center for Aquatic Ecosystem Restoration, Korea	Japan (Tokyo)
	Jun. 4 – 8	Information exchange/public relations	Supporting delegates from Korea River Association	Japan (Ishikawa)
	Jun. 26	Information exchange/public relations	Discussion with Dr. Ulrica Åberg, the researcher at School of the Environment, University of Leeds, U.K.	Japan (Tokyo)
	Jul. 15	Information exchange/public relations	Discussion with Civil Meeting to Create Healthy Dorimcheon, Korea	Japan (Tokyo)
	Jul. 31	Reporting	1st issue of ARRN News letter Vol. 1	-
	Sep. 16	Event Holding	ARRN River Environment Lecture Presentation Introduction of Latest Studies on Environmental Hydraulic Engineering and Research	Japan (Tokyo)
	Sep. 24	Meeting	1st ARRN Information Committee	China(Beijing)
	Sep. 24	Meeting	1st ARRN Technical Committee	China(Beijing)
	Nov. 4	Event Holding	The 5th International Forum on Waterfront and Watershed Restoration	China(Beijing)
	Nov. 4	Meeting	The 3rd ARRN Governing Council	China(Beijing)
	Nov. 5	Information exchange/public relations	Attending the 4th APHW International Conference	China(Beijing)



4th ARRN
International Forum



3rd NARBO General
Assembly



ARRN River Environment
Seminar



Delegates of Korea River
Association



1st ARRN Technical Committee

International Forum / Workshop

The 4th International Forum on Waterfront and Watershed Restoration (November 30, 2007, Tokyo JAPAN)

On November 30, 2007, the ARRN-sponsored 4th International Forum on Waterfront and Watershed Restoration was held with a number of people attended. In the 4th Forum which focused on urban development and waterfront restoration, key note lecture was presented with the topic of restoration of Sumida River, followed by presentations introducing river restoration examples in Korea, China, Thailand and UK. In the general discussion held later, various opinions were exchanged over the subject of Urban River Restoration for Sustainable Development.

第4回 水辺・流域再生にかかわる国際フォーラム (2007.11)
「街づくりと河川の保全・再生」
~ アジア河川・流域再生ネットワーク (ARRN) ~

The 4th International Forum on Waterfront and Watershed Restoration
「Urban River Restoration for Sustainable Development」 (November, 2007)
~ Asian River Restoration Network (ARRN) ~

日 時 : 2007年11月30日 (金) 13:00~17:00
会 場 : 全日本学生協議会 (山手 東京都千代田区千代田 2-4-2)
主 催 : アジア河川・流域再生ネットワーク (財団法人リバーフロント整備センター)
後 援 : 国土交通省 (MLIT), 東京都建設局, 中国水利水電科学研究所 (WHIR), 韓国建設技術研究所 (KICT), 応用生態工学協会 (ECS), (財)建設コンサルタンツ協会 (JCCA), 日本水フォーラム (JWF)

Date/Time : November 30th 2007, Friday, 13:00-17:00
Venue : Zenkoku Toshi Kaikan (2F) Address: 2-4-2 Hiraikawa-cho, Chiyoda-ku, Tokyo
Organizer : Asian River Restoration Network (Foundation for Riverfront Improvement and Restoration)
Supporters : Ministry of Land, Infrastructure and Transport (MLIT), Bureau of construction TOKYO METROPOLITAN GOVERNMENT, China Institute of Water Resources and Hydropower Research (IWHR), Korea Institute of Construction Technology (KICT), Ecology and Civil Engineering Society (ECS), Japan Civil Engineering Consultants Association (JCCA), Japan Water Forum (JWF)

「水辺・流域再生にかかわる国際フォーラム」は河川整備基金の助成を受けて実施します。
また、本フォーラムは、土木学会継続教育 (CPD) 制度のプログラムとして認定されています。

The 4th International Forum on Waterfront and Watershed Restoration
Urban River Restoration for Sustainable Development (November, 2007)
~ Asian River Restoration Network (ARRN) ~

Currently, many activities and research on waterfront and watershed restoration are being implemented around the world. Exchanging information and sharing knowledge, not only on a national level but also among countries, is especially beneficial for carrying out such activities more efficiently and effectively. Asian River Restoration Network (ARRN) was established in November 2006 led by China, Korea and Japan in accordance with the recommendations made by the 'Nature Restoration Subcommittee' at the 4th World Water Forum. The 4th International Forum on Waterfront and Watershed Restoration focuses on urban river restoration for sustainable development' and lecturers from ARRN members and invited countries introduce river restoration projects based on their experience and achievement.

■Opening
13:00~13:05 Opening address
Dr. Koutarou Takemura, President, Foundation for Riverfront Improvement and Restoration
13:05~13:10 Guest address
Mr. Akimasa Nakajima, Chief, River Environment Division, River Bureau, Ministry of Land Infrastructure and Transportation, Japan

■Keynote address
13:10~13:40 River Rehabilitation with a focus on the Sumida River
Mr. Shuichi Nagashima, Chief, Planning Division, River Department, Bureau of Construction, Tokyo Metropolitan Government

■Case Study
13:40~14:10 Case Study 1: River Restoration Projects in Korea
Mr. Sukhyun Kim [Korea] Director, River Planning Division, Ministry of Construction & Transportation
14:10~14:40 Case Study 2: The Eco-hydrological Studies on The "Four Major Chinese Carps" Spawning Habitat Restoration for Yangtze River
Dr. Wen Gen Liao [China] Deputy Director, Department of Water Environment, China Institute of Water Resources and Hydropower Research
14:40~15:10 Case Study 3: National Policy on Water Resources Restoration in Thailand
Mr. Surapol Pattanee [Thailand] Director, Bureau of Water Resources Policy and Planning, Department of Water Resources, Ministry of Natural Resources and Environment
15:10~15:40 Case Study 4: Current activities of Europe's information exchange networks and river policies
Mr. Martin Janes [UK] Manager, River Restoration Centre [Break 15:40~15:50]

■General Discussion
15:50~17:00 General Discussion 'Urban river restoration for sustainable development.'
Coordinator: Prof. Nobuyuki Tamai, Chairperson of the ARRN, Professor, Graduate School of Business Administration and Information Science, Kanazawa Gakuin University, Professor Emeritus, The University of Tokyo

Panelists:
Mr. Sukhyun Kim [Korea] Director, River Planning Division, Ministry of Construction & Transportation
Dr. Wen Gen Liao [China] Deputy Director, Department of Water Environment, China Institute of Water Resources and Hydropower Research
Mr. Shuichi Nagashima [Japan] Chief, Planning Division, River Department, Bureau of Construction, Tokyo Metropolitan Government
Mr. Surapol Pattanee [Tha] Director, Bureau of Water Resources Policy and Planning, Department of Water Resources, Ministry of Natural Resources and Environment
Mr. Martin Janes [UK] Manager, River Restoration Centre

