

# Asian River Restoration Network Annual Report

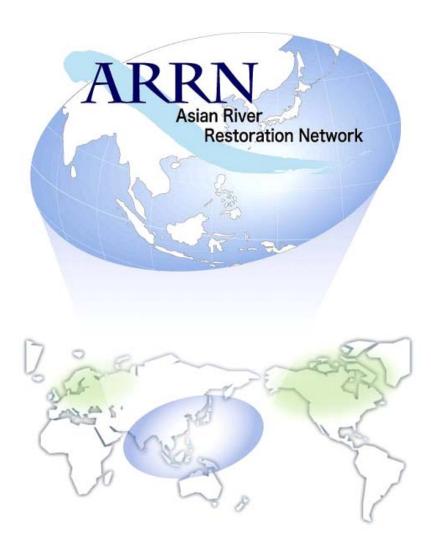




http://www.a-rr.net/

# What's ARRN?

ARRN is a non-political organization for exchanging knowledge and technical information on the restoration of rivers and watersheds in Asia. The primary objective is to provide various opportunities for river restoration related organizations and individuals to share and exchange knowledge and experiences through this network, aiming to enrich the participants' knowledge and scientific technology through mutual and multilateral cooperation.



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# Message from the ARRN Chairperson



# Prof. Nobuyuki Tamai

#### Chairperson of ARRN

Professor, Graduate School, Kanazawa Gakuin University Ex-President of International Association for Hydro-Environment Engineering and Research (IAHR) Professor Emeritus, University of Tokyo

It is about time for us to release the Annual Report 2011 to all members. We would like to express our sincere appreciation for the support we have received from many people as well as our members.

In 2011, the "8th International Forum on Waterfront and Watershed Restoration" was held in Tokyo on November 11, and the "Field Technical Exchange at Kurome River" was held at the Kurome River in Asaka City, Saitama Prefecture, on November 12. The theme of the forum was "Urban River Restoration at the Confluence of Disaster Mitigation and Environment Preservation". During the forum, those who were engaged in practical activities concerning rivers and researchers from Australia, Taiwan, Korea, China and Japan provided case examples of river restoration and their efforts for disaster prevention with a focus on rivers in cities and their surrounding areas. At the opinion-exchange session, active discussions were held between lecturers and participants on the theme of "disaster mitigation and environment preservation", and "how to understand the land features of the whole country and regional areas". In conclusion, it was confirmed that it would be important to maintain the diversity unique to each river, and to promote sharing and exchange of technology and information that are needed to achieve it among countries in Asia, Europe, America and Oceania.

The Field Technical Exchange Program was a new attempt, and lecturers who participated in the forum joined an event where they undertook practical activities for balancing flood control and environmental preservation, and actual collaboration between citizens and the government. The event had been ongoing, and was organized by the Asaka Land Development Office in Saitama Prefecture and the members of the "Kurome River Working Group", which aims to promote river environment improvement. It seemed very meaningful for participants from overseas not only to visit it for observation, but also to have contact with citizens.

With regard to publication of a guideline for river restoration, we will continue to revise the "Reference Guideline for Restoration by Eco-Compatible Approach in River Basin of Asia" so that the revised version will be more helpful for readers in Asia. In March 2012, the second revised version was completed. We would like to express our appreciation to all the people concerned who join ARRN from Korea, China and Japan.

The 6th ARRN Governing Council Meeting was also held together with the 8th International Forum. The increase of membership of ARRN had been an issue since its foundation. It had already been decided that both countries and regions could be admitted as a membership unit, and the related articles of the charter were revised at this governing council meeting in order to make them conform to this principle. It means that we will call for participation in the organization in the same manner as the Olympic Games. Because it was not appropriate to incorporate detailed operational rules in the charter in view of its fundamental nature, it was decided that internal regulations for daily operation would be established as a by-lows. It was also decided that rules for approval of a membership unit would be included in the by-lows. As another key decision, it was decided to move the ARRN secretariat from Japan to China together with the 9th ARRN International Forum. The charter stipulates that member countries should take turns serving as the secretariat, and it was decided to put it into practice in 2012.

