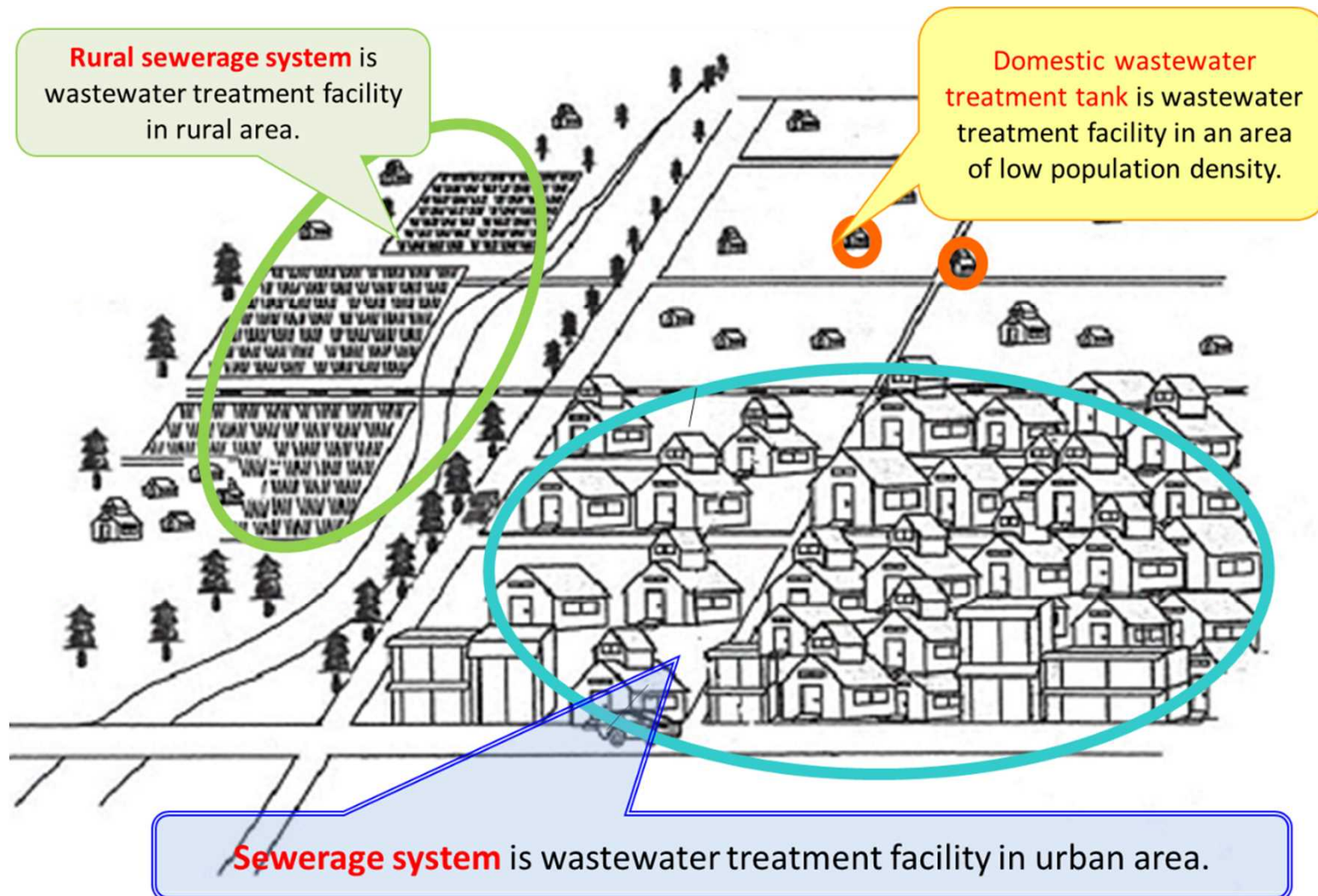
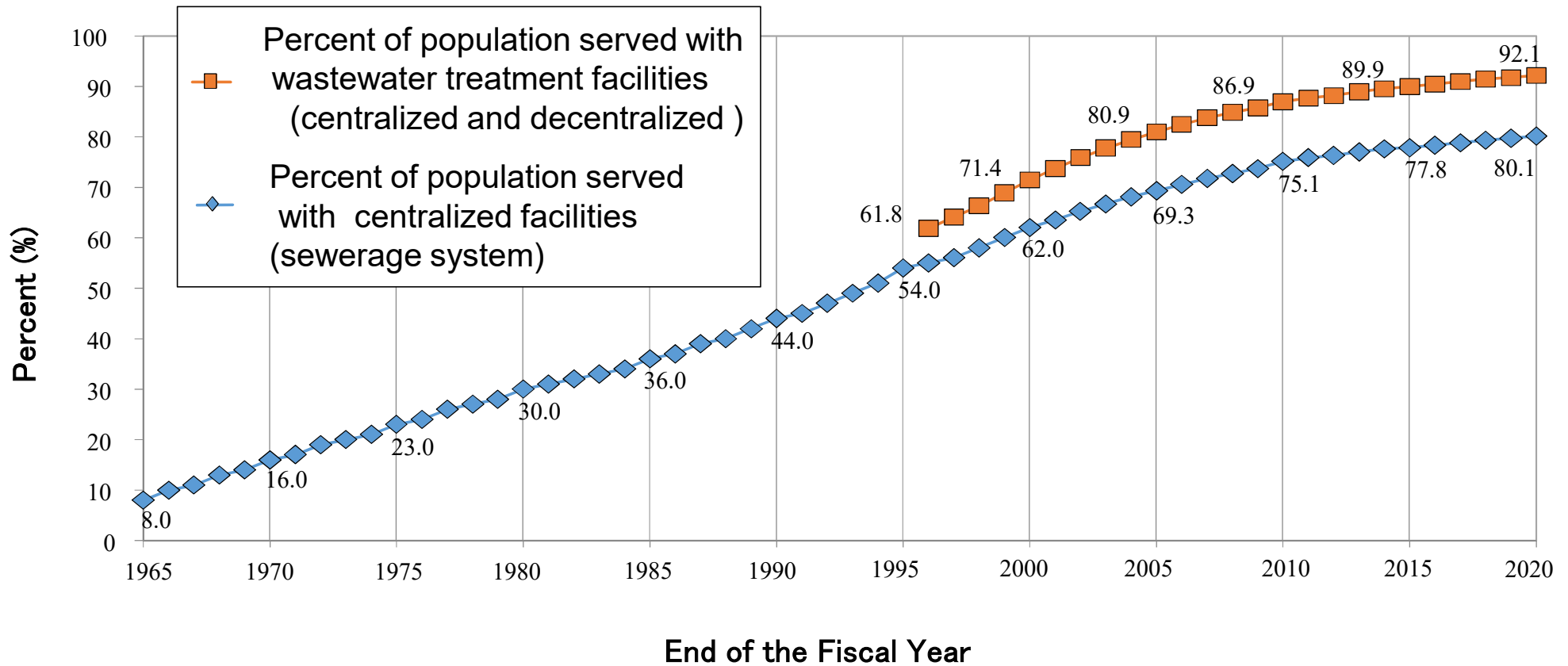


