

# Japan Environmental Sanitation Center



## Outline

Name of organization :

**Japan Environmental Sanitation Center (JESC)**

Locations :

Head Office/East Branch Office:

10-6 Yotsuyakami-cho, Kawasaki-ku, Kawasaki City, Kanagawa 210-0828

West Branch Office:

5-11 Shirakibaru 3-chome, Onojo City, Fukuoka 816-0943

Asia Center for Air Pollution Research:

1182 Sowa, Nishi-ku, Niigata City, Niigata 950-2144

Establishment : February 12, 1954

Incorporation : March 12, 1956

Mission statement :

As a nonprofit organization geared towards the improvement of the living environment, JESC actively pursues environmental protection and conservation through the whole range of its activities, and thereby contributes to worldwide efforts to create a healthier global environment for the future.

Members :

Special members (prefectural governments)

Regular members (municipal governments and intermunicipal cooperatives)

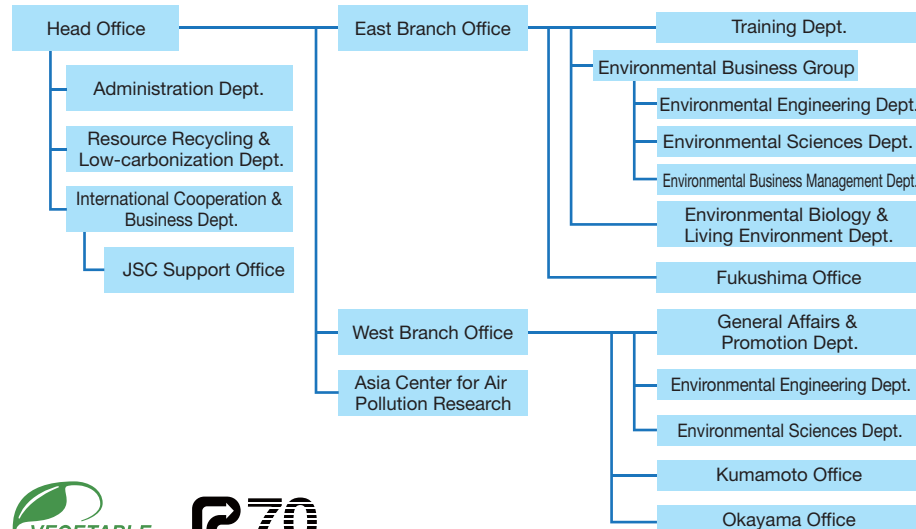
Supporting members (private companies and others)

URL: <http://www.jesc.or.jp/>

Acquisition of  
ISO 14001  
certifications



## Organization chart



### ■ Head Office

10-6 Yotsuyakami-cho, Kawasaki-ku,  
Kawasaki City, Kanagawa 210-0828

Administration Dept.

TEL : 044-288-4896 FAX : 044-299-2294

Resource Recycling & Low-carbonization Dept.

TEL : 044-288-5093 FAX : 044-288-5217

International Cooperation & Business Dept.

TEL : 044-288-4937 FAX : 044-288-5217

### ■ East Branch Office

10-6 Yotsuyakami-cho, Kawasaki-ku,  
Kawasaki City, Kanagawa 210-0828

Training Dept.

TEL : 044-288-4818

Environmental Engineering Dept.

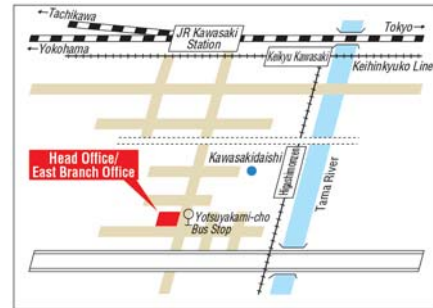
TEL : 044-288-4997

Environmental Sciences Dept.

TEL : 044-288-5130

Environmental Biology & Living Environment Dept.

TEL : 044-288-4878



### ■ West Branch Office

5-11 Shirakibaru 3-chome, Onojo City,  
Fukuoka 816-0943

General Affairs & Promotion Dept.

