



The 5th Kitakyushu Initiative Network Meeting
February 10-11, 2010

Session A: Sanitation and Low-cost Wastewater Management System Models

9:30 -12:00 Empire Room

Session Introduction
by IGES

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Session A Introduction

- The objectives of Session A
- Overall background
- Today's presentations and the topics
- Discussion points

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• The objectives of Session A

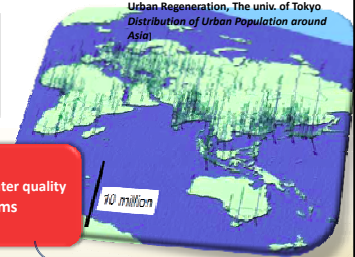
- ✓ To showcase successful practices of **decentralized** and **low-cost** wastewater treatment system
- ✓ To discuss the key factors for the successful implementation of the model project and its subsequent **scaling-up** and **replication** to other cities.

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• Overall background (1/5)

- ✓ High population
- ✓ Speedy urbanization and industrialization
- ✓ Limited coverage of Central wastewater treatment

Source: [Dr. Ohta, Center for Sustainable Urban Regeneration, The Univ. of Tokyo
Distribution of Urban Population around Asia]



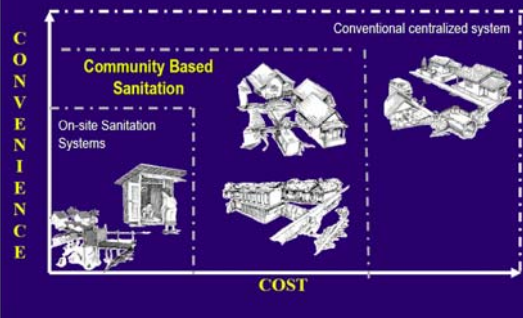
- ✓ Degradation of environmental water quality
- ✓ Sanitation and healthy problems

Low-Cost and Low-Tech wastewater treatment/management system

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(2/5)

CBS fills the gap



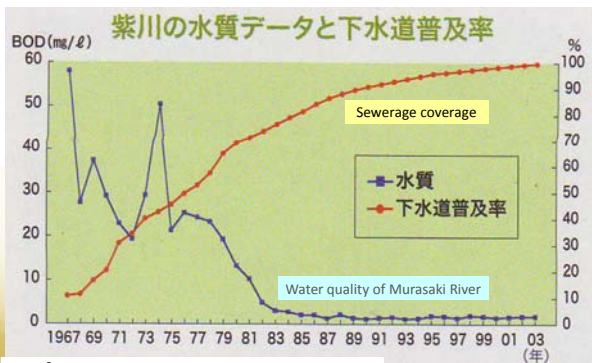
Source: [BNS-BORDA DEWATS: Low Cost Treatment Solution for Your Wastewater]

(3/5)



Source: [BNS-BORDA DEWATS: Low Cost Treatment Solution for Your Wastewater]

Kitakyushu City's experience (4/5)

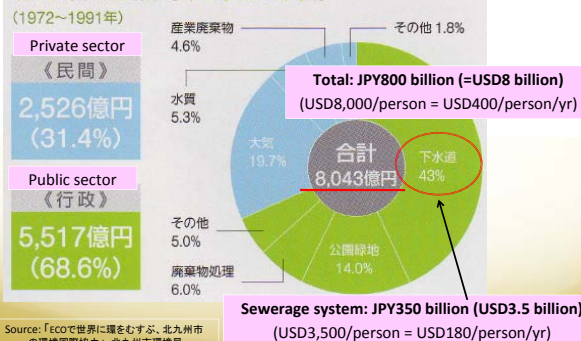


Source: 「Ecoで世界に環をむすぶ、北九州市の環境国際協力」 北九州市環境局

(5/5)

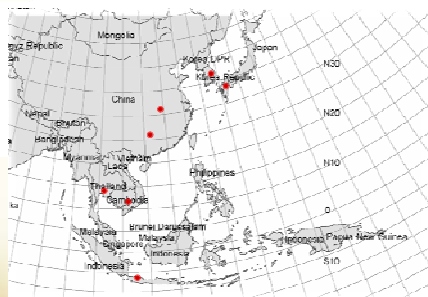
Costs for the pollution control in Kitakyushu City (1972-91)

北九州市の公害対策に要した費用 (1972~1991年)



Source: 「Ecoで世界に環をむすぶ、北九州市の環境国際協力」 北九州市環境局

Today's presentations and the topics (1/2)



China
Indonesia
Japan
R.O. Korea
Thailand

Source: <http://www.worldmapfinder.com/Kr/Asia/>

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Today's presentations and the topics (2/2)

Length of each presentation: 10-15 min

- A-1 **Indonesia** By The Ministry of Public Works
SANIMAS: A Community-based Sanitation Programme
- A-2 **Thailand, Nontaburi** By Nonthaburi Municipality
Nightsoil Management System in Nontaburi Nonthaburi Municipality, Thailand
- A-3 **China** By IGES
Low-Cost Wastewater Treatment Systems in China
- A-4 **China, Weihai** By Weihai City
Build-Operate-Transfer(BOT) arrangements for the wastewater treatment systems in China Weihai, China
- A-5 **R.O. Korea, Ulsan** By Ulsan City
River Rehabilitation: the Taehwa River experience
- A-6 **Cambodia** By Kitakyushu City
Improving the water supply systems in Cambodia

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Discussion points

Chair: IGES, Co-chair: Ministry of Public Works, Indonesia (t.b.c)

- ✓ Policy intervention and methodology applied in managing wastewater treatment system
- ✓ Significance of the development of sustainable wastewater management (Evaluation of the social and environmental improvement and the economic benefits)
- ✓ Key findings and success factors (e.g.: collaboration national and local governments, and public participation, cost sharing)
- ✓ How to overcome to the barriers of identify in replicating model project

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**Thank you for your attention,
then on to the first presentation**



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