In the meantime, we think we will enhance the international reputation of our organization by continuing to take many opportunities and make steady efforts. The year 2012 is the year when the secretariat will be moved. I would like to conclude my greetings by requesting your continued cooperation.

# Message from the Representative of River Restoration Network

#### CRRN: China River Restoration Network

Dr. Baiyinbaoligao

Secretary-General of CRRN

China Institute of Water Resources

and Hydropower Research (IWHR)

I am the director of the Rivers Research Work Team, Department of Hydraulics, China Institute of Water Resources and Hydropower Research (IWHR). I have accepted the invitation of CRRN to be the secretary general from 2012.

I am very pleasure to meet you dear friends by the CRRN, and we will be together on the road to explore the related fields on river ecosystem protection and restoration. Since the 21st century, many cities in China have implemented the modern comprehensive management, characterized by a natural, hydrophilic, civilization, on urban rivers. These measures have the urban rivers play greater roles in economic development, ecological environment improvement and human settlements quality improvement, as well as cultural heritage.

From 2004, Ministry of Water Resources has been carrying out the water ecological restoration in 13 cities as pilot in China, and many good results have been achieved. Some key technologies are currently comprehensively summarized and improved. In recent years, China's ecological restoration is changing from past regulation mode of landscape to the comprehensive mode focused on water security, water resources, water environment, water ecology, water landscape, and water culture.

I believe that the river restoration work will get better results in the next few years, and our works will play a better role in ARRN. KRRN: Korea River Restoration Network

Dr. Bonghee Lee

**Chairperson of KRRN** Saman Engineering Ltd.



Hello all members in ARRN. It has been two years for me to take charge of KRRN. I have been highly impressed with ARRN's progressive activities for the river recovery. Similar actions are now taken places in Korea as well to restore desolate rivers which have been far from the cares and attentions for a long time.

Especially, 16 Great Weirs were built and 570 millions m<sup>3</sup> scale Bed Dredging work was completed in Major 4 River Restoration Project. As a result of such activities, the amount of water in the river is increased so that it reveals the abundance and the beauty of river itself. If any members are interested in visiting the site we, KRRN, are happy to guide you.

KRRN started our own website services. (<u>www.krrn.net</u>) last year. Although it is still in the beginning and not so many contents in it, we are expecting to offer various kinds of information about river recovery in the near future. KRRN will promise to give all kinds of support for the ARRN's activities.

Meanwhile, I want to send my big sorrow to huge damage in Japan by The East Japan Great Earthquake and Associated Tsunami. However I was impressed to hear the new about rapid and active recovery. We are all one family and cannot go alone. For the people who love river like us, it is also required to have the modest attitude to nature and respect it.

Lastly, I want to finish my words with appreciation and wish your good luck. I hope we meet again in the near future.

Thank You.

#### JRRN: Japan River Restoration Network

#### Dr. Junzo Sago

Secretary-General of ARRN Secretary-General of JRRN Foundation for Riverfront Improvement and Restoration



ARRN, which consists of three organizations, JRRN (Japan), CRRN (China) and KRRN (Korea), was founded on November 9, 2006 as a network aimed at exchanging information on river restoration in Asia. It has carried out activities over five years.

JRRN was established at the time of inauguration of ARRN, and has served as the secretariat of ARRN since its inauguration. JRRN is also engaged in various unique activities: delivery of "e-mail news" which provides information on river restoration both at home and abroad, issue of "newsletters" as a place for opinion exchange, holding of mini-seminars on river environment, support for acceptance of inspection groups from overseas, development of guidelines for river restoration, collection and analysis of case examples, participation in academic meetings, etc.