TEL : 092-593-8225 FAX : 092-572-1218

Environmental Engineering Dept.

TEL : 092-593-8240

Environmental Sciences Dept.

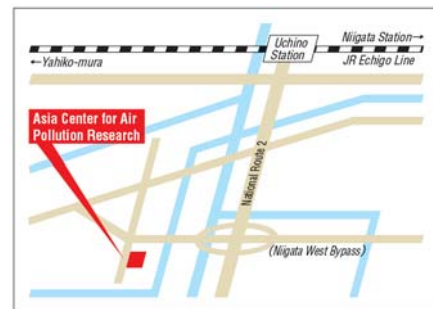
TEL : 092-593-8237



### ■ Asia Center for Air Pollution Research

1182 Sowa, Nishi-ku, Niigata City, Niigata 950-2144

TEL : 025-263-0550 FAX : 025-263-0566



# JESC GUIDE



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JAPAN ENVIRONMENTAL SANITATION CENTER

# In Pursuit of a Plentiful and Comfortable Living Environment

The Japan Environmental Sanitation Center (JESC), a nonprofit organization, was founded in 1954 and began its operations as a newly reformed organization in 2012 with a mission to disseminate environmental sanitation measures and provide technical guidance.

In the beginning, JESC mainly worked on insect pest control and community hygiene promotion, but has over the years strengthened its activities in the fields of environmental sanitation and pollution control in response to the evolutionary development of industrial activities, urbanization and changes in people's lifestyles.

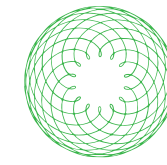
Today, JESC investigates environmental issues in general, on a local and global scale. In the area of waste management, JESC engages in diverse activities relating to waste treatment and the 3R as part of Japan's efforts to create a sound material-cycle society. In the area of environmental biology, JESC has been

strengthening activities focused on the living environment and provides inspection services aimed at protecting against house dust, vectors and nuisances of medical importance. Training and education in these areas designed to foster specialists and help them increase their expertise is another important pillar of JESC's activities.

Over time, issues related to the living environment have increased in complexity, so much so that they require new approaches. JESC will continue striving towards the resolution of various living-environment-related problems in cooperation with the national government, local governments, universities and related institutions, private companies and outside experts. It hopes to convey the knowledge obtained from such activities to various organizations and individuals, both in and outside Japan, so as to contribute to the resolution of living-environment-related problems on a global scale.

## JESC's comprehensive activities in solving environmental problems

When it comes to environmental problems, the most important thing is to devise a comprehensive set of measures. This is because none of today's environmental problems can be solved using an approach based on a single discipline. As Japan's pioneer in environmental sanitation, JESC boasts a long history in this area, and has put in place a system which enables experienced specialists from various fields to fully realize their abilities and cooperate with one another.



## Public Information Activities

JESC strives to ensure environmental conservation and a pleasant living environment through providing information by various means.

- Hosting of the National Convention for Pleasant Living Environment
- Publication of a monthly journal titled "Life and Environment"
- Publication of environment related books
- Participation in exhibition

### The National Convention for Pleasant Living Environment

JESC has been organizing a national convention for disseminating environmental conservation and information exchanges among national and local governments, private companies and citizens. Since 1957, the convention has been held every year with total of about 2,000 participants.



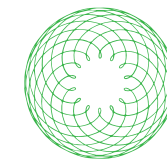
National convention



Exhibition held at the national convention



Monthly journal "Life and Environment"



## Activities to Foster Specialists

JESC conducts seminars and training courses to foster specialists and help them increase their expertise.

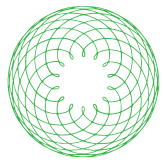
- Waste treatment facility technical manager seminar
- Proper industrial waste management promotion seminar
- Municipal solid waste collection, transportation and disposal contractor seminar
- Waste management training course for public officials
- Asbestos surveyors training course



Seminar text books



JESC implements various kinds of seminars



## Activities to Promote Proper Management of Waste

JESC comprehensively supports the proper management of waste geared towards the establishment of a sound material-cycle society, ranging from designing waste management plan to managing construction, operation and maintenance of the plant.

