

Fiscal Year 2011 Activity Report

The contents of JSC activities are as outlined in the article 4 of JSC's TOR:

- (1) Networking
- (2) Information gathering
- (3) Knowledge dissemination and information sharing
- (4) Support to international donor organizations

The results of FY 2011 business activities are reported hereafter.

1. NETWORKING

(Coordination with international organizations, creation of a network with sanitation-related organizations and bodies in each country of the Asia-Pacific region)

1.1 2nd ADB and Partners Sanitation Dialogue

The 2nd ADB and Partners Sanitation Dialogue was held from 22 to 27 May 2011 in ADB Headquarters (Manila, Philippines). K. Hashimoto (JSC Advisor) and P. Flamand (JSC Survey Staff) attended this event. They introduced JSC activities and sanitation management in Japan.

1.1 Singapore International Water Week (SIWW) 2011

T. Kawai (JSC Director), M. Hamada (JSC Sewage Works Expert) and P. Flamand (JSC Survey Staff) participated at SIWW 2011, organized from 4 to 8 July 2011. In the GCUS booth where seminars were held, JSC staff made a presentation on its activities and networked with representatives of many countries.

1.2 6th World Water Forum

The 6th World Water Forum was organized in Marseille, France, from 12 to 17 March 2012. P. Flamand (JSC Survey Staff) participated at this event and was involved in the reclaimed water session as well as in the GCUS booth.

2. INFORMATION GATHERING

(Creation of a sanitation database for the Asia-Pacific region and execution of country assessments for sanitation improvement in each country of the region)

2.1 1st Country Assessment in the Kingdom of Bhutan

JSC collaborated with SNV, an international capacity development organization from the Netherlands, in an assistance project in Bhutan. This first initiative consisted in a country assessment conducted by M. Hamada (JSC Sewage Works Expert) and P. Flamand (JSC

Survey Staff) from 7 to 18 May 2011.

2.2 Japan-India Global Partnership - Summit 2011 Water Session, Preliminary Assessment

JSC answered a request made to its Secretariat for a preliminary assessment in preparation for the Japan-India Global Partnership-Summit 2011 to be held from 5 to 7 September 2011. For this assessment, M. Hamada (JSC Sewage Works Expert) joined the preliminary assessment team and visited Delhi, Ahmadabad, Mumbai and Chennai to investigate about water and sewerage services.

2.3 Japan-India Global Partnership - Summit 2011 Water Session, Main Assessment

Following the preliminary assessment, the main assessment was carried out from 9 to 16 July 2011. M. Hamada (JSC Sewage Works Expert) participated in the work of the main assessment team and conducted an investigation for the session on water and sewerage business.

2.4 2nd Country Assessment in the Kingdom of Bhutan

P. Flamand (JSC Survey Staff) and H. Kato (Japan Education Center of Environmental Sanitation, Department of Research and Development, Senior Researcher) conducted a country assessment from 16 to 28 August 2011 with the aim to make concrete propositions for sanitation improvement within the SSH4A Program framework of SNV Bhutan. From this assessment, the JSC team produced a report with several propositions for the collection and treatment of septage in small towns, as well as the improvement of a wastewater treatment plant and its sewer network in a town of Bhutan.

2.5 Information Gathering (entrusted work from the Ministry of Land, Infrastructure, Transport and Tourism, MLIT)

JSC gathered information on sanitation in various countries for an entrusted work from MLIT entitled: "Assessment for Sanitation Improvement in Developing Countries" (execution period: 7 November 2011 to 9 March 2012).

(1) Country Assessment in Malaysia

A country assessment in Malaysia has been conducted from 20 to 29 November 2011 by K. Hashimoto (JSC Advisor), I. Nakano (JSC On-site Sanitation Expert) and P. Flamand (JSC Survey Staff).

(2) Country Assessment in India

A country assessment in India has been carried out from 13 to 23 December 2011 by T. Kawai (JSC Director), K. Hashimoto (JSC Advisor), M. Hamada (JSC Sewage Works Expert), I. Nakano (JSC On-site Sanitation Expert), and A. Morita (Japan Environmental Sanitation

Center, JSC Support Office, Senior Technical Advisor). During this assessment, the JSC team visited Sikkim State, Himachal Pradesh State, Indian Institute of Technology Roorkee, and Sintex Industries Limited (johkasou manufacturer in Gujarat). Propositions for sanitation improvement have been made in a report addressed to Sikkim and Himachal Pradesh States.