As one of the activities conducted during the year, we held the ARRN Governing Council Meeting and the ARRN International Forum in Tokyo last November for the first time in four years. In particular, case examples of river restoration in each country were provided in the International Forum, and as a result, we found that many countries still lacked information on actual conditions and methods, and recognized the need for further information exchange.

We published a new book entitled "Restored Rivers in Japan and the world" in March last year, and the revised version (ver. 2) of "Reference Guideline for Restoration by Eco-Compatible Approach in River Basin of Asia" prepared jointly by Japan, China and Korea in March this year. At present, the membership of JRRN consists of about 540 individuals and about 40 organizations, showing steady growth. As you know, Japan suffered tremendous damage from the Great East Japan Earthquake last March. We realized from this catastrophe that it is impossible for humans to control the force of nature. But on the other hand, nature provides many blessings and is indispensable for humans. Therefore, from old times, Japanese people have lived in good harmony with nature while repeatedly suffering from disasters. An essayist, Torahiko Terada, described this by the expression, "severe punishment by a strict father and the tender love of a benevolent mother" ("Tensai to Nihonjin (Natural Disasters and Japanese People)", Kadokawa Sophia Bunko).

In recent years, structures, such as levees, revetments and dams have been constructed in rivers in order to efficiently control rivers in terms of flood control and water usage. On the other hand, the functions of rivers, including recreation, landscape and biology, have been reconsidered in the past two decades. As a result, "river restoration" has been promoted as an effort to develop rivers in consideration of such functions.

However, it seems that river improvement efforts have tended to focus on disaster prevention by constructing "higher levees and more robust revetments" after the Great Disaster. Such a trend may be inevitable, but considering the sustainability of human beings, it is important to understand the various functions of nature and continue to promote river management in harmony with nature despite construction of those structures.

JRRN will continue to make efforts to contribute to provision and exchange of valuable information on river restoration in cooperation with organizations participating in ARRN, and together with all of you. Your continued support will be greatly appreciated.

# About ARRN

## **Background of ARRN Establishment**

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**

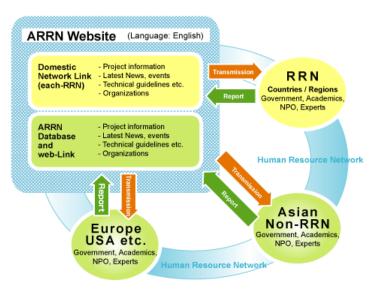
ARRN aims to contribute to the creation of rich Asian water environment for the following two purposes as a non political organization.

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.

- Activities for exchanging and sharing information on river restoration through website, newsletters and email news
- To hold workshops and forums with a view to provide a platform to introduce or compile information on the latest situation and case studies of river restoration in Asia
- To draw up or revise guidelines for the restoration of rivers and watersheds
- To conduct joint studies to be undertaken by participating countries to support the provision of information for study purposes
- To exchange lecturers from participating countries
- To translate and publish books on the restoration of rivers and watershed



Outline of ARRN network activities

## **Organizational Structure**

#### River Restoration Network (RRN)

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

#### 🗄 Governing Council

The operating policy of ARRN is decided by "Governing Council" consisting of the representative of the Council in each national 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 local RRN organization provides and assumes the generic name of the person who declares participation in ARRN.

## **ARRN Members (as of December 2011)**

ARRN is currently consisted of 3 national networks and 2 organizations as follows.

#### River Restoration Network (RRN)

CRRN: China River Restoration Network <u>http://www.cnrrc.cn/</u> [Secretariat] Institute of Water Resources and Hydropower Research (IWHR) [Organization members] 10 group [Personal members] 80 people

KRRN: Korea River Restoration Network
<a href="http://www.krrn.net/">http://www.krrn.net/</a>
<a href="http://www.krrn.net/">Korea River Restoration Network
[Secretariat] Korea River Association (KRA)</a>

[Organization members] 1 group

**JRRN**: Japan River Restoration Network

http://www.a-rr.net/jp/



[Secretariat] Foundation for Riverfront Improvement and Restoration

[Organization members] 40 groups

[Personal members] 540 people

JRRN Secretariat plays the role of ARRN secretariat from November 2006 to October 2012.