- Functional inspection of municipal solid waste treatment facilities
- Preliminary technical support for the formulation of waste management plans, etc.
- Support for formulating local implementation plans geared towards the establishment of a sound material-cycle society
- Support for formulating basic plans for waste treatment facilities
- Support for the construction of waste treatment facilities
- Support for PFI programs
- Environmental impact studies
- Fact-finding surveys on waste management
- Preliminary studies for final disposal site planning
- Studies for the utilization of waste-to-energy as a renewable energy source
- Technical assistance for disaster waste management

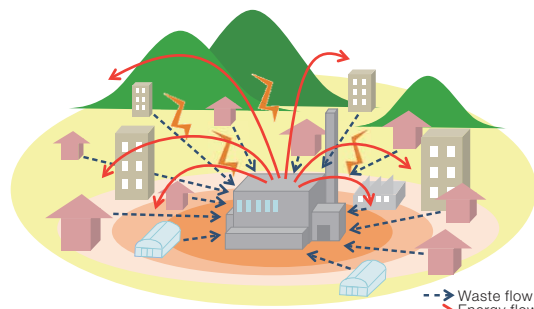


Inspecting an incineration plant

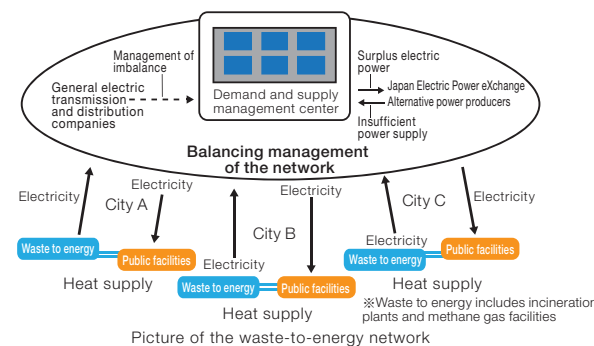
### Activities to promote renewable energy

After the Great East Japan Earthquake and nuclear power plant accidents in 2011, JESC has been actively working on studies for utilizing waste as a renewable energy source.

- Study on sophistication of waste conversion into energy
- Study to promote utilization plan of providing energy from waste treatment
- Feasibility study of a local energy project through a waste-to-energy network
- Study to promote a low-carbon and sound material-cycle society utilizing energy derived from waste treatment



Picture of a waste management facility as a base for local energy supply



Picture of the waste-to-energy network

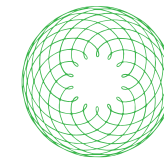
### Technical assistance for disaster waste management

Through the experience JESC has gained in dealing with disaster waste management since the Great East Japan Earthquake in 2011, JESC conducts technical assistance to help prevent future large-scale disasters.

- Assistance to formulate a disaster waste management plan
- Technical assistance to remove and dispose of disaster waste
- Implementation of training courses on disaster waste management for local governments



※ JESC is a member of D.Waste-net  
JESC is a participating member of D.Waste-net, a human network for assisting in disaster waste management. D.Waste-net is composed of experts and organizations that aim to utilize their knowledge and technology in cooperation with the Japanese national and local governments as well as private companies.



## Activities to Help Advance Environmental Protection and Conservation

JESC tackles diverse environmental issues ranging from local to global environmental problems.

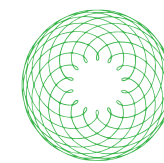
- Study and analysis relating to PM2.5 and other air pollutants
- Evaluation of ozone-depleting substances and greenhouse gases
- International technical support toward the improvement of air quality
- Implementation of interlaboratory study for environmental measurement and analysis
- Evaluation of POPs and other trace chemicals
- Consulting service for hazardous waste



Parallel test of PM2.5 continuous measurement equipments



Site observation for the VOC emission measures



## Activities to Control Vectors and Nuisances

JESC helps to make people's lives more pleasant by implementing research, investigations and consultations on controlling vectors and nuisances of medical importance.