■Closing
17:00 Closing

Handout of the 4th International Forum



Lecture



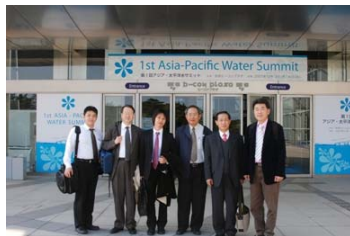
Reception



Memorial photograph

The 1st Asia/Pacific Water Summit, Open Session (December 4, 2007, Beppu JAPAN)

The 1st Asia-Pacific Water Summit was held on December 3-4, 2007 in Beppu, Oita. Symposium on River Environment and Water Resources was held on December 2, attended by Mr. Sukhyun Kim, Director of River Planning Division, Ministry of Construction & Transportation, Korea, as a panelist. Mr. Sukhyun was also acted as the lecturer for the ARRN 4th International Forum. On December 4, the session "Water for Development and Ecosystems: Experiences in Japan and their Applicability to the Asia-Pacific Region" was held, and the ARRN Secretariat personnel attended as a co-sponsor. Then, Dr. Kim Chang-Wan from Korea Institute of Construction Technology who also acts as the KRRN Secretariat gave a lecture, in which examples of river restoration in Korea was presented and activities of ARRN were introduced.



The 1st Asia-Pacific Water Summit

ARRN River Environment Seminar - Introduction of Latest Studies on Environmental Hydraulic Engineering and Research (September 16, 2008, Tokyo JAPAN)

On September 16, 2008, ARRN-sponsored River Environment Seminar "Introduction of Latest Studies on Environmental Hydraulic Engineering and Research" was held, and the latest technologies related to river restoration and water environment improvement were introduced by two guest specialists in the fields of ecological environment engineering and environmental hydraulic engineering.

- Facilitator: Chairperson of ARRN, Prof. Nobuyuki Tamai
- Lecturers: IAHR Vice Chairpersons, Mr. Peter Goodwin and Mr. Joseph Lee



Lecture (at University of Tokyo)

Website / Newsletters

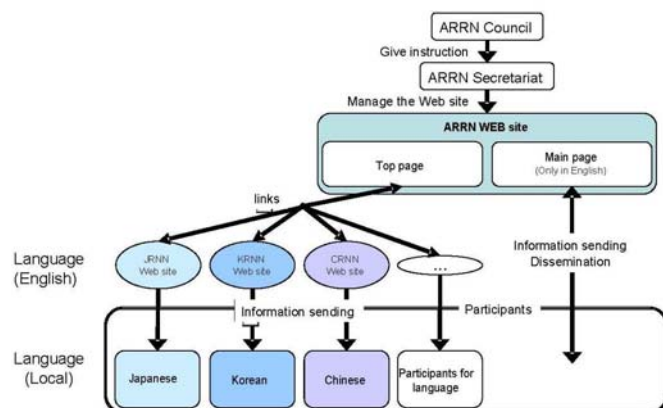
ARRN Website

ARRN website is a useful means to exchange and share various information on river restoration among its members, and the trial versions is opened to the public currently. ARRN website will have been renewed by June 2009, making available of database functions for past event information and guidelines. Basic structure of ARRN website is as shown in the following figure. RRN websites as each national network will be continually expanded in the effort to provide web environment in both local language and English.

⇒ ARRN Home Page (<http://www.a-r-r.net/>)



ARRN home page



Basic structure of ARRN website

ARRN Newsletters

Starting from July 2008, English ARRN newsletter is delivered once in three months. This works as a useful means to share ARRN activities among those concerned. From then onward, ARRN Secretariat is responsible for collecting articles posted from ARRN or RRN members and for publicizing them in the newsletters.

Back issues can be downloaded from the website. For details, please see URL below.



Back number URL: <http://www.a-r-r.net/jp/en/arn/letter/newsletter/>

Formulating a Guideline on River / Watershed Restoration

At the nature restoration session in The 4th World Water Forum, necessity to develop an international network and to formulate a draft river restoration guideline was proposed. In response to this, formulating a draft guideline for river/watershed restoration in Asian region is being positioned as an important role of ARRN, who is currently working on this task.

In 2008 onward, ARRN Technical Committee consisting of experts from three countries of China, Korea and Japan will have regular discussions on formulation of the guideline. Such results will be made to the public periodically.

- Target people: Those engaged in river/watershed restoration in Asian countries.
- Content: Based on the guideline established in the session on Nature Restoration at the 3rd World Water Forum in March 2003, ARRN expands the content by incorporating viewpoints and case introductions of urban river restoration as a specific feature of Asia.
- Structure: ARRN Secretariat incorporates and summarizes the results of discussion of ARRN Technical Committee consisting of experts from China, Korea and Japan.
- Others: Progress of guideline formulation will be posted on ARRN website. Interim report will be publicized proactively on the occasion of the World Water Forum and such.

As a basis of formulating the guideline, ARRN has collected existing guidelines on river restoration to reach about 70 kinds. ARRN Secretariat will improve the web environment in order that these existing guidelines can be accessed.

URL for the guideline: <http://www.a-rr.net/jp/book/guideline/index.html>



Publications top page

Governing Council

ARRN Charter (See ARRN website) provides that policies for actions shall be decided by the Governing Council consisting of representatives from each national RRN. Such a meeting is normally held once annually to coincide with the ARRN International Forum.

2nd ARRN Governing Council (December 1, 2007, Tokyo JAPAN)

The 2nd ARRN Governing Council meeting was held on December 1, 2007 in Tokyo. Members were first briefed on the Annual Report 2007 that documented activities for 1 year since the establishment of ARRN. In the discussion conducted in the latter half of the meeting, members reviewed and exchanged opinions on issues including the organizational structure, future activities for the coming year, and the secretariat for the next term.