Individual Organizations (Non-RRN member)

- Department of Water Resource, Thailand http://www.water.go.th/
- Federal Flood Commission, Pakistan (FFC) http://www.ffc.gov.pk/

# Activities in 2011

## **Website Development**

ARRN continues to update the ARRN website, as well as renew the websites of each river restoration network (RRN) aiming to enhance information sharing on our activity reports, publications, news/events and useful technical tools and resources. In October 2011, KRRN website was opened and website of CRRN, KRRN and JRRN were linked from ARRN website.

## **International Forum & Events**

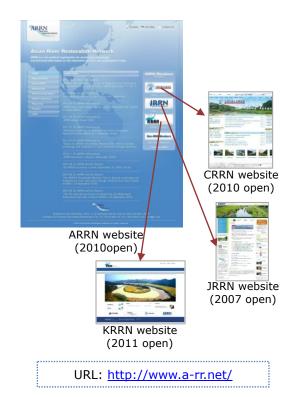
# ARRN's 8<sup>th</sup> International Forum on Waterfront and Watershed Restoration (Nov. 11, 2011, JAPAN)

ARRN held the 8<sup>th</sup> International Forum on Waterfront and Watershed Restoration titled "Urban River Restoration at the confluence of Disaster Mitigation and Environment Preservation" in Tokyo JAPAN on November 11 in 2011, and valuable findings and opinions through pioneering experience in river restoration were exchanged with participants and lecturers.

Lecture record of 5 presentations and discussion are summarized in the following Lecture Report.



 $8^{\mbox{\scriptsize th}}$  forum's Lecture Report





Opening Speech



Lecturers and ARRN members

URL: <u>http://www.a-rr.net/publication/2012/01/lecture report on arrns 8th in.html</u>



# ARRN's Field Technical Exchange at Kurome River (Nov. 12, 2011, Saitama, JAPAN)

Foreign lecturers attended the ARRN International Forum, and relevant personnel of ARRN visited the Kurome River in Asaka City, Saitama Prefecture. They participated in an exchange event held by the Asaka Land Development Office in Saitama Prefecture which is responsible for river management, and the "Kurome River Working Group" which promotes river environment improvement in the Kurome River. Through this event, participants were able to observe actual river development balancing flood control and environmental preservation, and to learn about specific efforts for collaboration between citizens and administration. They also had a lively exchange of views mainly on topics like river restoration technology and consensus building.



Opening Speech



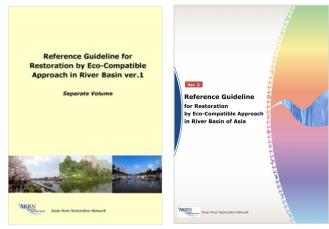
Exchange with local group

# Formulating a Guideline on River and Watershed Restoration

ARRN regards the preparation of a guideline for river restoration to be a pillar of its activities. ARRN holds repeated consultations with experts in Japan, China and Korea, and is working on the preparation and continuous updating of the "Reference Guideline for Restoration by Eco-Compatible Approach in River Basin of Asia" as a guidebook that contributes to favorable river environment restoration in Asia.

In January 2011, ARRN published the "Reference Guideline Ver. 1, Separate Volume", which compiled case examples in various foreign countries, as a reference for the "Reference Guideline Ver. 1" released in March 2009. With the aim of enhancing the contents of Ver. 1, it continued to have consultations and perform editing under the supervision of the ARRN Technical Committee in order to update it to Ver. 2 through collaboration among networks in Japan, China and Korea.

Thanks to the cooperation of the many people concerned, the "Reference Guideline for Restoration by Eco-Compatible Approach in River Basin of Asia, Ver. 2" was completed in March 2012. We will try to disseminate it at home and abroad through the JRRN website, etc., and at the same time we will continue to update it to Ver. 3.