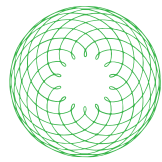
- Research, investigations and consultations concerning vectors and nuisances of medical importance
- Efficacy evaluation of pesticides, pest control devices, etc.
- House dust mite and Japanese cedar pollen allergen measurements
- Aquatic insects survey
- Rodent / noxious insect eradication training
- Pestology practical training course
- Pest control technician training course
- Mosquito vector control practical seminar
- Noxious insect-related contamination management seminar



Breeding various kinds of vectors and nuisances for experiments



Efficacy evaluation of pesticides



## International Cooperation Activities

JESC contributes to the improvement of the environment and sanitation in developing countries through various international cooperation activities.

- 3R Conference for Asian Local Governments
- Implementation of training programs
- Overseas dispatch of experts
- Sanitation Knowledge Hub's activities of JSC (Japan Sanitation Consortium)
- Networking with environmental organizations in Asian countries
- Implementation of international conferences and seminars
- Publication of an English-language newsletter (JESC NEWS)

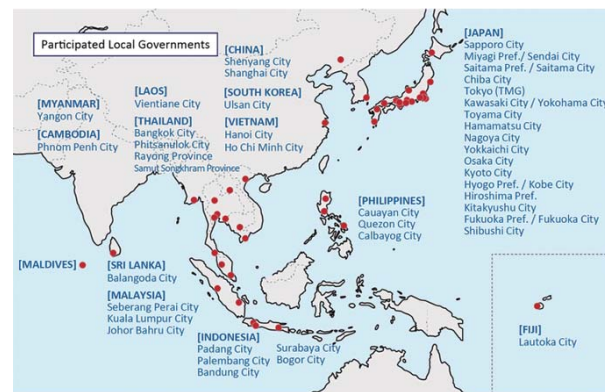
### The 3R Conference for Asian Local Governments

JESC has successfully organized the 3R Conference for Asian Local Governments every year since 2008. Throughout the 3R conference, various local governments from Asia have shared their 3R implementation status and their confirmed achievements.

JESC sees the conference as a platform for Asian local governments to gather and share information and discuss common issues with the aim of achieving sustainable means to live together in a sustainable Asia.



Implementation of international conferences



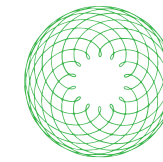
Participated local governments

### Implementation of Training Programs

JESC has implemented JICA training courses for human resource development of developing countries. We have accepted 1,864 trainees as of 2016 from 121 countries since 1968. We have also implemented training courses contracted by the Ministry of the Environment to promote sound material-cycle society since 2011.



Site visit by overseas training participants



## Asia Center for Air Pollution Research(ACAP) Activities

JESC strives to help improve the environment of East Asia through its activities as the Network Center for the Acid Deposition Monitoring Network in East Asia.

Asia Center for Air Pollution Research (formally the Acid Deposition and Oxidant Research Center until June 2010) handles scientific and technical matters of the Acid Deposition Monitoring Network in East Asia (EANET), a regional initiative for promoting cooperation in addressing acid deposition issues in East Asia, and is one of the hubs of research on air pollution in the region, including acid deposition and related air pollutant such as PM2.5 and Ozone.

- Compilation, storage, evaluation and supply of monitoring data and related information
- Implementation of training and other programs aimed at ensuring data accuracy
- Research and investigation into acid deposition and related air pollutant such as PM2.5 and Ozone
- Public awareness and capacity building activities



Asia Center for Air Pollution Research (ACAP)



Participating countries of EANET

### What is EANET?

With its secretariat located at the UN Environment Asia Pacific Office, the Acid Deposition Monitoring Network in East Asia (EANET) aims to elucidate the present state and impact of acid deposition and related air pollution in East Asia through acid deposition monitoring by member countries (currently 13) using a standardized technique and promote regional cooperation regarding the acid deposition and related air pollution problem. The Asia Center for Air Pollution Research (ACAP) has been undertaking a role as a Network Center for EANET.

