

For a Water Secure World

TEAM WATER JAPAN

and the Water Security Council of Japan



Contribution to Global Water Security

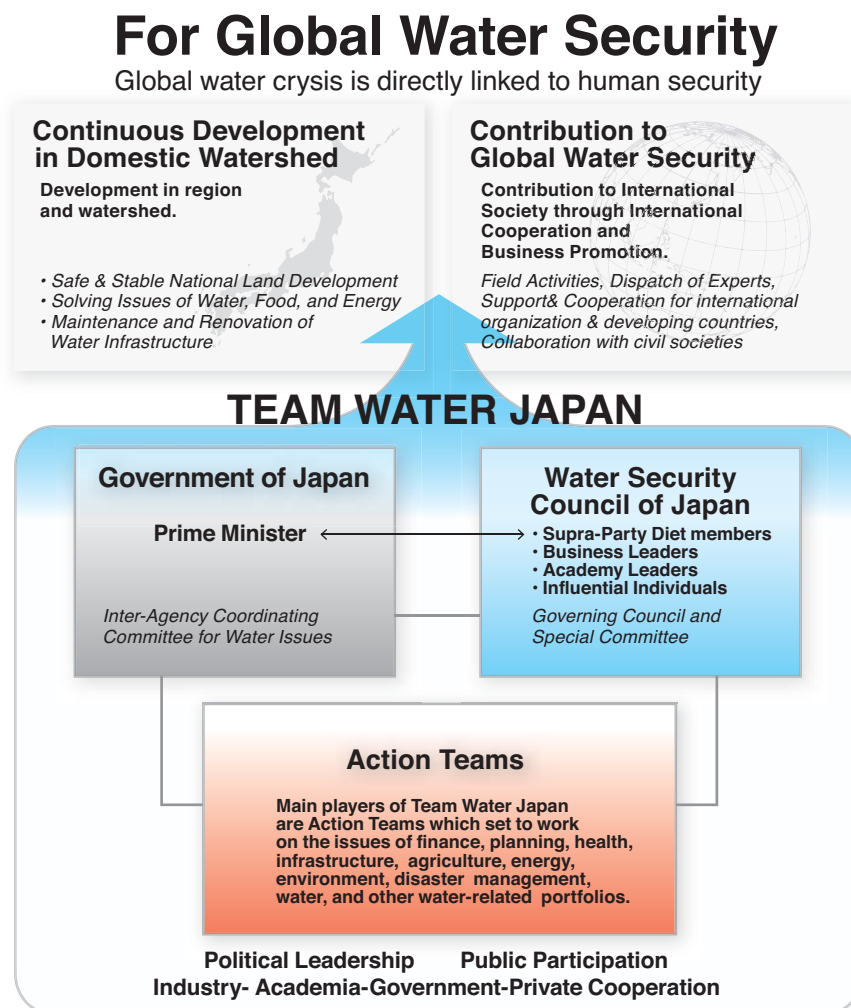
Japan's role and responsibility

In its long history, Japan has accumulated experiences and technologies, related to sharing and using limited water efficiently, by overcoming severe meteorological and topographical conditions. Japan must use these experiences and its technologies to contribute to the resolution of global water issues. Japan's advanced development and rich civilization have been made possible by importing great quantities of natural resources from across the globe and exporting manufactured products globally. Therefore, Japan now has a strong responsibility to contribute to the resolution of global water issues.

