

Precondition and Prospect for the Development of Johkasoh in Asia

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Water Supply and Sanitation Decade(1981-1990)

- Low cost on- site sanitation for use in dispersed housing areas was the subject of much research and development

Instructions from WSSD

- The choice of sanitation service should be taken into consideration
- Initial Cost
- The cost of operation and maintenance
- The capacity of the agency to keep the service in good operating condition

Instructions from WSSD(2)

- Require introductory projects to promote awareness of social and public needs, involving technical cooperation between the local agencies

Case studies of introductory projects

- Ministry of the Environment (or Ministry of Health and Welfare until 2000) of Japan has conducted an introductory project of Johkasou to Cirebon City, Indonesia since 1994.

Case studies of introductory projects(2)

- JICA(Japan International Cooperation Agency) has conducted the water environment restration pilot project in TAIHU LAKE in China since 2001.

Advocacy

- The session of Johkasou was organised at the 3rd World Water Forum on March 2003.
- Ministry of Environment created a portfolio of Water Action of Technology transfer of the on-site treatment system of domestic waste water.

Advocacy(2)

- Seminars were organized in Republic of Benin, Romania, Independent State of Samoa and Vietnam.
- International symposiums were organized in Japan 2003 and in China 2004.

Preconditions for the development of Johkasou in Asia

- In order to put forth the development of Johkasou in Asia, several issues will be need to be clarified, such as
 - a) the actual condition of wastewater treatment and sludge disposal

Preconditions (2)

- b) the actual condition of the awareness of social and public need
- c) the actual condition of the commercial system relevant to Johkasou

Preconditions(3)

- d) the allowable level of initial cost and the cost of operation and maintenance
- e) the actual condition of legal system relevant to Johkasou

Recommendations

- The prospect for the development of Johkasou in Asia
- The strategy of establishing the cooperation and coordination system between public sector and private sector

Recommendations(2)

- Action plan for development of Johkasou in Asia
- Possible other features
 - Production of composts
 - Contribution to reduction of CO₂ emission instead of CH₄