INDONESIAN MIX APPROACH ON ACCELERATING SANITATION DEVELOPMENT



ADB Sanitation Dialogue 2021 – Accelerating Inclusive Sanitation - Webinar 3, April 15th 2021

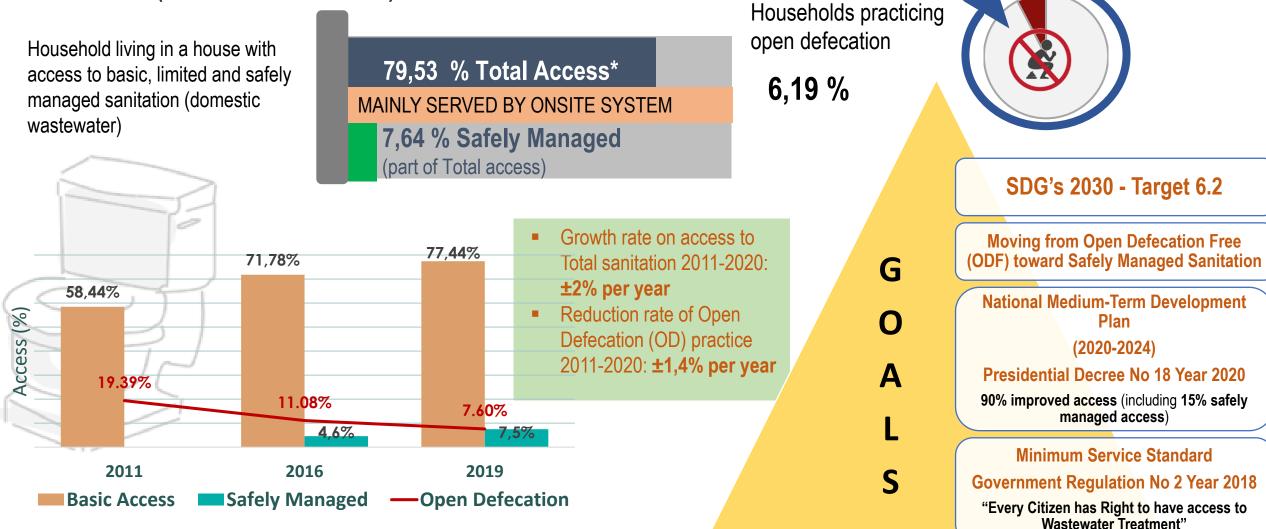
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ACHIEVEMENT TO-DATE ON INDONESIA SANITATION SECTOR

Sanitation (Domestic Wastewater) Access 2020¹



NATIONAL SANITATION POLICY 2020-2024

Achieving Sustainable Sanitation Services (SSS) with the five key elements

O

Improvement of institutional capacity and governance

High commitment of local key decision makers on sustainable sanitation services

Acceleration on Development of infrastructure and services according to regional characteristics and needs