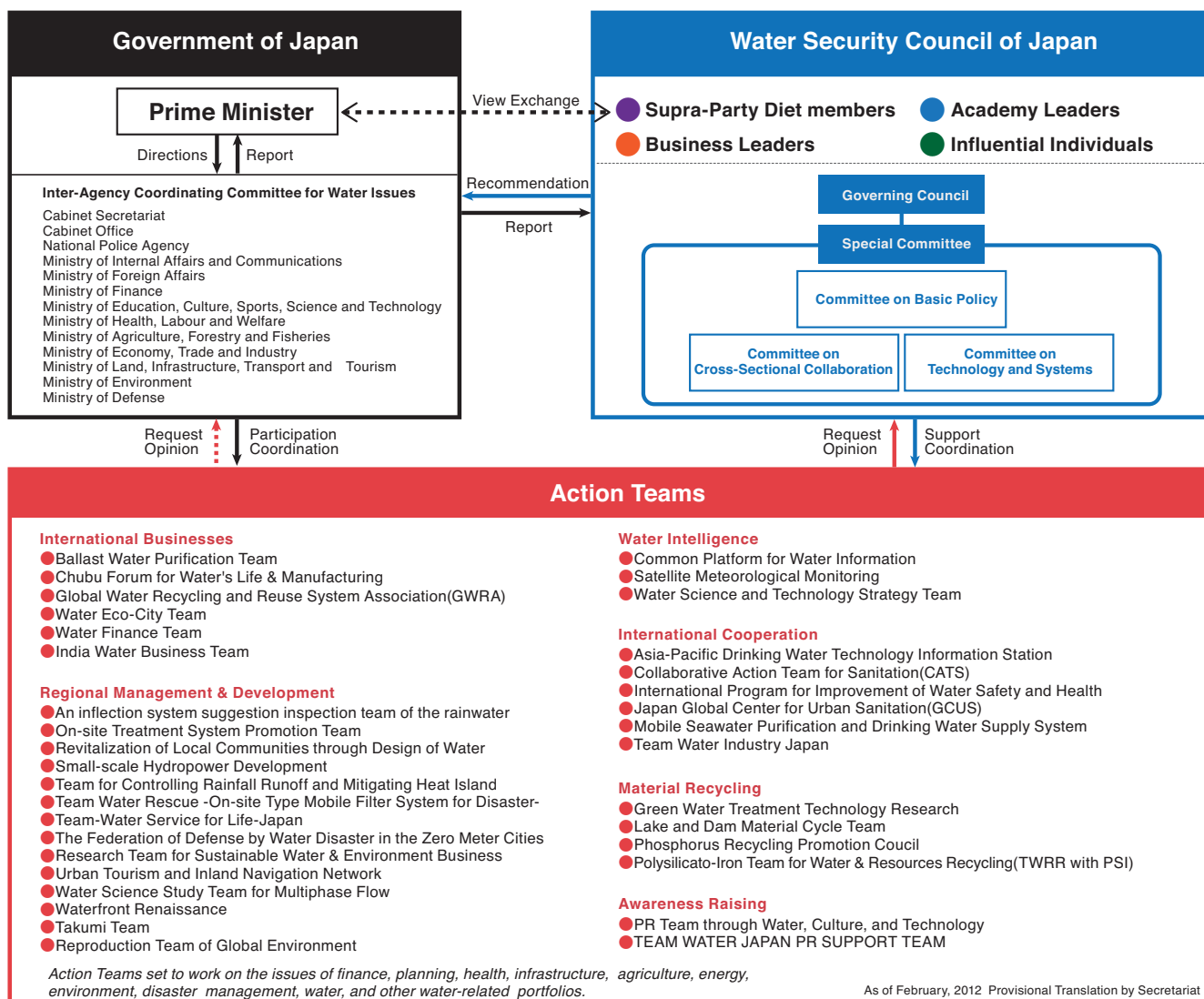
What is Team Water Japan?

“Team Water Japan” aims at the realization of a sustainable future through the resolution of global water issues.

Team Water Japan consists of three main layers: **“Action Teams”**, dealing with specific water challenges; **“the Water Security Council of Japan”**, established as a cross-sectoral organization under ^{*} the banners of political leadership, aiming at public participation as well as Industry- Academia-Government-Private Cooperation and it intends to assist the activities of Action Teams with the formulation of policy recommendations; and **“the Inter-Agency Coordinating Committee for Water Issues”** at home and abroad.



^{*} The 1st Asia-Pacific Water Summit (APWS) was held in Japan, 2007. It focused on the theme of **“Water Security: Leadership and Commitment”**. Heads of state and government, and other national leaders from Asia and the Pacific gathered to raise the awareness of water issues and to share in a determination to take concrete actions towards the resolution of water issues. **“Ministers for Water Security Initiative in the Asia-Pacific Region”** is the one of the concrete initiatives of the APWS, which promotes and disseminates the work of ministers and other leaders in the region to take concrete steps for increasing water security.



Through coming together from all sectors of Japan. "Team Water Japan" has the will to support water security activities around the world.

Organization

Action Teams

Main players of "Team Water Japan" are Action Teams which have been launched and are set to work on the issues of finance, planning, health, infrastructure, agriculture, energy, environment, disaster management, water, and other water-related portfolios.

