



Japan Sanitation Consortium (JSC)
Regional Water Knowledge Hub for Sanitation

JSC Sanitation KnowledgeHub's Expertise

The Japan Sanitation Consortium (JSC) was established in 2009 as the Asia-Pacific Water Forum (APWF)'s *KnowledgeHub* for sanitation in the Asia-Pacific region. JSC is a unique organization that brings together Japan's know-how and years of accumulated knowledge and experiences in wastewater, sludge and night soil management. JSC gathers through its five member organizations – the main agencies in charge of wastewater, sludge and night soil management in Japan – a comprehensive expertise in areas such as technology, management (operation and maintenance), human resource development, institutional and policy strengthening.

To increase access to sanitation and promote sustainable sanitation improvement, JSC's expertise covers a wide range of sanitation systems in the following fields:

- Basic sanitation (toilets)
- On-site sanitation (decentralized wastewater treatment systems such as the Packaged Aerated Wastewater Treatment Plant (PAWTP) or johkasou, night soil/sludge collection and treatment systems)
- Off-site sanitation (various scales and types of sewerage systems)
- Sludge recycling, wastewater reuse and energy recovery.

JSC Sanitation KnowledgeHub's Services

As the *KnowledgeHub* for sanitation, JSC's main goal is to exchange information and knowledge to support the countries of the Asia-Pacific region with low access to sanitation and/or facing sanitation issues. JSC aims to connect these countries to sustainable solutions and help them increasing access to sanitation as well as acquiring the appropriate capacity to develop, diffuse and properly manage sanitation facilities for the improvement of public health and the reduction of water pollution.

Among its activities, JSC conducts comprehensive sanitation assessments and offers strategies for long-term improvement. Although not selling technology, JSC provides technical expertise and fair advice for technology selection to ensure the implementation of systems best suited to conditions and needs at local or national levels. In addition, JSC advocates for policy development and investment in sanitation.

More specifically, JSC's services and activities are as follows:

- Networking: establishing and operating an information network in sanitation with related organizations in each country of the Asia-Pacific region, in collaboration with international donor organizations;
- Information gathering: creating a sanitation database for the Asia-Pacific region, and conducting assessments and research for sanitation improvement with a team including members from government, industry and academia;
- Knowledge dissemination and information sharing: organizing international seminars and conferences to share knowledge, information and experiences in the sanitation field;
- Support to international donor organizations (ADB, JICA, UNICEF, WORLD BANK, UN-HABITAT, etc.): conducting training to develop human resources and field assessments; providing expert advice for the selection of appropriate technologies, and assistance to projects and operations developed by international donor organizations;
- Collaboration with international donor organizations as well as other partner organizations – including UNICEF and WTO – and the Japanese Government.

JSC Sanitation KnowledgeHub's Partners

JSC consists of the following professional organizations for on-site and off-site wastewater/sludge management in Japan:

On-site sanitation:

- Japan Environmental Sanitation Center (JESC): management of night soil/sludge collection and treatment
- Japan Education Center of Environmental Sanitation (JECES): johkasou system management

Off-site sanitation:

- Sewerage Business Management Centre (SBMC): sewage works engineering training
- Japan Sewerage Works Association (JSWA): sewage works research and collaboration with local governments
- Japan Sewerage Works Agency (JS): staff training; research and technology development; planning, design and construction of wastewater treatment plants

JSC also closely collaborates with various national and international organizations for sanitation improvement in the region. JSC's current partner organizations are:

- Asian Development Bank (ADB)
- Japan International Cooperation Agency (JICA)
- Japan Institute of Wastewater Technology (JIWET)
- United Nations Children's Fund (UNICEF) Tokyo Office
- Japan Toilet Labo (JTL)
- Japan Water Forum (JWF)
- Japan Global Center for Urban Sanitation (GCUS)
- World Toilet Organization (WTO)
- Water and Environment Solution Hub (WES Hub) with cities of Kitakyushu, Osaka, Tokyo, Yokohama, Kobe and Fukuoka

To increase the exchange of information and the diffusion of knowledge and good sanitation practices, JSC is seeking for new partners. We welcome private/public organizations, government agencies, non-governmental organizations, academic institutions, and other interested parties in the Asia-Pacific region to join our *Sanitation KnowledgeHub's* network.

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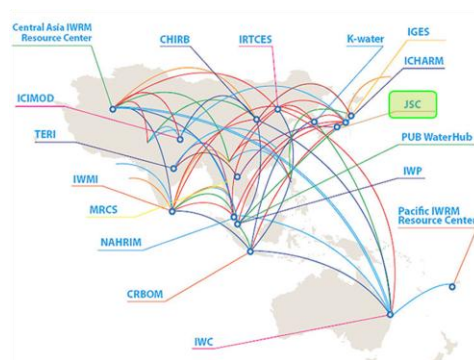
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About KnowledgeHubs

KnowledgeHubs, the Asia-Pacific Water Forum's network of regional water knowledge hubs, is a family of internationally recognized institutions committed to generating and sharing water knowledge and building capacity in the Asia-Pacific region. Each hub takes the lead in networking with clients and partners on a priority water topic such as urban water management, water quality in river basins, flood management, river basin organizations and management, water and climate change adaptation, hydroinformatics,

irrigation service reform, water governance, and more. For more information, visit www.apwf-knowledgehubs.net

About the Asia-Pacific Water Forum

The Asia-Pacific Water Forum is an independent, not-for-profit, nonpartisan, and nonpolitical network dedicated to improving sustainable water management by championing best practices, boosting investments, building capacity, and enhancing cooperation in the water sector. For more information, visit www.apwf.org