

Conference on Watershed Management for
Controlling Municipal Wastewater in South East Asia

Overview of the conference objectives and expected outcomes

28th July 2016

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 国土交通省

Ministry of Land, Infrastructure, Transport and Tourism

Welcome to Nagoya!

 MLIT



1. Background

2. Objectives

3. Programme and Expected Outcomes

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Sustainable Development Goals (SDGs) have been adopted in September 2015 at the United Nations Sustainable Development Summit.

- SDGs are the international development goals between 2016-2030, officially agreed among the UN member countries.
- 17 goals and 169 targets including Goal 6 for Clean water and Sanitation.



Opportunity to prioritize wastewater treatment South East Asia



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Background 1: SDGs



Goal 6. By 2030, achieve universal and equitable access to safe and affordable drinking water for all

- 6.2 By 2030, achieve access to adequate and equitable sanitation and hygiene for all and end open defecation, paying special attention to the needs of women and girls and those in vulnerable situations
- 6.3 By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, **halving the proportion of untreated wastewater** and substantially increasing recycling and safe reuse globally
- 6.a By 2030, expand international cooperation and capacity-building support to developing countries in water- and sanitation-related activities and programmes, including water harvesting, desalination, water efficiency, wastewater treatment, recycling and reuse technologies

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6 CLEAN WATER AND SANITATION



Proposed indicators for goal 6.3

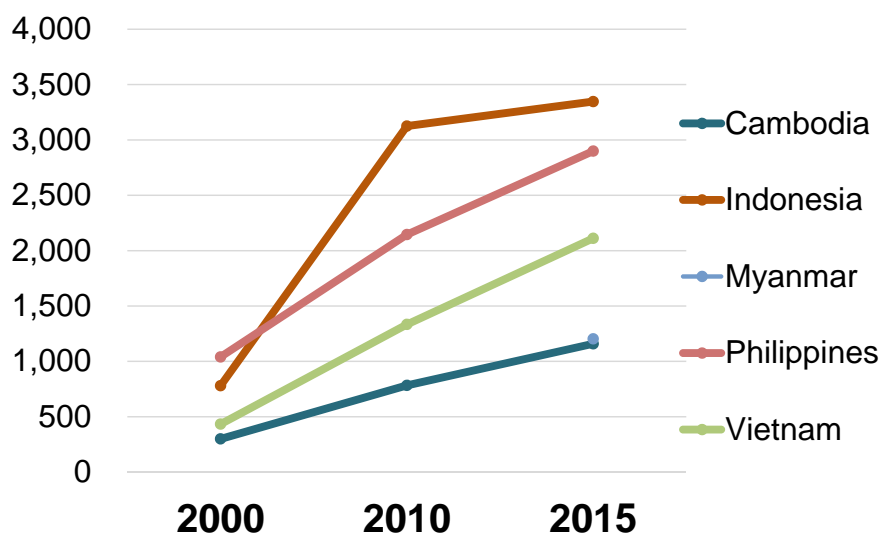
Indicator 6.3.1:
Percentage of wastewater safely treated