Ver. 1, Separate Volume

Guideline Ver. 2

#### Updated contents in Ver. 2

- Enhancement of specific examples that plainly show the background/history, issues and measures of river restoration
- Insertion of plentiful photos of cases in Japan, China and Korea, without too much emphasis on Japan, for the purpose of helping to understand the characteristics of river restoration in Asia
- Listing information sources (websites) on river restoration in Europe and the United States in the appendix, for the purpose of helping to understand the characteristics of river restoration in Asia by comparing with Europe and the United States

URL: <u>http://www.a-rr.net/publication/reference\_guideline/</u>

#### About ARRN's River Restoration Guideline

#### (1) Background

The necessity of cooperating network, data base of the river restoration and river restoration technical guideline suits for an Asian monsoon region was proposed in the "River Restoration in Asian Monsoon Region" session on 4th World Water Form.

"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."

Based on the above proposal, ARRN regards preparing/updating/distributing river restoration guideline as one of main activities. (2) Objective

- To establish the suitable methodology and technology for river restoration in Asian monsoon region
- (3) Users/Customers
  - General public making efforts for river restoration activity (not specialist)
- (4) Language

ARRN publishes the guideline in English, and ARRN member promotes and uses the guideline after translating it into own language. (5) Task force

ARRN technical committee initiates the update operations while getting cooperation of ARRN and each RRN secretariat.

#### **Governing Council & Committee**

ARRN Charter provides that policies for actions shall be decided by the Governing Council consisting of representatives from each RRN, and the Governing Council meeting is normally held once annually to coincide with the ARRN's International Forum. In addition, ARRN's two committees are set up to support the Governing Council.

# 6<sup>th</sup> ARRN Governing Council Meeting (Nov. 11, 2011, Tokyo, JAPAN)

At the beginning of the meeting, ARRN and each RRN activities in China, Korea and Japan for the past one year were reported, and information & technical committee reported their activities. In the discussion and decision, ARRN's ideal organization structure for the further expansion including charter revision was discussed and "ARRN action plan 2012" was approved.



6th ARRN Governing Council Meeting

# ARRN Information and Technical Committee Meeting in 2011

In two ARRN standing committees, committee consultations among committee members in Japan, China and Korea have been experimentally conducted through e-mail since 2011. The Information Committee held two meetings in Jul. and Oct. 2011, and the Technical Committee held two meetings in Aug. and Oct. 2011.

URL: <u>http://www.a-rr.net/report/governing\_council\_meeting/</u>

## ARRN Governing Council member (as of Dec. 2011)

#### Chairperson of ARRN:

Prof. Nobuyuki Tamai, Kanazawa Gakuin Univ. JAPAN, Ex-President of IAHR

#### Secretary General of ARRN:

Dr. Junzo Sago, Foundation for Riverfront Improvement and Restoration JAPAN

#### CRRN(China River Restoration Network):

(Secretary General)
 Prof. Dongya Sun, China Institute of Water Resources and Hydropower Research (IWHR)
 (Information Committee)
 Prof. Wengen Liao & Dr. Chong Li, China Institute of Water Resources and Hydropower Research (IWHR)
 (Technical Committee)
 Prof. Hao Wang & Prof. Kewang Tang, China Institute of Water Resources and Hydropower Research (IWHR)

#### KRRN(Korea River Restoration Network):

(Chairperson) Dr. Bonghee Lee, Saman Engineering Ltd. (Secretary General) Prof. Suk Hwan Jang, Daejin Univ. (Information Committee) Prof. Jeong-Seok Yang, Kookmin Univ. & Dr. Jin Chul Joo, Korea Institute of Construction Technology (KICT) (Technical Committee) Prof. Hyun-Han Kwon, Chonbuk National Univ. & Dr. Moonhyeong Park, KICT

#### JRRN(Japan River Restoration Network):

(Secretary General) Dr. Junzo Sago, Foundation for Riverfront Improvement and Restoration (Information Committee) Dr. Kazumasa Ito, CTI Engineering Co,LTD. (Technical Committee) Prof. Naoki Shirakawa, Tsukuba Univ.