(3) Country Assessment in Vietnam

A country assessment in Vietnam has been conducted from 19 to 25 February 2012 by T. Kawai (JSC Director), P. Flamand (JSC Survey Staff) and M. Sasaki (Sewerage Business Management Centre, Technology Section, Manager).

(4) 2nd Country Assessment in India

A 2nd country assessment has been conducted from 23 February to 2nd March 2012 by M. Hamada (JSC Sewage Works Expert), K. Hashimoto (JSC Advisor), X. Yang (Japan Education Center of Environmental sanitation, Planning and Information Division, Manager) mainly in Mizoram State.

3. KNOWLEDGE DISSEMINATION AND INFORMATION SHARING

(Diffusion of sanitation knowledge and experiences from developed countries; and organization of international seminars to exchange information and knowledge with developing countries)

3.1 JSC and Japanese Sanitation Mini-seminar at ADB Headquarters (Manila, Philippine)

To improve knowledge and cultivate a better understanding, JSC visited ADB Headquarters to present its activities and the sanitation policy and technologies developed in Japan to ADB's Water Supply and Sanitation Group. On this occasion, a mini-seminar which gathered about 20 ADB representatives was held on 26 April 2011.

3.2 Japan-India Global Partnership - Summit 2011

With the aim to strengthen the cooperation between Japan and India, a non-partisan event – the Japan-India Global Partnership - Summit 2011 – was held from 5 to 7 September 2011 in Tokyo. T. Kawai (JSC Director) participated in the 3rd day of this event in the panel discussion on water and sanitation business, and introduced JSC as well as sanitation management in Japan.

3.3 5th Meeting of Japan-India Joint Working Group on Urban Development

MLIT and the Ministry of Urban Development of India agreed on organizing alternatively once a year a meeting on urban development. On 16 September 2011 was held the 5th edition of this exchange meeting attended by T. Kawai (JSC Director) who participated in the Sub-working Group of Water Environment and made a presentation entitled: "Basic

Planning of Sewerage by Local Municipalities”.

3.4 ADBI-JSWA-JSC Regional Workshop on Sanitation (Wastewater and Sludge Management) in the Asia-Pacific

The Asian Development Bank Institute (ADBI), the Japan Sewage Works Association (JSWA) and JSC jointly organized a workshop on wastewater and sludge management from 4 to 6 October 2011, as a side event of the 4th IWA-Aspire Conference and Exhibition. Presentations were scheduled during the two first days of the workshop, while a field visit to wastewater and sludge treatment facilities took place during the third day.

The presentations included 14 themes from 10 countries and organizations (China, Korea, Vietnam, Malaysia, Singapore, Indonesia, Australia, Japan, and IWA and ADB). During the two days of presentations, the workshop was attended by about 170 people.

3.5 2nd IWA Development Congress & Exhibition

I. Nakano (JSC On-site Sanitation Expert) and P. Flamand (JSC Survey Staff) participated at this event, held from 21 to 24 November 2011 in Kuala Lumpur, Malaysia. Presentations were made on sanitation management and system selection.

3.6 Workshop on Urban Fecal Sludge Management – Problems and Solutions

The Hanoi University of Civil Engineering (HUCE), Hanoi Urban Environment Company (URENCO) and JSC jointly organized a workshop on urban fecal sludge management, held on 23 February 2012 in the campus of HUCE. Four themes were presented from Japan and three from Vietnam, for a total of seven themes. About 30 people attended the workshop.

3.7 Awareness Workshop

On 28 and 29 February 2012 were held an Awareness Workshop in Aizawl (Mizoram State, India) under the support of ADB, during which was organized a workshop on septage management in the afternoon session of 28 February. The speakers were T. Sakakibara (JICA Long-term Expert), M. Hamada (Sewage Works Expert), K. Hashimoto (JSC Advisor) and X. Yang (Japan Education Center of Environmental sanitation, Planning and Information Division, Manager). About 50 people from India attended the event.