Indicator 6.3.2:
Percentage of bodies of water with good ambient water quality

Background 2: Economy Growth

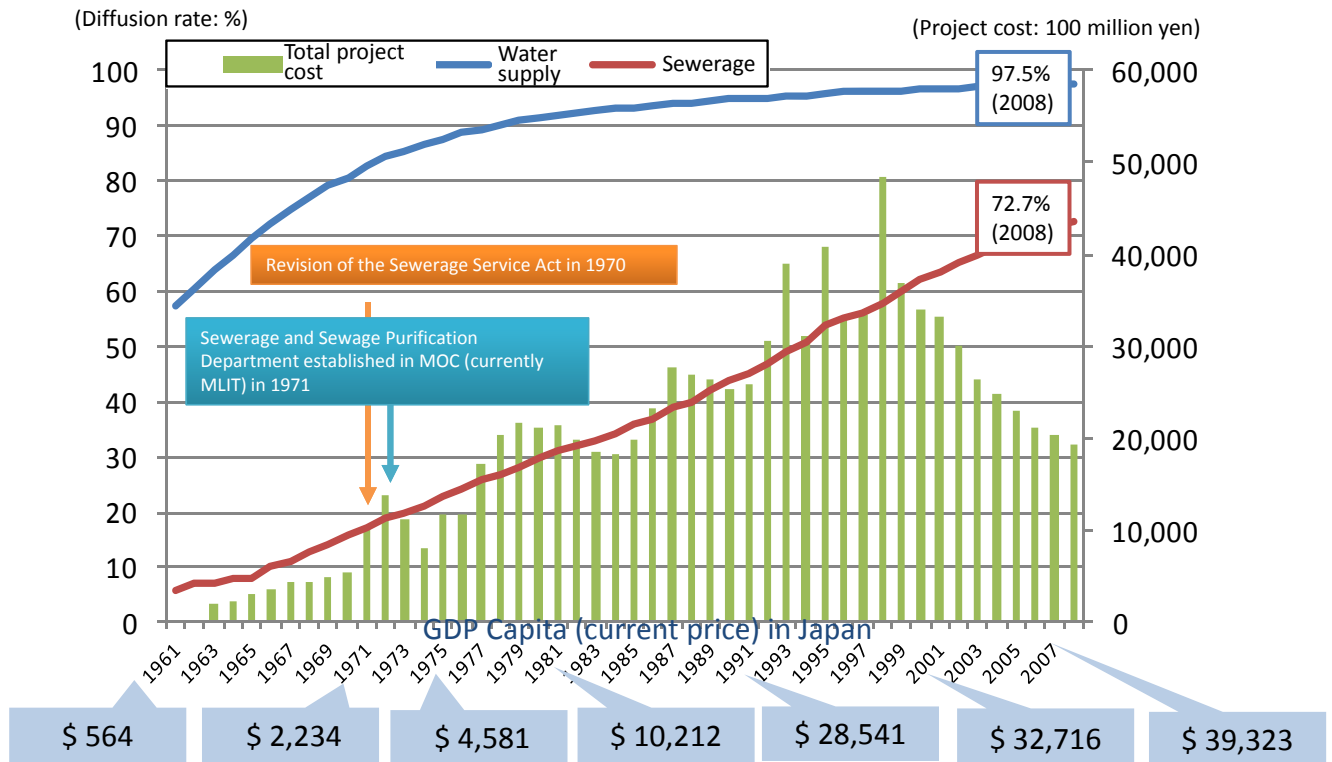
The Economy is rapidly growing in the participant countries, and the needs for the investment for wastewater treatment infrastructure will grow rapidly.

GDP per Capita in the Participant Countries (Current USD)



The History shows that it is necessary to invest to the sewerage infrastructure along with the GDP growth

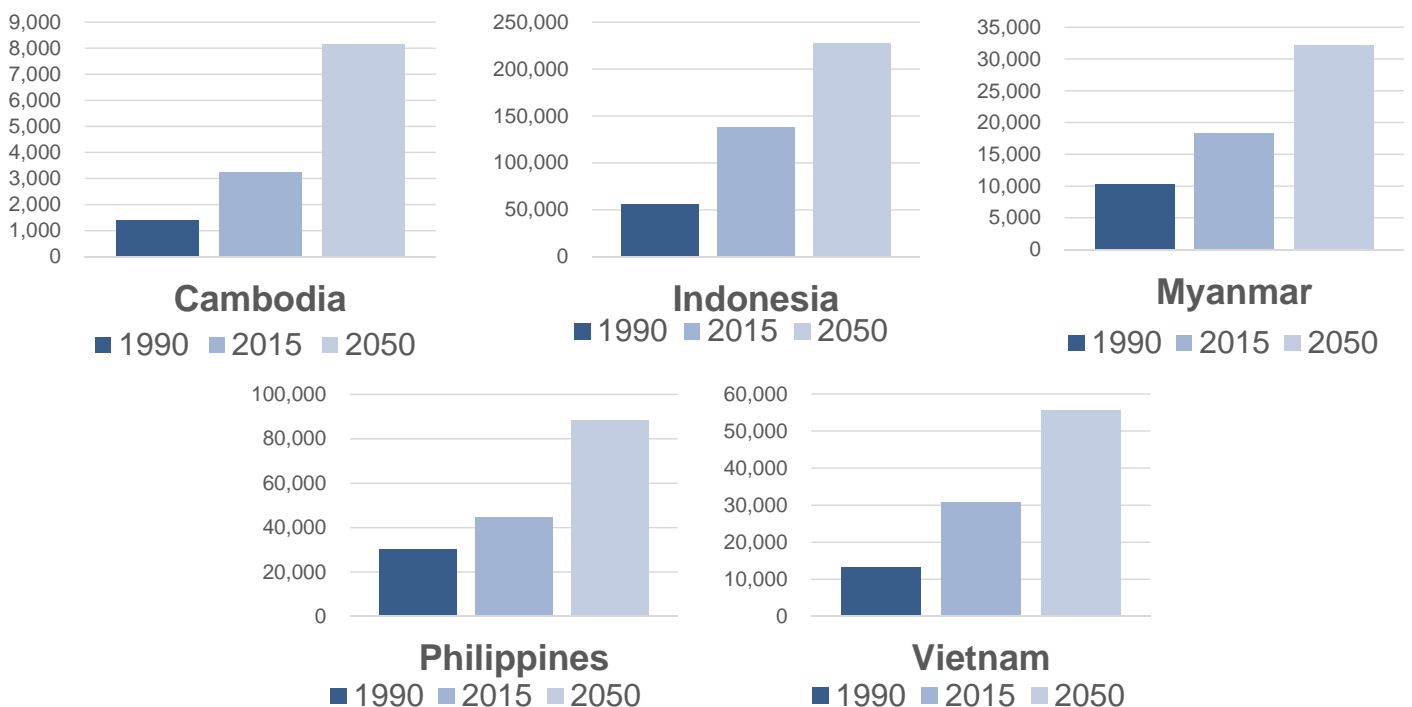
Evolution of Project Cost and Diffusion Rate of Water and Sewerage in Japan