■ Participants

(Chair)

Prof. Nobuyuki Tamai ARRN Chairperson

(Members)

Dr. Xiaogang Wang	Vice President, China Institute of Water Resources and Hydropower Research, Ministry of Water Resources
Dr. Wengen Liao	Deputy Director, Department of Water Environment, China Institute of Water Resources and Hydropower Research, Ministry of Water Resources
Dr. Kook-il Kim	President, Korea River Association
Dr. Chang-Wan Kim	Research Fellow, River and Coast Research Division Korea Institute of Construction Technology
Dr. Takashi Sunakawa	Executive Director, Foundation for Riverfront Improvement and Restoration
Dr. Junzo Sago	Director, Technical Coordination & Cooperation Division Foundation for Riverfront Improvement and Restoration
Dr. Kazumasa Ito	Senior Counselor, Technical Coordination & Cooperation Division Foundation for Riverfront Improvement and Restoration

(Observers)

Mr. Sukhyun Kim	Director, River Planning Division, Ministry of Construction & Transportation, Korea
Mr. Martin Janes	Manager, River Restoration Centre, U. K.
Mr. Surapol Pattanee	Director, Bureau of Water Resources Policy and Planning, Department of Water Resources, Ministry of Natural Resources and Environment



Governing Council meeting (December 1, 2007, Tokyo JAPAN)

Standing Committees

At the 2nd ARRN Governing Council held in December 2007, the decision was made to establish two standing committees namely, the Information Committee for discussing ARRN future activities and means to circulate information, and the Technical Committee for discussing required expertise for ARRN and the Asian version guideline. Subsequently, one member for each committee was selected from each of the three countries constituting the ARRN Governing Council, and the ARRN Information Committee and the ARRN Technical Committee were established in July 2008.

Members of ARRN Information Committee	Members of ARRN Technical Committee
-China-RRN: Prof. Wengen Liao (China Institute of Water Resources and Hydropower Research, Ministry of Water Resources)	-China-RRN: Prof. Hao Wang (China Institute of Water Resources and Hydropower Research, Ministry of Water Resources)
-Korea-RRN: Dr. Hong Koo Yeo (Korea Institute of Construction Technology)	-Korea-RRN: Dr. Kyu Chang Oh (Dongbu Engineering Co., Ltd.)
-Japan-RRN: Dr. Kazumasa Ito (Foundation for Riverfront Improvement and Restoration)	-Japan-RRN: Dr. Keigo Nakamura (Public Works Research Institute)

1st ARRN Information Committee (September 24, 2008, Beijing CHINA)

The 1st ARRN Information Committee was held at the China Institute of Water Resources and Hydropower Research, Ministry of Water Resources in Beijing, China, on September 24, 2008, AM.

The issues discussed in this committee include; policies for future actions of ARRN; means to exchange information on river restoration among ARRN members; and how to facilitate each country's network (RRN). The results were incorporated into the agenda of the 3rd ARRN Governing Council meeting held in November 2008 in which the action policy of ARRN was discussed.

■ Participants

(Members)

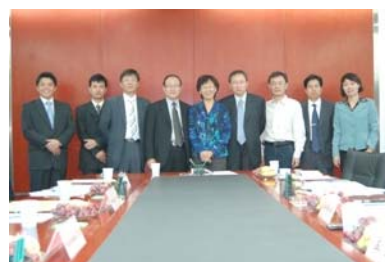
- Dr. Wengen Liao (Deputy Director, Department of Water Environment, China Institute of Water Resources and Hydropower Research (IWHR), Ministry of Water Resources)
- Dr. Hong Koo Yeo (Senior Researcher, Korea Institute of Construction Technology (KICT))
- Dr. Kazumasa Ito (Senior Counselor, Foundation for Riverfront Improvement and Restoration (RFC))

(ARRN Secretariat)

Mr. Akira Wada, Mr. Masafumi Ito (Foundation for Riverfront Improvement and Restoration (RFC))

(Observers)

Ms. Zhimin Meng (Secretary-General of China River Restoration Network (CRRN), Senior Advisor on International Affairs, IIWHR), Ministry of Water Resources, Former Manager of International Division, Ministry of Water Resources) Dr. Jing Peng (Director, IWHR Division of International Cooperation), Dr. Dongya Sun (IWHR Research Center on Flood and Drought Disaster Reduction), Ms. Iris Zhou (IWHR Division of International Cooperation), Dr. Kyu Chang Oh (Director, Dongbu Engineering Co., Ltd, Korea)



Information Committee

1st ARR Technical Committee (September 24, 2008, Beijing CHINA)

The 1st ARR Technical Committee was held also at the China Institute of Water Resources and Hydropower Research, Ministry of Water Resources in Beijing, China, on September 24, 2008, PM.

The issues discussed in this committee include; technical information in the field of river environment that should be shared among ARR; and the framework of the guideline for river restoration in Asia that is to be established as an achievement of the objective of ARR. Based on the results of this discussion, ARR Secretariat will start working on formulation of the guideline while further reflecting the results of future discussions among China, Korea, and Japan.

■ Participants

(Members)

- | | |
|------------------|---|
| Dr. Yangwen Jia | (By proxy: Department of Water Resources, China Institute of Water Resources and Hydropower Research (IWHR), Ministry of Water Resources) |
| Dr. Kyu Chang Oh | (Director, Dongbu Engineering Co., Ltd, Korea) |
| Dr. Kazumasa Ito | (By proxy: Senior Counselor, Foundation for Riverfront Improvement and Restoration) |

(ARRN Secretariat)

Mr. Masafumi Ito, Mr. Akira Wada (Foundation for Riverfront Improvement and Restoration (RFC))

(Observers)

Dr. Zheren Dong (GWP Chinese Representative, IWHR Senior Advisor), Dr. Jing Peng (Director, IWHR Division of International Cooperation), Dr. Dongya Sun (IWHR Research Center on Flood and Drought Disaster Reduction), Ms Iris Zhou (IWHR Division of International Cooperation), Dr. Hong Koo Yeo (Senior Researcher, Korea Institute of Construction Technology (KICT))



Technical Committee

International Exchange / Public Relations Activities

With the aim to increase members in Asia by promoting ARRN activities extensively, PR activities of ARRN are continued through international meetings, academic activities and information exchange with relevant organizations related to rivers.

Information exchange on river restoration experience with concerned personnel from Dongducheon City, Korea (November 29, 2007, Tokyo, JAPAN)



On November 29, 2007, delegates from Dongducheon City, Korea arrived to visit river restoration sites in Japan. In the discussion on river restoration, ARRN/JRRN Secretariat introduced actions taken to improve river environment in Japan and described outline of ARRN activities, and the delegates explained needs of river restoration at the municipal level in Korea.

Information exchange on signing on rivers and means to inform the public with Korean delegates (December 17, 2007, Tokyo, JAPAN)



On December 17, 2007, experts from Korea Institute of Construction Technology (KICT) and Korean Federation of Water Groups visited Japan and made discussions with ARRN Secretariat on use of signing on rivers and means to inform the public. The Secretariat also introduced ARRN activities.

Information exchange with the NARBO Secretariat (January 9, 2008, Tokyo, JAPAN)



On January 9, 2008, ARRN/JRRN Secretariat and the Secretariat of NARBO (Network of Asian River Basin Organization) had a meeting to exchange opinions. NARBO is an international network established in 2004 with the objective of promoting integrated water resources management (IWRM). ARRN expects cooperation with NARBO will further be enhanced in the field of water environment restoration.