Water Security Council of JAPAN

Japan is putting its might towards tackling water security issues by creating the Water Security Council of Japan (WSCJ), which was established on January 30th, 2009. Thirty-eight members of the governing council comprising leaders from politics, business and academia was assembled in response to a call by H.E. Mr. Yoshiro Mori, former Prime Minister of Japan; Mr. Fujio Mitarai, a former Chairman of the Federation of Economic Organizations (Keidanren); and Dr. Norihito Tambo, a Professor Emeritus at Hokkaido University.

The WSCJ intends to assist the activities of Action Teams with the formulation of policy recommendations, through which private companies, academic experts, government ministries, local governments and civil society are to collaborate beyond sectoral boundaries for the resolution of domestic as well as global water issues.

Inter-Agency Coordinating Committee for Water Issues, Government of Japan

The Inter-Agency Coordinating Committee for Water Issues has been set up in the Cabinet. It aims to promote cooperation between related ministries and agencies by exchanging information and opinions with regard to water issues in Japan and abroad, including ways of securing water resources for Japan and how to contribute to the solution of water crises across the world.

Our Activities

for Continuous Development in domestic watershed

Policy Recommendations

We are committed to plan policy recommendations to resolve global water issues. It also conducts research and studies in specific water related challenges for affected areas.

Towards River Basin Water Management in Low-Carbon Society

At the Special committee of the WSCJ, a number of discussions are being held by a number of its relevant authorities, including representatives from Water-related organizations, academia from different fields. These discussions are included, Integrated Surface and Sub-Surface Water Management System, the establishment of potential wide regions in water business, issues related to sewerage, financial issues associated with sewerage projects on a medium and small scale and the water management of agricultural water. With these themes, “River Basin Water Management in Low-Carbon Society” has been discussed and now, its proposals are in the making.

The recommendation of Water Issues was presented to the Inter-Agency Coordinating Committee for Water Issues, the Government of Japan

The recommendation prepared by Action Teams and the Special Committee of the WSCJ, for Water Issues on three particular topics, was presented to the Inter-Agency Coordinating Committee for Water Issues, which is composed of thirteen ministries and agencies. These topics are as follows;

- a: Water supply and sanitation during and after disasters
- b: Promotion of a recycling system for water-related materials
- c: Acceleration of water aid and water business overseas

The Great East Japan Earthquake and Tsunami

Field research at Tohoku district after the Great East Japan Earthquake and Tsunami

The investigation, carried out in April, 2011 after the Great East Japan Earthquake, on affected regions in northeast Japan (including Minamisanriku and Kesennuma Town in Miyagi Prefecture, Rikuzentakata and Oofunato Town in Iwate Prefecture) was comprised of three purposes. These are;

- a: to investigate affected water and sewerage facilities
- b: to investigate the drinking water supply
- c: to investigate situations of affected regions by Tsunami



Hearing Investigation



Sewerage facilities in disaster-struck areas



River Dike in disaster-struck areas



Remediation activities by engineers in water service

Urgent Recommendation to Japanese Society in the Wake of the Great East Japan Earthquake and Tsunami

With regard to the devastating Great East Japan Earthquake and Tsunami, the WSCJ has presented its recommendations on how to create a sustainable water-cycle society to various ministries and agencies, Diet members, governors and heads of municipalities in Iwate, Miyagi, and Fukushima prefectures.



Urgent Recommendation

to Japanese Society in the Wake of the Great East Japan Earthquake and Tsunami

Towards a Strong Resilient Low-Carbon Society with Smart Water Recycling Systems

I Reconstruction of Cities and the Nation Disaster Resistant

- Refit sub-sea-level area in major cities disaster resistant
- Review land use in coastal area and alluvial plain, and launch disaster resistant zones
- Restore tsunami hit area to a revolutionary high-value agricultural and fishery zone (complexes)
- Promote much more earthquake resistant water supply and sewage systems

II Development of Resilient Regions

- Create wide-area information sharing systems for water and wastewater works with advanced information technology
- Construct a much stronger cooperation net work among regional water enterprises in both crisis and normal time
- Operate dams more flexible in time of disaster in order to use the storage for emergency
- Promote the maintenance and management capability of forest conservation and production works, and irrigation net works in collaboration with residents living in urban areas

III Creation of a sound Water-Cycling Society

- Map ground water aquifers accurately and quantitatively in order to develop proper ground water conservation and utilization systems
- Preserve and develop regional ground water resources for disasters
- Develop comprehensive water supply and sewage systems with high level training systems for water engineers
- Develop an urban metabolic system of water on the sound ecological system with proper material recycle on a basin