3.8 Database Compilation

The collection of data for the creation of the JICA Master Plan for wastewater treatment in the capital city area of Jakarta was carried out by the JSC Sub-office. This included the arrangement of data on on-site sanitation technology for the creation of a JICA manual for operation and maintenance of sewerage systems in India, as well as the compilation of a database.

4. SUPPORT TO INTERNATIONAL DONOR ORGANIZATIONS

(Organization of training courses on sanitation, conduct of assessments for projects, advice for the selection of appropriate technologies, and introduction of experts to international donor organizations, such as ADB or JICA).

4.1 Participation in JICA Inquiry Commission

As a group member of the Japan-Indonesia Inquiry Commission for Policy on Water-related Problems, T. Kawai (JSC Director) participated at the preparation meeting of the Japan-Indonesia Reclaimed Waste Water Committee, held from 5 to 7 February 2012 in Denpasar, Indonesia.

5. OTHER ACTIVITIES

(1) FY 2011 JSC 3rd Steering Committee Meeting

On 21 April 2011 was held JSC's 3rd Steering Committee Meeting. On this occasion, the minutes of the previous Steering Committee meeting were confirmed, the results of the business activities were reported and the FY 2011 Business Plan was discussed. All of these documents have been approved.

(2) Annual Technical Conference on Sewerage, Oral Presentation (27 July, Tokyo)

At the 48th Annual Technical Conference on Sewerage organized by the Japan Sewage Works Association, M. Hamada (JSC Sewage Works Expert) made a presentation entitled: "Activities for International Cooperation of the Japan Sanitation Consortium (JSC)".

(3) Collaboration with the Japan Toilet Labo (NPO) for the Assessment of Damages Caused by the Tohoku Earthquake

JSC collaborated with the Japan Toilet Labo (NPO) for the assessment of the damages caused by the Tohoku Earthquake to toilets and sewerage systems. Field assessments were conducted in Otsuchi-cho, Rikuzentakata City, Kamaishi City, Tono City (Iwate Prefecture); and Kesenuma City (Miyagi Prefecture).

(4) Exhibition at InterAqua 2012 (15-17 February 2012)

JCS exhibited a panel in the GCUS Corner during InterAqua 2012 held in Tokyo Big Sight.

(5) International Assessment in relation to the 'Promotion Work for International Diffusion of Night Soil Treatment System' from the Ministry of the Environment (MOE)

In relation to the above-mentioned work, the Japan Education Center of Environmental Sanitation (JECES) conducted assessments on decentralized wastewater treatment systems in foreign countries.

- Attendance to the 1st ISO/TC224/WG8 Meeting

From 31 October to 6 November 2011, JECES attended the WG8 Meeting (Working on Onsite Domestic Wastewater Management Using Low Technologies), which also included field inspections and a workshop.

- Field Assessment in China

JECES visited the Department of Rural Construction, the Ministry of Housing and Urban-Rural Development; the North Research Center for Rural Wastewater Treatment Technology; the JICA China Office; the Jiangsu Provincial Academy of Environmental Science; the Southeast University; the Zhejiang Provincial Water Conservancy Science and Technology Promotion and Development Center; the Shanghai Municipal Engineering Design General Institute; and the Kubota China Holdings Co., Ltd. In addition, a field inspection of wastewater treatment facilities was conducted in two sites. During these visits, JECES gathered information and exchanged opinions with the different interlocutors.

- Field Assessment in Vietnam

From 19 to 24 December 2011, JECES visited the Ministry of Construction of Vietnam, the Vietnam Environment Administration, the Hanoi University of Civil Engineering, the Hanoi University of Technology, and an installed johkasou facility in a hospital. During these visits, JECES gathered information and exchanged opinions with different interlocutors.

(6) Workshop Organization from Research Project Participation (JSC Sub-office)

- Research for promotion of waste recycling (I. Nakano, Kyoto University and collaborative research with other institutions)
- Assessment of the trend for on-site sanitation treatment in Hanoi: September 2011
- Assessment of wastewater treatment facilities and attendance at a workshop for on-site sanitation in Bangkok, Thailand: October 2011
- Participation at a workshop on septage management in Hanoi, Vietnam