Information exchange with the Secretariat of PEMSEA (January 9, 2008, Tokyo, JAPAN)



On January 9, 2008, ARRN/JRRN Secretariat and the Secretariat of PEMSEA (Partnerships in Environmental Management for the Seas of East Asia) had a meeting to exchange opinions. PEMSEA is an

international organization that carries out projects financed by the world largest environmental fund GEF under the control of the United Nations Development Plan (UNDP). PEMSEA provides technical assistance and expertise for projects conducted in East Asia. Future cooperation between ARRN and PEMSEA is expected as coastal management cannot be separated from inland watershed management.

Attending the 3rd NARBO General Assembly (February 22, 2008, Solo, INDONESIA)

On February 22, 2008, General Assembly of the 3rd NARBO (Network of Asian River Basin Organization) was held in Surakarta, Indonesia, in which JRRN became a member of NARBO. Activities of ARRN were introduced in the Workshop held concurrently with the General Assembly.



General Assembly of NARBO

Information exchange with the Center for Aquatic Ecosystem Restoration, Korea (May 28, 2008, Tokyo, JAPAN)



On May 28, 2008, delegates from the Center for Aquatic Ecosystem Restoration visited Japan. ARRN Secretariat and delegates exchanged opinions on Japanese political measures, researches, and projects related to river restoration.

The Center for Aquatic Ecosystem Restoration was established by the Korean Ministry of Environment in November 2007. The Center plans to carry out 16 projects related to water environment restoration by 2014, each implemented by a joint-venture team consisting of a university and a private company selected from an open competition. It is expected that there will be further information exchange between the Center for Aquatic Ecosystem Restoration and ARRN in the field of river restoration.

Assisting delegates from Korea River Association (June 4, 2008, Ishikawa, JAPAN)

From 4 - 8 June, 2008, 41 members of delegation from the Korea River Association visited Japan to learn rivers and watersheds in Ishikawa Prefecture and surrounding Hokuriku region. ARRN Secretariat coordinated with concerned organizations on the Japanese side (such as Kaga City Government, Civil Engineering Division of Ishikawa Prefecture Government, Komatsu/Kaga Water Village Restoration Committee, Hokuriku Ecology and Civil Engineering Society, etc.), and Prof. Tamai, the chairperson of ARRN, joined the tour to the Sai River that flows through Kanazawa City. The study tour to restoration sites on rivers and water villages in Hokuriku region was a success in consolidating Korea-Japan relations in the field of river environment restoration.



Study tour in Hokuriku

Information exchange with Dr. Ulrica Åberg, the researcher from the School of Environment, University of Leeds, UK (June 26, 2008, Tokyo, JAPAN)



On June 26, 2008, ARRN Secretariat had a meeting with Dr. Ulrica Åberg, the researcher of the School of Environment, University of Leeds, UK. As a part of his research to compare river restoration projects between Japan and Europe, Dr. Ulrica Åberg conducted field studies to collect examples and information during her short stay in Japan. ARRN Secretariat provided information regarding historical development of Japanese river environment administration, representative measures and examples, procedures for river restoration projects, and evaluation of the projects implemented in the past. She in turn explained current situations regarding river restoration in UK.

Information exchange with "Citizen's Group to Create Healthy Dorimcheon", Korea (July 15, 2008, Tokyo, JAPAN)

14 members including the representative of "Citizen's Group to Create Healthy Dorimcheon" visited Japan and exchanged information with ARRN Secretariat. "Citizen's Group to Create Healthy Dorimcheon" was established in 1999 and has expanded its members as much as 300. The objectives of its activities are to protect the environment of Dorimcheon basin and Gwanak-gu area with support of local citizens, and to pursue sustainable society and co-existence of nature and mankind for the betterment of people's lives. In the discussion, ARRN Secretariat introduced historical development of Japanese river environment administration, current projects for river restoration, and proactive efforts made by citizens including children towards restoring rivers. The Dorimcheon NPO in turn introduced activities carried out by children and then both parties vigorously exchanged information.



Information-exchange meeting and memorial photo

Activity Reports of National Networks in 2008

CRRN: China River Restoration Network

CRRN Website

CRRN has registered a website <http://www.crrn.asia>. This website is under construction and will be in operation next year. State of the arts in Chinese river restoration, esp. the technical progresses in these aspects will be introduced and generalized on this Website.

Ongoing Research Project

Decision Support System for Adaptive Management of River Restoration Project

The Ministry of Water Resources has authorized and supplied financial supports for the research topic on Decision Support System for Adaptive Management of River Restoration Project. This project is being undertaken by China Institute of Water Resources and Hydropower Research. Main tasks in this project include the establishment of fundamental database, knowledge database, model database, application technology development of WebGis platform and the integration of different models. These models will include physical-chemical assessment model, hydrological assessment model, biological assessment model, habitat assessment model, and socioeconomic and ecological holistic assessment model. Based on these achievements, technical supports will be carried for the planning, implementation and evaluation of river restoration project.

Chinese Guideline for river restoration

On the basis of current situations in China and state of the arts in river restoration, Chinese guideline for river restoration is under compilation in order to guide river restoration practices around different areas of China. Besides Chinese achievements in river restoration, advanced technologies and experiences of foreign countries are referred such as Japan, Korea, USA, UK, Australia, etc. The contents of the guideline include investigation, planning, design, monitoring, assessment and management. This guideline will be a great help to promote Chinese practices in a scientific and reasonable way.

Awarded Project

The research project, titled Theory Research and Demonstration Projects of River Restoration in China, got the first grade award of Dayu Award on Progress in Hydraulic Science and Technology issued by the Ministry of Water Resources this year. This project is fulfilled by China Institute of Water Resources and Hydropower Research, Department of Water Resources of Zhejiang Province and Department of Water Affairs of Shenzhen City. Main contents of this project include the following seven aspects.

- Ecological influence and mechanism analysis of hydraulic and hydroelectric projects.
- Planning and evaluation of river ecological restoration projects.
- Ecological hydraulics for the evaluation of river training works.
- Restoration techniques of river corridors.
- Reservoir re-operation technologies for downstream ecological benefits.
- Ecological technologies to treat polluted water bodies.
- Construction and evaluation of 5 demonstration projects.

Technical Symposiums

The Ministry of Water Resources of P.R. China held a Symposium on River Restoration in Hangzhou City on Oct.24-25 of 2005. General information and technical papers can be found or downloaded at <http://www.cws.net.cn/zt/2005hst/>.