# Activity Reports of River Restoration Network in 2011

# **CRRN:** China River Restoration Network





## **CRRN Website**

The website of CRRN has been uploaded, which includes twelve sections, namely, industry dynamics, meeting information, project progress, projects, product, publications and papers, experts, BBS, related links, about CRRN, members, contact us.



## http://www.cnrrc.cn/

## **River Restoration Guideline Development**

CRRN makes contribution to the separate volume of ARRN river restoration guideline: "Reference Guideline for Restoration by Eco-Compatible Approach in River Basin ver.2" which includes some general contents about river restoration in China and case studies of river restoration in China.

# Participation in technical programs /trainings on river restoration in China

- (1)CRRN participated in the train of River ecosystem protection and restoration held by Beijing Hydraulic engineering society during the period of July 12-13. The contents of the training include "water ecosystem protection and restoration", "Planning of river restoration", "Yongdinghe River restoration", etc."
- (2)CRRN participated World in the Bank training--EAP Environment and Social Safeguards Workshop for Staff and Consultants during the period of October 17-21. The contents of this training include: Review an Environmental Impact Assessment (EIA), Social Sustainability and Safeguards in Practice, Community monitoring and the use participatory approaches during project implementation, etc.



(3)CRRN participated in the training of Agenda for Ecology and Biology Monitoring during the period of Dec 7-11. The contents of this training includes: Comparison between EU and Chinese approach on River health assessment, EU Experience - Context for Monitoring, European WFD example, etc.

# **KRRN: Korea River Restoration Network**





#### **KRRN's Website Development**

In an effort to facilitate sharing information and networking we had been buildingan official website for KRRN in 2011. In building our website, we had several meetings where we reviewed various websites and concept designs to make a content rich website. We feel it really highlights our achievements in ARRN community. The websitewas opened in October 2011.

## <u>http://www.krrn.net/</u>



#### **Preparation for ARRN forum and GCM**

At the end of August, KRRN had a meeting to discuss some important matters such as participants, presenters and financial support for the November's meeting in Japan.

#### **KRRN's Regional Symposium**

The Korea River Association co-hosted the '7th Symposium on Environmentally Friendly River Management' with the Ministry of Land, Transportation and Maritime Affairs (MLTM) and the Nation Emergency Management Agency (NEMA) from March 28 to April 1 at Jeju Convention Center in Jeju Island.

- A. Main focuses of this symposium is to "bringing together local communities to river management" participating many people from officials from local governments, professionals and related businesses
- B. Particularly, participants discussed the government's policy on river management and its future plan followed by the experts' presentation on plans for improvement of environmental efficiency in river management and future plans for river management of Natural River.
- C. It is expected that this joint symposium gives opportunities to bring efficient investment by each government and to strengthen relationships for conducting maintenance and purification works, sharing information on environmentally friendly river management policies.



7<sup>th</sup> Symposium on Environmentally Friendly River Management in Jeju Island

# **JRRN: Japan River Restoration Network**





日本河川・流域再生ネットワーク

#### Website, Newsletter, News-mail

JRRN website provides information on topics related to river restoration in Japan and in other countries, examples of restoration projects, events, books, useful resources etc. in both Japanese and English. In addition, JRRN published "JRRN Newsletter" once per month, and distributed "JRRN News-mail" twice a week. (Total 12 newsletter, 99 news mail in 2011).

## **JRRN's Seminar on River Environment**

JRRN held the "JRRN Mini-Seminar on River Environment" twice in 2011 to provide opportunities for JRRN members and non members to share and exchange their knowledge and experiences on river restoration.