Strong partnership and Availability of alternative financial sources

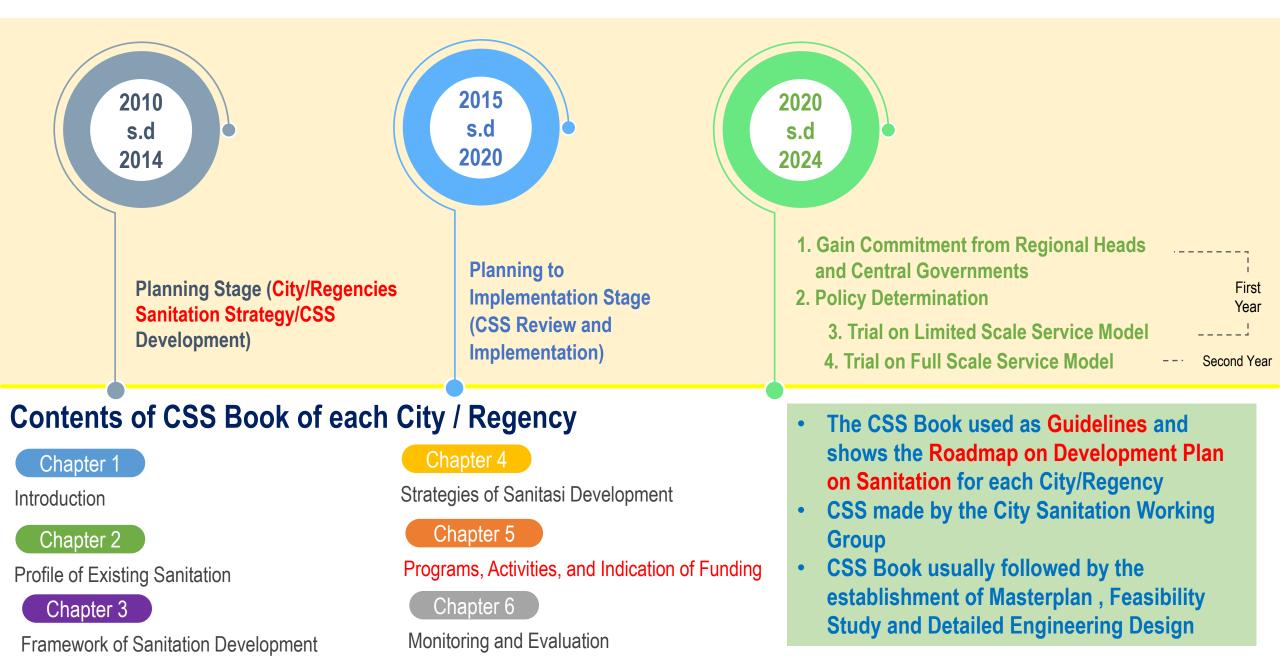
Enhancement of community awareness and participation in achieving sustainable sanitation

MULTI LEVEL GOVERNMENT STAKEHOLDERS on SANITATION

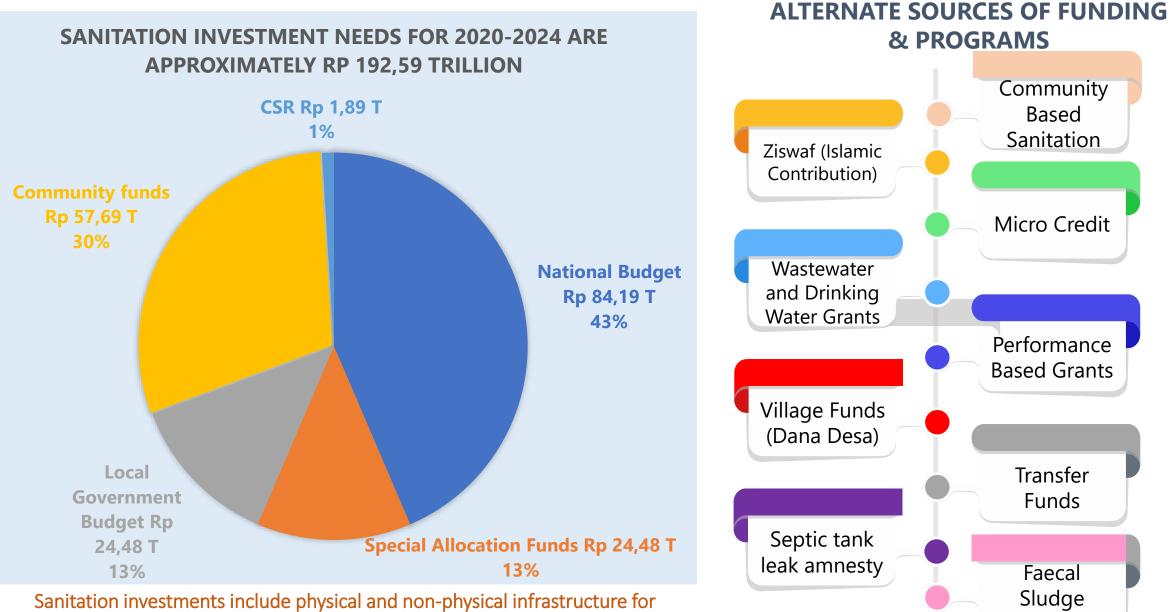
	National	Province	City/ Regency
Planning	National Planning & Development Agency Develop National plan & policy (long term/mid term)	Province Planning & Development Agency Develop plan & policy in province or regional level	City/ Regency Planning & Development Agency Develop plan & policy in city/ regency level
Implementation	Ministry of Public Works and Housing Develop infrastructure, policy, technical assistance (esp. for national strategic program)	Department of Public Works and Spatial Planning Development & Management in regional level	Department of Public Works and Spatial Planning Development & Management in city/ regency
Regulation/ Standard	Ministry of Environment and Forestry Issue environmental protection regulation (effluent standard, environmental permit)	Department of Environment Issue environmental protection regulation i.e. effluent standard (regional/ province level)	Department of Environment Issue effluent standard in City level, environmental monitoring, issue environmental permit
Hygiene Stimulation	Ministry of Health Develop national program for hygiene life, environmental health, community-based sanitation	Department of Health Develop regional/province level program for hygiene	Department of Health Develop city/ regency level program, Socialization of hygiene, air-borne disease protection
Synchronization and Local government coaching	Ministry of Human Affair Initiate Minimum Standard Service, and monitor the compliance, assist institution and regulation formulation	COORDINATION IS THE KEY → we have SANITATION WORKING GROUP in each layer of	
GROUP II			ayer of