Advanced Symposium on Water Pollution and River Restoration was held from July 18 to 22 of 2008 in Guangzhou city sponsored by China Society of Environmental Sciences. General information can be found at http://www.chinacses.org/CN/News/2008-07/EnableSite_ReadNews93824541216224000.html

The 1st symposium on river restoration in China sponsored by China River Restoration Center of Beijing Normal University was held on 24-26 Oct 2008 in Beijing. General information can be found at <http://www.china-river.org/contacts.asp>.

The 8th environmental and eco-hydraulics conference in China sponsored by China Hydraulic Engineering Society was held in Anshun city during Sept.20-22, 2008. General information can be found at http://www.chinawater.com.cn/newscenter/kx/200809/t20080925_230711.htm

Symposium on Water and Soil Conservation and River Restoration in China will be held on 23-25 Dec. 2008 in Kunming City of China. Symposium announcement can be found at http://chinawater.org.cn/news/sel_onews.do?id=6045.

KRRN: Korea River Restoration Network

About KRRN

Korea River Restoration Network (KRRN), as a liaison organization of ARRN, brings circulation of useful information on river and waterfront restoration and assists personal exchange in Korea, and contributes to development of suitable river restoration technology and a mechanism for each region.

Major Activities in 2008

The 4th International Workshop on River Environment (June 2~4, 2008, Ilsan KOREA)



From the 2nd to the 4th of June 2008, the 4th International Workshop on River Environment was held in the Korea Institute of Construction Technology, Ilsan with a support of KRRN. Under the theme of "Prospects for the River Restoration Technique Harmonizing with Flood Control and River Environment", the invited specialists were presented about river restoration of his or her country. On the group meetings between researchers of Korea and invited specialists, they had in-depth discussions on river restoration in Korea. Some researchers of Korea and the invited specialists visited some river restoration sites of Yangjae-cheon, Gyeongang-cheon, and Cheonggye-cheon. They held a discussion on river restoration in urban area.

Invited specialists from abroad: Dr. Thomas Byron Hardy (USA), Dr. Keigo Nakamura (Japan), Mr. Bruno Schelbert (Switzerland), and Dr. Wilfried ten Brinke (The Netherlands).

The 6th Annual Joint Seminar between Korea and Japan on Ecology and Civil Engineering (August 18 ~ 19, 2008; Jinju KOREA)



From the 18th to the 19th of October 2008, the 6th Annual Joint Seminar between Korea and Japan on Ecology and Civil Engineering was held in Jinju National University, Jinju City with a support of KRRN. Under the theme of

"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", there were 11 oral presentations and 19 poster presentations from Korea and Japan. Participants in the seminar visited some river restoration sites of Youngcheon River, the Eori Marsh in Jugyo-cheon, and so on.



Before (far left) and after (middle) construction of Eori Marsh visited by participants

News of KRRN

By the guidance of ARR in 2008, KRRN launched two committees. One is Information Committee which Dr. Hong Koo Yeo (KICT) leads and the other is Technical Committee which Dr. Kyu-Chang Oh (Dongbu Eng. Co) leads. They surveyed various technical manuals on river restoration in Korea and introduced them to ARR.

Representative organization of KRRN has been changed from KICT (Korea Institute of Construction Technology) to KRA (Korea River Association). KRA (<http://www.riverlove.or.kr>) is the most relevantly associated with river in Korea. President of KRA is Dr. Kugil Kim. It was established in 2004, and now has members of about 1,000, and 13 technical and administrative committees including River Environment Committee. KRRN will work in KRA as a special committee. Secretary-General of KRRN has also been changed from Dr. Hyoseop Woo to Dr. Changwan Kim (both of them work in KICT), who worked as a secretary in KRRN.



JRRN: Japan River Restoration Network

About JRRN

Japan River Restoration Network (JRRN), as a liaison organization of ARR in Japan, brings circulation of useful information on river/watershed restoration and assists personnel exchange in Japan, and contributes to development of suitable river restoration technology and a mechanism for each region while enlarging the network.

■ Principle of JRRN activities

“To resume vitality of Japan through waterfront restoration”

To contribute for the creation of healthy rivers, people, regions, and society and to succeed rich water environment to the next generation while revitalizing the relationship between human and water.

■ Visions of JRRN activities

■ Network Expansion

We increase the number of people who are interested in river/watershed restoration. In addition, we establish a mechanism so that individuals, civil groups, and private firms are able to participate in restoration projects other than officials and personnel who played a pivotal role in such projects.

■ Information Circulation

We establish a mechanism in which participants provide information on river /watershed restoration and such information are equally distributed to those who need it. We also establish a mechanism to accumulate circulated information in a systematical manner.

■ Community Establishment

We develop personal relations within river/watershed restoration community aiming for free exchange of individuals and organizations. We also create opportunities for people in any field to participate in the network to facilitate collaboration in river/watershed restoration.

■Event Planning/Holding

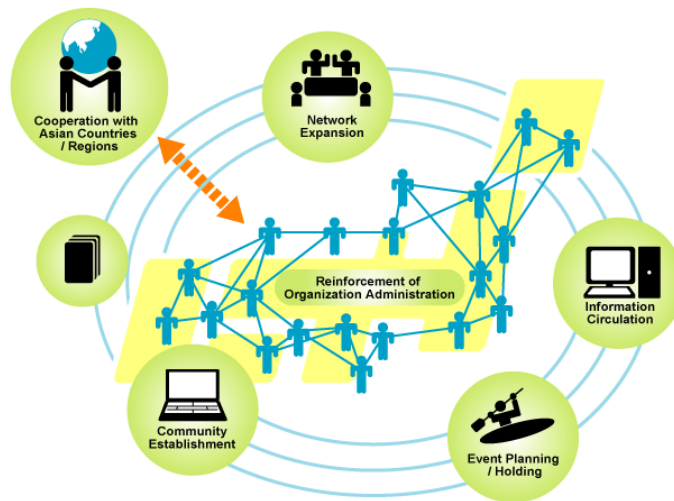
We plan various events to raise awareness and recognition of river/watershed restoration among public. We also take these opportunities to expand JRRN activities.

■Cooperation with Asian Countries

As a liaison organization of ARRN, we strengthen coordination with countries in the Asia monsoon region including China and Korea and create a mechanism for mutually sharing information on river/watershed restoration as well as issues/solutions related to network management in each country.

■Reinforcement of Organization Administration

We aim to make this organization highly transparent and reliable by consolidating organizational structure and action plans so that actions towards river/watershed restoration can be taken smoothly in line with our principle.