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

The 8<sup>th</sup> Seminar: "Development of fishways in Korea and Japan" (Aug 31, 2011)

- Lecturer 1: Prof. Jin Hong Kim (Chung-Ang University, Korea)

- Lecturer 2: Mr. Goshi Ogawa (Foundation for Riverfront Improvement and Restoration, Japan)



First, Prof. Kim gave a lecture on a national survey of the actual conditions of fishways, which has now been conducted in Korea, and efforts to build a database. Next, Researcher Ogawa explained about the history of fishway development in Japan, the types of fishways, the state of installation in the country, and case examples of their improvement, showing various photos. During the question and answer session after lectures, a lively opinion exchange was held among 8 members of a fishway observation team from Korea, including Prof. Kim, Instructor Ogawa, and JRRN members.

The 9<sup>th</sup> Seminar: "Characteristics of river environment and river restoration in China" (Dec 22, 2011)
 Lecturer: Prof. Jianhua Li (Tongji University, China)



First, an overview of economic growth and environmental issues across China was provided, and then an explanation of the actual condition of water environment pollution and impact on the ecosystem were given. In addition, a detailed explanation of the following was given: efforts to improve the deteriorated water environment in China, specific case examples of river restoration, and the direction for nature restoration by river projects based on the 12th five-year plan.

### **JRRN's Technical Exchange**

JRRN held technical exchange with foreign organizations as an open discussion program for JRRN member. In 2011, JRRN supported three technical exchange programs

- 1) Hubei Provincial Water Resources Bureau, China (Jan. 11-13, 2011)
- 2) World Bank's Technical Training Program on river restoration (May. 30, 2011)
- 3) River Associated mission, Taiwan (Aug. 26, 2011)

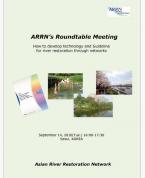
## **JRRN's Publication**

JRRN compiled the results of various activities as a online publication, and promoted efforts to disseminate them through the JRRN Website so that they will be widely utilized at home and abroad.

#### Report on Roundtable Meeting 2010

Publication of a report on the open roundtable meeting entitled "How to develop Technology and Guideline for River Restoration through Networks", which was held in Seoul, Korea in September 2010

(Japanese/English Version)



## Restored Rivers in Japan and the world

Publication of "Restored Rivers in Japan and the world" which gives examples river of restoration at home and abroad, and release of its electronic version on the JRRN website on June 5 as "World Environment Day"

(Japanese version only)







3) Delegation from Taiwan

Publication of the "Cherry Blossom

Cherry Blossom and Waterscape Photo Collection



question-and-answer sessions held at the 7th and 8th Mini-Seminar on Environment River through the JRRN website

2011

(Japanese version only)

# Lecture Report on 8th International Forum

Publication of a report that summarizes lectures and question-and-answer sessions held at the ARRN's 8th International Forum on Waterfront and Watershed Restoration

(Japanese/English Version)



URL: http://www.a-rr.net/jp/info/letter/publication/

# **ARRN** Charter

# **CHARTER OF THE ASIAN RIVER RESTORATION NETWORK**

#### Article 1 Name

This international information exchange network shall be called "Asian River Restoration Network" (hereinafter referred to as ARRN).

## Article 2 Objectives

ARRN is a non-political organization for exchanging knowledge and technical information on the restoration of rivers and watersheds in Asia. The primary objective is to provide various opportunities for river restoration related organizations and individuals to share and exchange knowledge and experiences through this network, aiming to enrich the participants' knowledge and scientific technology through mutual and multilateral cooperation.

## Article 3 Categories of Activities

In order to attain the objectives stated above, activities in the following categories shall be carried out in relation to the restoration of rivers and watersheds:

- Activities for technical support
- Activities for research and development
- Activities for publication
- Activities for public relations

## Article 4 Particulars of Activities

ARRN shall carry out the following activities in relation to the restoration of rivers and watersheds to attain the objectives defined in the Objectives.