government

Milestones on The Acceleration of Sanitation Development In Indonesia



Collaborating Multiple Programs & Sources of Funding



Management

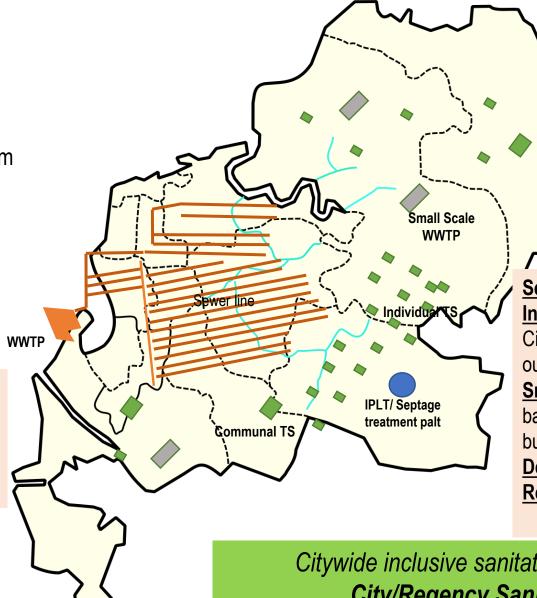
Domestic Wastewater, Solid Waste, and the Elimination of Open Defecation

Citywide Inclusive Sanitation Development Example in Indonesia

Main factors:

- Stakeholder's collaboration
- Combination of sanitation system
- Regulation, institutional set up
- Multiple funding source
- Inclusivity and sustainability

WWTP: national budget Sewer line: Main trunk, lateral, service pipe : national budget House connection: local (city) budget



Septage Treatment Plant: national budget Individual Septic Tanks:

MAKASSAR

City Budget, DAK (special allocation fund), or output based grant, or self funded by households **Small Scale WWTP:** national budget (community based/SANIMAS or institutional based), city budget

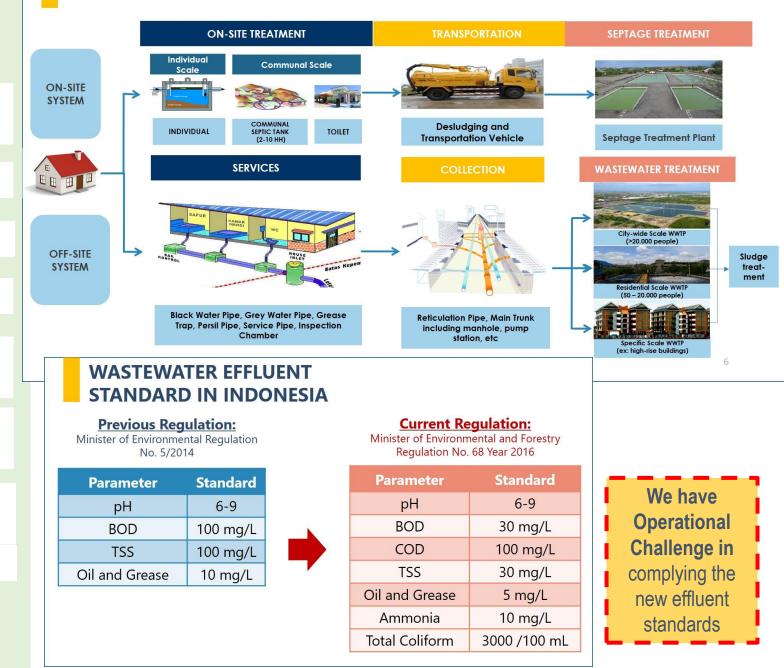
Desludging truck: city budget Regular Desludging : City Budget