IV Creation of a Low-Carbon Society

- Boost hydro power energy by re-examining the operation of dams and re-fixing them for a new scheme
- Create dispersed regional energy sources utilizing micro-hydro, winds, and solar power generations
- Re-design the water transmission and distribution systems with a gravitational flow oriented regimes to save energy
- Utilize sewage sludge as a source of energy and fertilizer for the future recycling society

The Water Security Council of Japan, which is composed water experts, intends to do its best to find measures for dealing with radiation contaminated water, which will continue to pose a threat to Japan as well as the rest of the world. We will mobilize all human resources across administrative, academic, and corporate boundaries, and share transparent information in order to resolve the problem.

This document was finalized at the 8th meeting of the Committee on Basic Strategy of the Water Security Council of Japan on April 6.
About 800 copies were distributed to various ministries and agencies as well as all Diet members.

<http://www.waterforum.jp/twj/>

Transmitting information to the Seoul International Symposium on Waterworks

The WSCJ announced to the world for its “Urgent Recommendation to Japanese Society in the Wake of the Great East Japan Earthquake and Tsunami” at the Seoul International Symposium on Waterworks, which was organized by the Seoul Waterworks Research Institute under the theme of “Safety and Sustainability of Drinking Water”. It has also published information on the influence of radioactive substances on drinking water and counter-measures against it.

Transmitting information to the 4th IWA-ASPIRE Conference

The WSCJ publicized “Urgent Recommendation to Japanese Society in the Wake of the Great East Japan Earthquake and Tsunami”, along with other documents, at the Workshop on Eastern Japan Disaster Resilience, held at the 4th International Water Association-Asia Pacific Region Conference (IWA-ASPIRE), whose theme was “Toward Sustainable Water Supply and Recycling Systems”.

Transmitting information to the Great East Japan Earthquake Reconstruction Symposium

The Great East Japan Earthquake Reconstruction Symposium was organized by the Japan Suido Shinbun to discuss the challenges of reconstruction and to describe desirable water infrastructure. Taking part were heads of municipalities in the Tohoku Region. At the symposium, the WSCJ described how to create a sustainable water-cycle society.

Our Activities

for Contribution to Global Water Security

The Contribution to international society through international cooperation and business promotion

Policy Recommendations

Submitting petition for Enhancing Overseas Development of Water Aid and Water Business

The WSCJ has submitted a petition to the government calling for the establishment of a national flagship team (for example, a public-private consortium) suited to the conditions of each partner country and region. It also emphasized the necessity of cooperation and coordination among related ministries on issues involving various sectors, as well as political dialogue with the governments of other countries, and the formulation of long-term strategies.

Focus theme: Base of the Pyramid (BOP) Water Business

Project assessment by water-related organizations and NPO

With the hope of promoting partnerships with BOP (Base Of the Pyramid) business, the Japan International Cooperation Agency (JICA) has begun the Preparatory Survey for BOP Business Promotion, a scheme for formulating project plans based on the proposals by private sector. In order to assess, among other things, how projects selected by JICA affect local employment and their social impact, an assessment committee composed of water-related organizations and NPOs has been set up, which selects the evaluation criteria, and offers advice and support.



Setting up the Ad hoc committee on BOP Water Business

With a view to raising awareness of BOP water business and contributing to the improvement of sustainable water and sanitation, an executive committee has been set up. It is composed of project teams selected by JICA, international organizations and academics.



Organizing the event about BOP Water Business at the 6th World Water Forum in Marseille, France

At the 6th World Water Forum held in Marseille, France, the Ad hoc committee on BOP Water Business and JICA are to plan “the side event on BOP water business”.

Focus theme: River Basin Water Management in Low-Carbon Society

United Nations Conference on Sustainable Development (RIO+20)

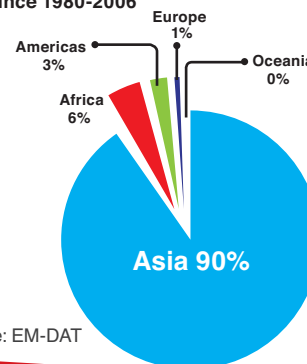
An input document, compiled by Japanese stakeholders, has been submitted to the secretariat of the Rio+20 meeting, which is to take place in June, 2012. In formulating the document, the WSCJ proposed “River Basin Water Management in Low-Carbon Society” on behalf of organizations in the water sector.