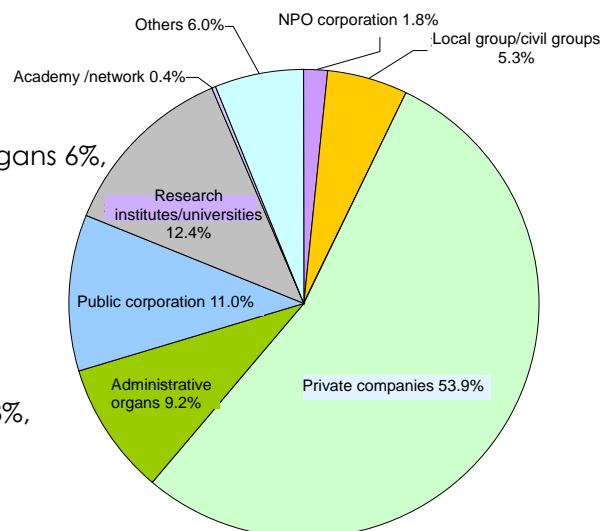
■ Constitution of JRRN members (as of November 2008)

[Group member] 17

Private groups 77%, Administrative organs 6%, Civil groups/NPOs 17%

[Personal member] 282

Private companies 54%, Administrative/public organs 20%, Research institutes 13%, Civil groups 8%, Others 5%



Main Activities of JRRN (November 2007 to October 2008)

Year	Date	Type of activity	Activities	Place
2007	Dec. 11	Information transmission	ARRN/JRRN Annual Report 2007 distributed/publicized on web	
	Dec. 28	Information transmission	JRRN News Letter Jan. 2008 (Vol. 7) distributed/publicized on web	
2008	Jan. 9	Information exchange/public relations activities	Discussion with NARBO (Network of Asian River Basin Organization) Secretariat	Japan (Tokyo)
	Jan. 21	Event holding	River restoration workshop -River Restoration and River Environment Maintenance- held in China	Japan (Tokyo)
	Jan. 29	Information transmission	JRRN News Letter Feb. 2008 (Vol. 8) distributed/publicized on web	
	Feb. 20 - 22	Information exchange/public relations activities	Attending The 3rd NARBO (Network of Asian River Basin Organization) General Assembly	Indonesia (Solo)
	Feb. 28	Information transmission	JRRN News Letter Mar. 2008 (Vol. 9) distributed/publicized on web	
	Mar. 31	Information transmission	JRRN News Letter Apr. 2008 (Vol. 10) distributed/publicized on web	
	Apr. 1	Information transmission	Public announcement of renewal of JRRN home page in English	
	May 7	Information transmission	JRRN News Letter May 2008 (Vol. 11) distributed/publicized on web	
	May 20	Information transmission	JRRN News Mail No. 100 distributed	
	Jun. 2	Information transmission	JRRN News Letter Jun. 2008 (Vol. 12) distributed/publicized on web	
	Jun. 30	Information transmission	JRRN News Letter Jul. 2008 (Vol. 13) distributed/publicized on web	
	Jul. 18	Event holding	The 1st JRRN River Environment Mini Lecture Environmental flow condition held	Japan (Tokyo)
	Aug. 6	Information transmission	JRRN News Letter Aug. 2008 (Vol. 14) distributed/publicized on web	
	Sep. 8	Information transmission	JRRN News Letter Sep. 2008 (Vol. 15) distributed/publicized on web	
	Oct. 3	Information transmission	JRRN News Letter Oct. 2008 (Vol. 16) distributed/publicized on web	

Main events of JRRN

Mini-workshop: River Restoration and River Environment Conservation in China

(January 21, 2008: Tokyo JAPAN)

On January 21, 2008, the Mini-workshop on River Restoration: River Restoration and River Environment Conservation in China was held, where latest topics of Chinese river restoration were provided based on current condition of water resources and water environment in China.



◦ Lecturer: Jian Hua Li, Professor of Tongji University (Shanghai, China), Assistant Manager of Critical Experiment Room, Yangtze Water Environment Education Div., Manager of Chong-Ming Water Environment Experiment Room, Shanghai City Science Committee

◦ Date: January 21, 2008 (Mon) 15:00 - 17:00

◦ Venue: Foundation for Riverfront Improvement and Restoration

1st JRRN Mini-Seminar on River Environment: Environmental Flows (July 18, 2008: Tokyo)

On July 18, 2008, the 1st JRRN Mini-Seminar: Environmental Flows - Towards maintaining normal function of flows - was held. Participants were first given a lecture on means to control flows in normal state and the latest concept of environmental flows in foreign

countries, and then discussed with lecture.



- oLecturer: Mr. Toshikatsu Omachi
(JRRN member, Yachiyo Engineering Co., Ltd.)
- oDate : July 18, 2008 (Fri) 15:30 - 17:30
- oVenue : Foundation for Riverfront Improvement and Restoration

JRRN Website <http://www.a-rr.net/jp/>



JRRN website provide various information in Japanese and English to concerned people who engage in river/watershed restoration such as civil groups, government officials, private personnel, researchers, etc. Available information from this website include: topics related to river restoration in Japan and in other countries, examples of restoration projects, local activities, technologies, news, books, papers, and recreations.

<div>Introduction of JRRN</div> <div>Objectives, activities of JRRN and member registration</div> <div>Latest topics and news</div> <div>Latest news and topics related to river/waterfront restoration</div> <div>Event information</div> <div>Event information bulletin showing events and seminars related to river/waterfront restoration</div> <div>Information exchange/communications</div> <div>Page for information exchange with you</div> <div>Waterfronts in Japan and in the world</div> <div>View photos of beautiful waterfront sites and examples of waterfront restoration in Japan and in the world</div>	<div>Waterfront activities</div> <div>Report on waterfront activities from civil groups and schools</div> <div>How to enjoy waterfront</div> <div>Tips to enjoy waterfront environment through games, sports and culture</div> <div>Getting familiar with waterfront</div> <div>Facilities offering experience-based education and interesting websites</div> <div>Publications</div> <div>Books, manuals, articles on rivers and waterfronts</div> <div>Links</div> <div>Links to rivers and waterfronts in and out of country</div>
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Menu of JRRN website

JRRN Newsletter

JRRN Newsletter is published once per month as an effective means to share JRRN activities with its members. Back issues can be downloaded from the website. For details, please visit the following URL.