Appropriate wastewater management

In order to develop efficient wastewater treatment facilities, local governments compile master plan of centralized and decentralized methods based on local conditions such as population density, etc.
(Wastewater : black and gray water)



Improvement of sanitation and water environment by development of wastewater treatment facilities



Tama River around 1970



Tama River in the present

Improvement of
sanitation
and
water environment

Governance

The national government established "environmental standards," "effluent standards," and "legal frameworks for the development of sewerage systems in 1970.



Pollution Session of Diet in 1970

- Water Pollution Control Law enact
- Sewerage Law amend

Amendment of the Sewerage Law

- To oblige local governments to construct wastewater treatment plants
- To oblige landowners to use the sewerage system in served areas
- To clearly define the national subsidies to be allocated to local governments
- To regulate the collection of users charge in accordance with the ordinance issued by local governments

Finance

Sewage works are implemented appropriately through national expenditure, local expenditure and users charge, taking account of their roles.

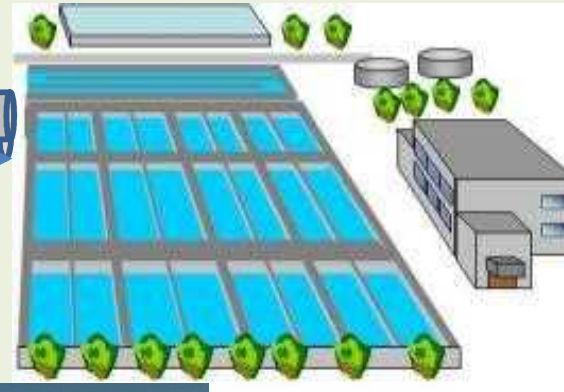
(To prevent inundation, To prevent water pollution,
To establish eco-friendly society and To improve living condition)



sewage



Construction of trunk sewers and treatment plant subsidized by national government



Obligation to connect to public sewers (By private expense)



Digestion tanks and Biogas power generation facilities

sewage sludge

Private funds also utilized

Science and Technology

Efficient and advanced technologies are adopted in various fields.

Flood Control



Sewer constructed by pipe jacking method

Utilization of Sewage Sludge as Energy and Resource

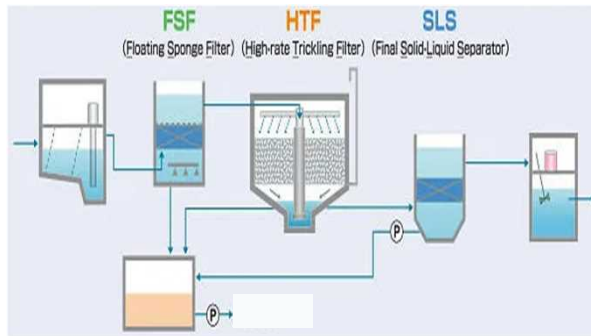


Biogas power generation and fertilizer use

Energy saving treatment process



DHS
(Down-flow Hanging Sponge)



PTF
(Pre-treated Trickling Filter)

Wastewater Surveillance



Tool to understand COVID-19 spread in a community

AWaP Activities

3rd Asia-Pacific Water Summit in Yangon, Myanmar 2017

<Thematic Sessions>

Proposal to establish the Asia Wastewater Management Partnership (AWaP) toward mainstreaming wastewater management



The First General Meeting of AWaP (July 25, 2018)

Objectives

- 1 Raising Awareness on Wastewater Management
- 2 Monitoring of Wastewater Management
- 3 Resolving Common Challenges



The Second General Meeting of AWaP (August 18, 2021)

Sharing common issues of wastewater management in Asian countries and discussing future action plans to solve the issues

- 1 Combining centralized and decentralized systems
- 2 Sewer pipe laying by trenchless technology
- 3 Localization of wastewater technology