Focus theme: Natural Disaster Risk Reduction

Organizing the technical session at the Second Asia-Pacific Water Summit (2nd APWS) in Bangkok, Thailand

The Asia-Pacific Region is especially vulnerable to water-related disasters and has suffered tremendous losses from them. Natural disasters such as floods, Tsunami, and other water problems have been getting worse. Therefore, at the 2nd Asia-Pacific Water Summit (APWS) to be held in Bangkok, Thailand, the WSCJ is planning a session aimed at sharing experiences and lessons learned by both Japan and Thailand and finding solutions to water problems.

Ratio of affected people by water-related disasters in different continent since 1980-2006



source: EM-DAT

Regional theme: India

Field Research in India

The Research group and the WSCJ visited heads of water and sewer departments in Delhi, and in the state of Haryana, Maharashtra, and Tamil Nadu in order to ascertain the present status, problems and needs of water and sewerage systems. The research group consisted of delegates from various organizations, including the City of Kitakyushu, private companies.



Field Research on the sewerage systems in the state of Haryana, India



The Water Business session at India-Japan Global Partnership Summit 2011 in Tokyo, Japan

The WSCJ hosted a business session on water infrastructure at the India-Japan Global Partnership Summit (IJGPS). With the aim of tackling water issues in India and promoting water business between the two countries, water-supply corporations, water-related organizations, and private companies from India and Japan got together to discuss concrete financial and technical measures for support and cooperation in business.



The Water Business session at the India-Japan Global Partnership Summit 2011



Transmitting Japan's Expertise to the World

We make the best of efforts to diffuse Japan's accumulated water related expertise and technologies to the world at various international exhibitions and conferences.

Exhibitions at the Singapore International Water Week (SIWW) and Inter Aqua

Publicizing the activities of Team Water Japan at the WHO Meeting

WHO's meetings on guidelines for drinking water quality and on water quality strategy have been held in Tokyo. At these meetings, the secretariat of the WSCJ publicized the activities of Team Water Japan, which is an action body for the resolution of water issues at home and abroad.



Japan Pavilion at the Singapore International Water Week (SIWW)



Chairman

Norihito Tambo President, Hokkaido Research Organization / Professor Emeritus, Hokkaido University
 Ex-President, International Water Association / Professor Emeritus, Open University of Japan

Supra-Party Diet members

Business Leaders

Satoshi Mukuta Managing Director, Keidanren
 Yuzo Takayabu Executive Director, Japan Project-Industry Council
 Masami Ito Representative, Limited Liability Partnership Global Water Recycling and Reuse System Association, Japan
 Yoshihiko Misono Executive Director, Japan Water Works Association
 Hiromichi Sakamoto Director General, Federation of Japan Water Industries, Inc.
 Masahiro Fujiwara President, Japan Water Research Center
 Masaru Kurihara Senior Scientific Director, "Mega-ton Water System" Funding Program for World Leading Innovation R&D on Science Technology, Japan / Fellow, Toray Ind. Inc. / President, Japan Desalination Association
 Kingo Saeki Executive Director, Japan Sewage Works Association
 Ichiro Kobayashi Executive Director, Japan Sewage Treatment Plant Constructors Association
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 Yasuhiko Kobayashi Chairman, Japan Environmental Sanitation Center
 Makoto Yokozawa Director, Agricultural Development Consultants Association
 Toshiyuki Sato Chairman of Directors, MINKATSU(Organization for the Development of Private Participation in Public Projects)

Academy Leaders

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 Katumi Musiaki Professor Emeritus, The University of Tokyo / Professor Emeritus, Fukushima University
 Saburo Matsui Professor Emeritus, Kyoto University
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 Takhiko Ohta Professor Emeritus, The University of Tokyo
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 Shinichiro Ohgaki President, National Institute for Environmental Studies
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 Tadashi Yamada Professor, CHUO University
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 Nobuo Mimura Professor, Ibaraki University
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Influential Individuals

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 Jiro Matsuda Director-general, Bureau of Sewerage, Tokyo Metropolitan Government
 Masao Yamamoto Supervisor, City of Obihiro Public Enterprise
 Youko Sawada Vice President, All-Japan Prefectural and Municipal Workers Union
 Yoshinori Imai Former President, Asia-Pacific Broadcasting Union / Former Vice President, Japan Broadcasting Cooperation
 Akihiko Koya Adviser, Local Newspapers Union
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