Back number URL: <http://www.a-rr.net/jp/info/letter/newsletter/>

Featured articles and covers of back issues (November 2007-September 2008)



Date (vol.)	Features articles
Nov. 2007 (vol.6)	Report on JRRN co-sponsored seminar: Urban Restoration led by the River—an Example of the Love River in Gaoxiong City, Taiwan; Rivers in Malaysia
Jan. 2008 (vol.8)	Report on The 4th International Forum on Waterfront/Watershed Restoration; Report on participation in The 1st Asia/Pacific Water Summit Conference
Feb. 2008 (vol.9)	Report on JRRN sponsored Mini-Workshop on River Restoration in China; Report on participation in Nihombashi River Boating
Mar. 2008 (vol.10)	JRRN joined NARBO; Report on visit to Srakarta City, Indonesia
Apr. 2008 (vol.11)	JRRN English website renewed; Report from ARRN Secretariat; Report on tour to Cheonggye River
May 2008 (vol.12)	Activity report for 2007 and 2008; Meguro River in the Past and Now -Downstream version-
Jun. 2008 (vol.13)	New features of JRRN website; Meguro River in the Past and Now -Upstream version-
Jul. 2008 (vol.14)	Report on JRRN supported study tour by Korea River Association, Report on participation in The 4th International River Environment Workshop (Korea)
Aug. 2008 (vol.15)	Report on The 1st JRRN Mini-Seminar on River Environment; Report on information exchange with Dorimcheon NPO, Korea
Sep. 2008 (vol.16)	Report on activities to collect river restoration examples; Report on participation in Japan/Korea River Ecology Seminar
Oct. 2008 (vol.17)	Report on ARRN sponsored River Environment Forum; Report on The 1st ARRN Information/Technical Committee; Yura River Forum and WakWak Project

JRRN Newsmail

JRRN Newsmail is issued and sent to JRRN members twice per week. This mail consists of topics and news related to river environment in Japan and in other countries, information from JRRN members, message from the secretariat, and events to be held in future.

All back issues are available from the following address.

Back numbers URL: <http://www.a-rr.net/jp/info/letter/newsmail/>

Sample of JRRN News Mail (Vol. 100 issued on May 19, 2008)

JRRN News Letter Vol. 100 Latest articles on rivers and watersheds (May 16 - 19, 2008) Issued by JRRN Secretariat

This is the news mail from Japan River Restoration Network (JRRN: <http://www.a-rr.net/jp>). If you are a JRRN member, you may register more than one address to receive this mail. Your request for particular kind of news articles or information for including this mail will be accepted via e-mail: info@a-rr.net.

■ Announcement from JRRN Secretariat ■

● Map information service using Google Map has been launched

JRRN has started to provide the map information service by which users can locate the river/waterfront sites and related facilities that are included in the website. The location is shown on the Google Map that is linked to the web page. The service is offered on a trial basis so far. ○ For details, see <http://www.a-rr.net/jp/info/letter/information/675.html>

● "JRRN Newsletter No. 11 (May 2008)" has been issued. Featured article includes Urban Meguro River in the past and now (downstream version). ○ For details, see <http://www.a-rr.net/jp/info/letter/newsletter/>

■ Event information on river restoration ■

Please visit <http://www.a-rr.net/jp/event/> for events to be held on river restoration and river environment improvement.

■ Waterfront in general ■

● Korean Wood: Kyonggi-do, final master plan announced

Korean Report - May 19, 2008

Full text of article: <http://www.chosunonline.com/article/20080519000058>

● Cleaning activity by NPO in swamp in the estuary of Yoshino River

Tokushima Newspaper - May 17, 2008

Full text of article:

http://www.topics.or.jp/contents.html?m1=2&m2=&NB=CORENEWS&GI=Kennai&G=&ns=news_121109176638&v=&vm=1

● NPO Environment Civil Center for restoring Sanbanze publishes a book documenting its 20-year activities. / Chiba Mainichi Newspaper - May 16, 2008

Full text of article: <http://mainichi.jp/area/chiba/news/20080517ddl12040177000c.html>

■ Urban Waterfront ■

● "Water City Osaka" is to be reviewed; Governor and Mayor of Hiramatsu City agreed on boat.

Yomiuri Newspaper - May 19, 2008

Full text of article → http://osaka.yomiuri.co.jp/tokusyuu/h_osaka/ho80519a.htm?from=tokusyuu

■ Ecological system ■

● Biological map: Citizen's Group to Consider Nature Conservation works on preparing the map for a look at living creatures in Metoba River, Matsumoto / Nagano Mainichi Newspaper - May 19, 2008

Full text of article → <http://mainichi.jp/area/nagano/news/20080519ddl20040168000c.html>

● Considering vegetation conservation in Kizu River

Kyoto Newspaper - May 17, 2008

Full text of article → <http://www.kyoto-np.co.jp/article.php?mid=P2008051800028&genre=H1&area=K20>

● Inhabitants are to preserve near-extinct plants "pickerelweed" in Uzura Area, Fukui.

Fukui Newspaper - May 17, 2008

Full text of article → <http://www.fukuishimbun.co.jp/modules/news2/article.php?storyid=4000>

Japan River Restoration Network (JRRN) Secretariat

Organizational Structure and Members

Organizational Structure

■ River Restoration Network (RRN)

ARRN is organized with cooperation of national networks in each participating countries / regions, and so called as the management secretariat on a national network in those countries / regions to be "River Restoration Network (hereafter, RRN)" generically. As for a national network, a free activity in home countries or in local region is encouraged.

■ Governing Council

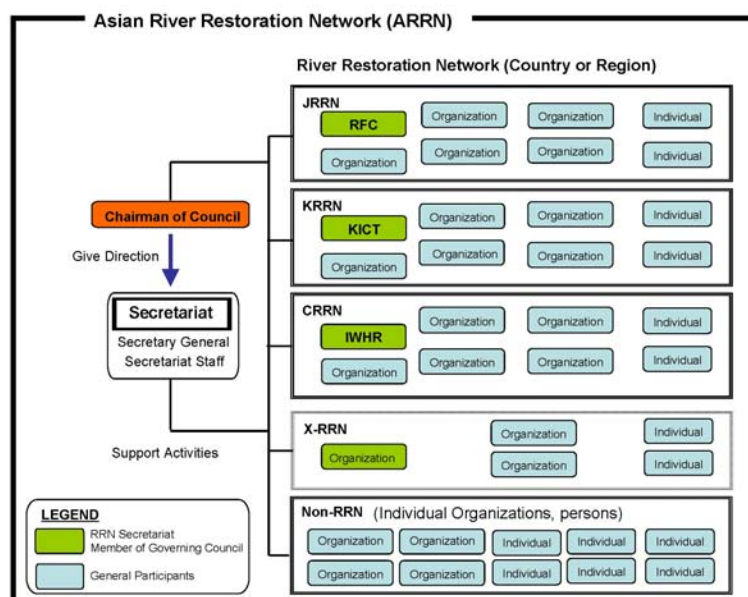
The operating policy of ARRN is decided by "Governing Council" consisting of the representative of the Council in each RRN organization. The Council is summarized by the chairperson approved in the Council, and resolves the activity plan and the budget planning, etc. of the year.