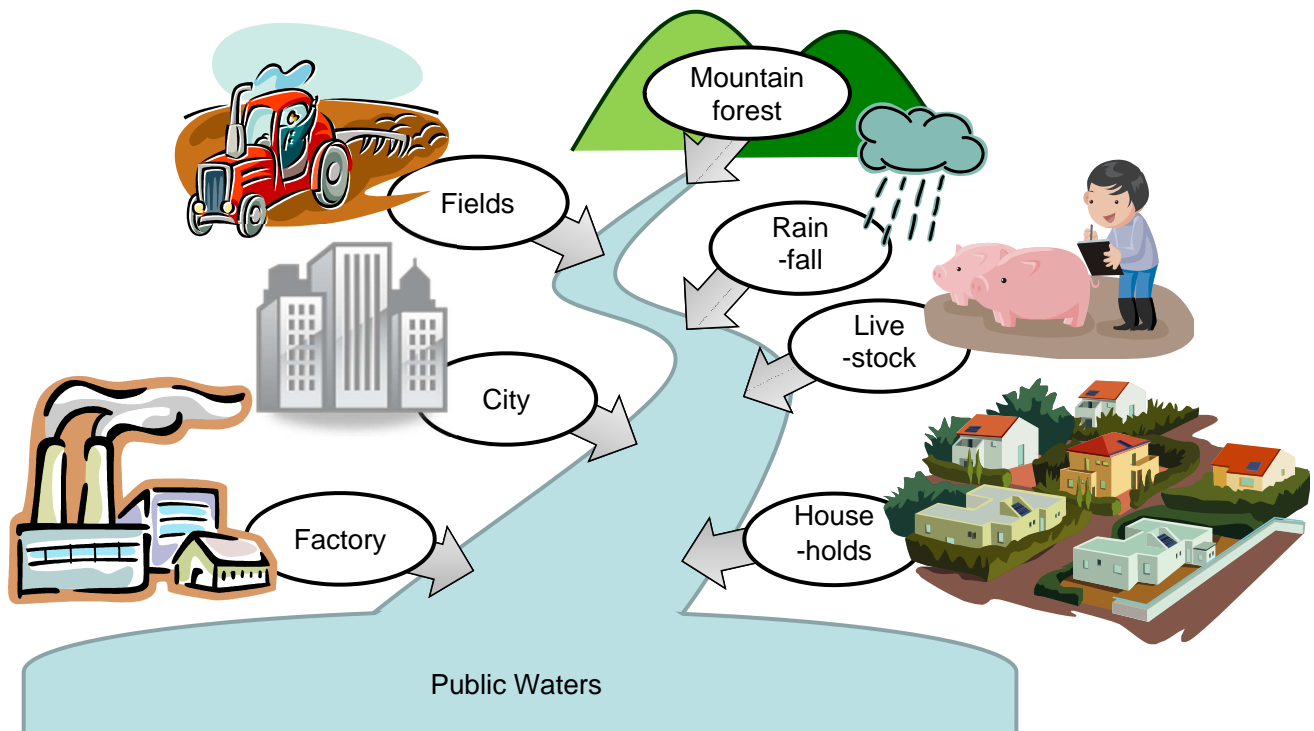
Background 3: Rapid Urbanization

Rapid Urbanization is ongoing in the South East Asian Countries

Urban Population in the Participant Countries (population, thousand)