Citywide inclusive sanitation development done based on : City/Regency Sanitation Strategy CSS Book

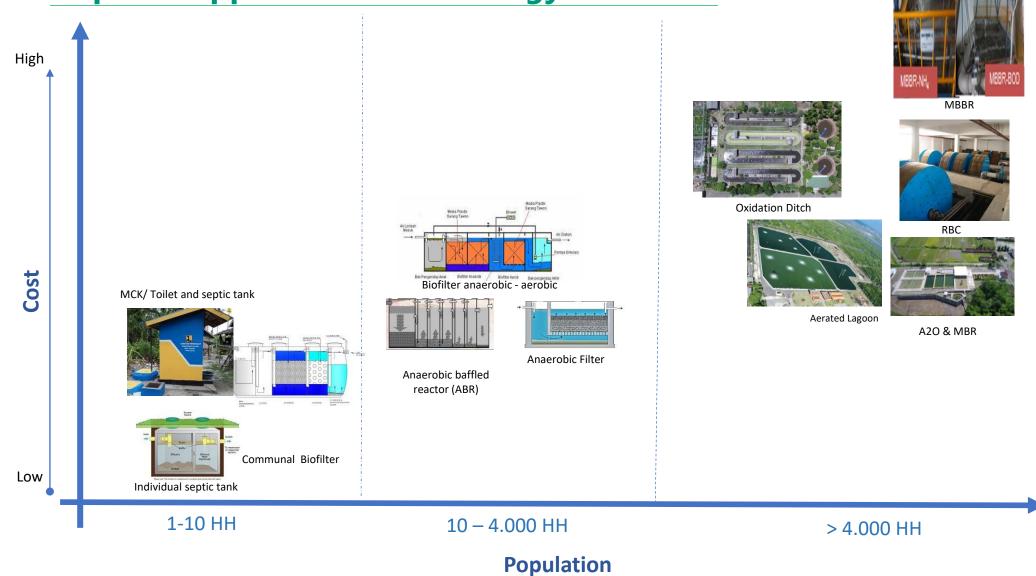
Considerations of Technology Selection for domestic wastewater/septage treatment

- Required area, land characteristics and population density
- Investment feasibility (Capex)
- Operational requirements (Opex)
- Capability to allocate the O&M cost
- Capability of the technology to comply with the required standard
- Environmental feasibility and the compliance with spatial/ regional plan
- Availability and capability of institution and human resources
 - Beneficiaries' ability and willingness to pay

CONCEPT OF WASTEWATER MANAGEMENT IN INDONESIA



Stepwise Approach on Technology Selections



Capability on Providing sufficient O&M Funds is a crucial point on sustainability of sanitation infrastructure

7 Key Lessons Learnt by Indonesia in Improving & Accelerating The Development of Sanitation Access



Continuous and Intensive advocacy at all level of governments on why and how to maintain the commitments to achieve the sanitation targets and achieve minimum service standards on sanitation



Create strong coordination between different institutions in sanitation sector through Working Groups or forum

Technical assistance to local governments, including:

- Strategic planning on sanitation sector (in Indonesia: City/Regency Sanitation Strategy)
- Local regulations and institutional settings on sanitation management



Link and collaborate multiple programs (e.g sanitation strategy is part of requirement to get transfer of funds/Special Allocation Funds)



Encourage innovations in funding mechanisms:

Special Allocation Fund, ZISWAF (Islamic religious contribution), micro-credit, Wastewater and Drinking Water Grants, Output-Based Grants, Village Funds, Provincial Fund Transfer



Promote behavior change of people to better understand and implement proper WASH activities through constant promotion



Develop community-based sanitation systems as labor intensive projects is one of the step wise solution which could also support local economy recovery (e.g community-based sanitation system, improvement of septic tanks)

THANK YOU TERIMA KASIH

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