- Activities involving exchanging and sharing information through newsletters to be distributed on the web-site and by e-mail.
- To hold workshops and forums with a view to provide a platform to introduce or compile information on the latest global waterfront situation and case studies of improved waterfront environment.
- To draw up or revise guidelines for the restoration of rivers and watersheds.
- To conduct joint studies to be undertaken by participating countries to support the provision of information for study purposes.
- To exchange lecturers from participating countries.
- To translate and publish books on the restoration of rivers and watershed.

ARRN will expand the scope of activities as required.

## Article 5 Eligibility for Participation and Registration Procedure

- 1. ARRN shall accept applicant from administrative institution, private organization, researcher and individual to be a member of this network as long as they will follow the objectives of this network.
- 2. All participants shall register themselves with the Secretariat following the approach below.
- 3. In a country/region where "River Restoration Network" (hereinafter referred to as RRN) secretariat has already been established, applicants to ARRN should be registered through the RRN secretariat. In any country/region where there is no RRN, applicants to ARRN should be registered through the ARRN secretariat directly.

## Article 6 Organization

ARRN is operated by the Governing Council. In this council, Information Committee and Technical Committee may be established to perform routine duties.

## Article 7 Governing Council

- 1. The Governing Council make decisions on the management of ARRN such as the organizational framework and action plans.
- 2. The Governing Council is composed of the representative of each national RRN.
- 3. A Chairperson shall be appointed for the Governing Council, who is a qualified expert in the field of river restoration and his/her term of office is 2 years.
- 4. The chairperson will be nominated by each national RRN and be elected at the Governing Council meeting.
- 5. In the Governing Council, the following items can be proposed by any ARRN participant and the Secretariat shall be deliberated:
  - Decisions on the structure of the Governing Council and the Secretariat.
  - Decisions on the execution, revision and cancellation of this Charter
  - Decisions of the annual action plan and its implementation.
  - Other matters put on the agenda by participants

## Article 8 Information Committee

- 1. The ARRN Information Committee aims at preparing future vision and activities of ARRN and sharing knowledge by establishing a toolbox.
- 2. Information Committee member shall be appointed by the representative of national RRN and his/her term of office is 2 years.

#### Article 9 Technical Committee

- 1. The ARRN Technical Committee aims at providing the technical methods for river restoration including the guideline for Asian countries.
- 2. Technical Committee member shall be appointed by the representative of national RRN and his/her term of office is 2 years.

#### Article 10 Secretariat

- 1. A Secretariat shall be established for the Governing Council. A Secretary General shall be appointed for the Secretariat by the chairperson.
- 2. The secretariat shall be appointed for the Governing Council by a rotation of national RRN. Consecutive re-nomination is possible and shall be agreed by the Governing Council Meeting. The term of office of the Secretariat is 2 years.
- 3. The Secretariat shall hold the Governing Council meeting.
- 4. The Secretariat shall submit an action plan and other matters for decision to the Governing Council.

## Article 11 Funding for Activities

Funding for the activities of the Secretariat shall, in principle, be provided by the participants themselves who take charge of the Secretariat. However, cooperation may be solicited from other participants when necessary.

## Article 12 Execution, Cancellation and Revision

This Charter shall come into force after it is signed by the representative of each national RRN and may be revised or canceled as required through deliberations in the Governing Council.

#### Memorandum:

The Charter was primarily proposed in accordance with the discussions between three organizations, China Institute of Water Resources and Hydropower Research (IWHR), Korean Institute of Construction Technology (KICT) and Foundation for Riverfront Improvement and Restoration of Japan (RFC) in November 2006.

The Charter was amended by the fourth Governing Council on September 30, 2009, the fifth Governing Council on September 15, 2010, and the sixth Governing Council on November 11, 2011.

# 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

- 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

- 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.
   (<u>http://www.a-rr.net/charter.html</u>)
- (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

- 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)

Membership enrollment procedure of ARRN is going to be reviewed. For further information, please contact to secre@a-rr.net by email.

ARRN Membership Application Form for organization(WORD:601kB) is available here. http://www.a-rr.net/membership/registration.html



# Asian River Restoration Network secretariat

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