The water pollution loads is growing, due to the urbanization



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Objectives

Share and Discuss about,

- Common Challenges of Water Environment Management (Monitoring and Planning)
- Collaborative Actions

to Prioritize Municipal Wastewater Treatment in South-East Asia

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Objectives

- 1 Sharing information on the current status of the water pollution load and challenges in the monitoring system and planning of municipal wastewater treatment system in each country
- 2 Sharing information on the Japanese experience of wastewater treatment planning and watershed management.
- 3 Discuss how to cooperate in promoting wastewater management in the South-East Asian Region
- 4 Discuss on the future actions to facilitate measures taken by each country

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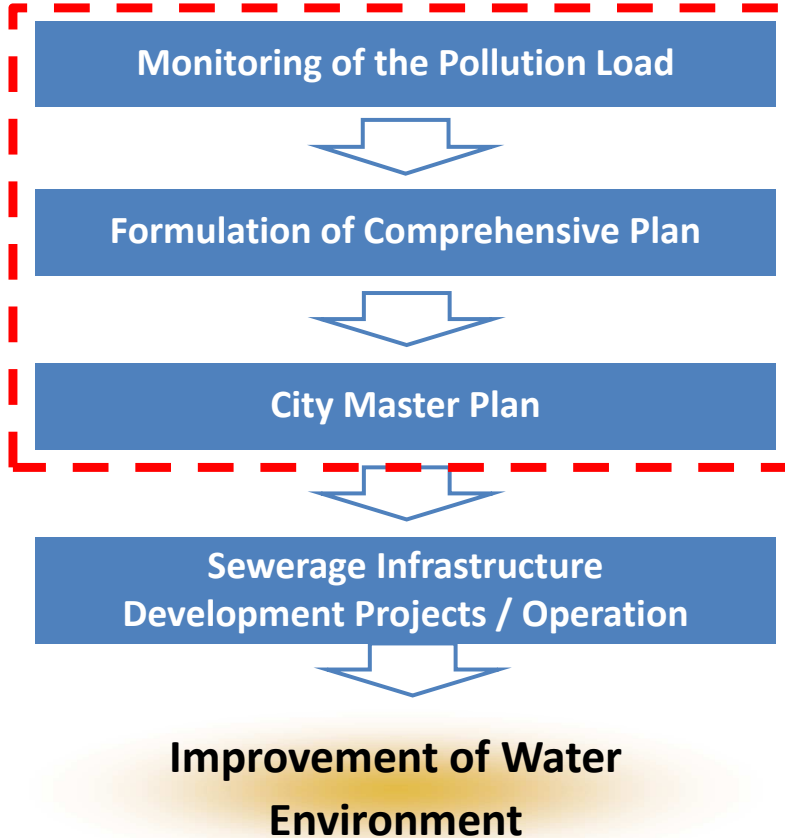
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Programme of the Conference

Time	Contents
8:45	Group photo
9:00	Opening of the conference Welcome statement
9:30	Opening session
10:00	Session 1: Overview of the Water Environment Standards and Effluent Standards and their Implementation.
12:00	Lunch break
13:00	Session 2: Current Status of the Planning of Municipal Wastewater Treatment System
15:00	Short break
15:15	Session 3: Discussions for the development of municipal wastewater treatment in South East Asia Chair: Dr. Hiroaki MORITA, Professor, Nihon University (chair's summary of the conference)
16:30	Closing

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Necessary Actions for the Improvement of Water Environment



Focus Area of the Conference



Expected Outcomes of Session 1

Overview of the Water Environment Standards and Effluent Standards and their Implementation.

Following Points will be presented by each countries

- Overview of the environmental standards and effluent emission standards for water environments
- Status of implementation of those standards in each country
- Status of effluent emission load from municipal waste water in each country
- Status of coordination with the plans to develop wastewater treatment system
- Issues and challenges of the water environment legislation in each country

Based on the shared information, following points will be discussed

- Key points to overcome the challenges
- Way of the coordination of the implementation of standards with the development plans for the treatment facilities

Current Status of the Planning of Municipal Wastewater Treatment System

Following Points will be presented by each countries

- Overview of the legislation related to the municipal wastewater treatment
- Roles and financial responsibilities of the planning, development, and management of municipal wastewater treatment
- Long term plans for the municipal wastewater treatment systems.
- Master plans for the municipal wastewater treatment systems
- Issues and challenges of the planning, development, and management of municipal wastewater treatment systems

Based on the shared information, following points will be discussed

- Key points to overcome the challenges
- Ways to introduce Watershed Management to the Planning of Wastewater Treatment Systems

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Discussions for the development of municipal wastewater treatment in South East Asia

Discussion Points

- Common Challenges among Countries
- Necessary Measures to overcome the Challenges
- Collaborative Actions



- Chair's Summary of the Conference

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