■ Secretariat

The Council is administrated by the secretariat. The secretariat accomplishes the annual governing council meeting and various ARRN activities.

■ General Participants

General participants are individuals or groups, who or which participate in event such as forums and uses profit of Web site. General participants need to register participation according to the rule that national RRN organization provides and assumes the generic name of the person who declares participation in ARRN.



ARRN Members (as of November 2008)

ARRN is currently consisted of 3 national networks and 1 organization as follows.

■ River Restoration Network (RRN)

CRRN: China River Restoration Network

[Secretariat] Institute of Water Resources and Hydropower Research (IWHR)

<http://www.iwhr.com/english.asp>

[Organization members] -

[Personal members] -

KRRN: Korea River Restoration Network

[Secretariat] Korea Institute of Construction Technology (KICT)

<http://www.kict.re.kr/eng/index.asp>

[Organization members] -

[Personal members] -

JRRN: Japan River Restoration Network



<http://www.a-rr.net/jp/en/>

[Secretariat] Foundation for Riverfront Improvement and Restoration (RFC)

<http://www.rfc.or.jp/english/top.htm>

[Organization members] 17 groups

[Personal members] 282 people

Private companies 54%, Administrative/public organs 20%, Research institutes 13%, Civil groups 8%, Others 5%

* JRRN Secretariat plays the role of ARRN secretariat from November 2006 to October 2010.

■ Individual Organizations (Non-RRN member)

Department of Water Resource, Thailand

<http://www.water.go.th/>

ARRN Secretariat

Japan River Restoration Network (JRRN) has a role of ARRN secretariat for four years from ARRN establishment (November 2006), from Term I (to October 2008) through Term II (to October 2010).

■ Members of Secretariat

Junzo SAGO (Secretary-General)

Kazumasa ITO

Masafumi ITO

Akira WADA

Michiya TANNAI

■ Contact:

Asian River Restoration Network (ARRN) secretariat

Technical Coordination & Cooperation Division
Foundation for Riverfront Improvement and Restoration (RFC)

Ichibancho FS Bldg. 3rd Floor, 8 Ichibancho, Chiyoda-ku, Tokyo, JAPAN,
102-0082

TEL: +81-3-3265-7121 FAX: +81-3-3265-7456

E-mail: secre@arr.net

Website: <http://www.arr.net/>

References

Recommendation made by the Nature Restoration Session of the 4th World Water Forum (March 2006, Mexico)

The "River Restoration in Asian Monsoon Region" session on 4th World Water Form was cosponsored by three countries of China, Japan and Korea. In the session, panel discussion was held between the representatives of Malaysia and UNESCO-IHE additionally to that of three countries. At the end of the discussion, following terms were proposed as the conclusion. In response to this recommendation, Asian River Restoration Network (ARRN) was established in November 2006.

- It has been realized that river restoration is of vital importance to socio-economic sustainable development in parallel with flood management and water use management.
- It is necessary to recognize that the basin as a basic unit for management, that the river environment is dynamic, and that the environment of the various rivers is maintained by dynamic disturbance.
- It is necessary for the countries in Asian monsoon region to establish the suitable methodology and technology for river restoration, considering dense population, frequent and severe flooding, and abundant rice paddy.
- In Asian monsoon region human-influence to a cultural landscape is harmonized with the ecosystem traditionally. Those landscapes that have been modified by humans over long periods are often also important for nature as well as culture.
- It is important to develop a database and Asian network of projects and knowledge of international experts in river restoration. River restoration is a multi-disciplinary and multi-organizational task that should be supported by river engineers, environmental scientists, ecologists, water managers and the public.
- It is urgent to establish a river restoration guideline suitable for the Asian monsoon region as a reference for countries with similar social and natural conditions.

(Quote from "Session output" on 4th World Water Forum's "River Restoration in Asian Monsoon Region")

How to become an ARRN member

Joining the ARRN is Free!

To become member of ARRN, please read the following instruction, and send a membership application form to secre@a-rr.net by email.

Membership Benefits

- (1) Easy obtaining of domestic and foreign information on river restoration through website, email, and direct contact to ARRN secretariat or other ARRN members as following;
 - Latest news, topics, projects, experiences, lessons, case studies
 - International and domestic events such as seminar and workshops
 - Standard books, technical guidelines, video images, etc.
- (2) Holding opportunity to introduce member's organization and their activities to other ARRN members
- (3) A coordinated business with various foreign countries or organizations
- (4) Holding management support such as international seminar, workshops and establishment of regional river restoration network by ARRN secretariat

Possible Tasks

- (1) Members will participate in ARRN with commitment to use their own resources and to work effectively in partnership with other members that are collaborating in the network. Members will support the objectives of ARRN described in the charter. (<http://www.a-rr.net/charter.html>)
- (2) Members can freely inspect the Web site, and moreover, useful information on river restoration in your organization and your region can be freely sent through the Web site for other members.
- (3) Members positively join for ARRN events such as international forum and the workshop by each RRN sponsoring. Also, every member can hold original workshop by receiving the backup of ARRN or RRN.
- (4) Members cooperate positively when the specialist's technical advice is required or the advanced case investigation committee is sent to another region.
- (5) Members share the information sent by ARRN with related persons in your organization.

Procedure for joining ARRN

- (1) An organization which wants to join ARRN is requested to submit a membership application form by email.
- (2) The membership application form submitted by the organization is judged by the Secretary General and the Chairperson of ARRN.
- (3) After the Chairperson of ARRN approves the membership application form, the organization becomes the ARRN member as a Non-RRN organization.
- (4) ARRN secretariat will send email soon to the contact person named in the application form.
- (5) When plural groups gathered in a certain country or regions, the ARRN secretariat supports the establishment of each RRN. The establishment of new RRN will be judged by ARRN governing council meeting.

Note)

In a country/region which RRN secretariat has already established, applicants to ARRN should be registered through the RRN secretariat. (China, Korea, and Japan)

For further information, please contact to secre@a-rr.net by email.

ARRN Membership Application Form for organization (MS-WORD:601kB) is available here. <http://www.a-rr.net/jp/en/arrn/docs/appform.doc>



Asian River Restoration Network secretariat

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Japan River Restoration Network (JRRN) has a role of ARRN secretariat from Nov. 2006 to Oct. 2010. JRRN secretariat is managed by Foundation for Riverfront Improvement and Restoration of JAPAN (RFC).

<http://www.a-rr.net/jp/en/>

Cover's Photograph: Xinjiangtang River, Haining County of Zhejiang Province, CHINA