




INDONESIA WASTE WATER INSTITUTE (IWWI)

Structured Capacity Building for Wastewater Operators

3rd Asian Sanitation Dialogue
MANILA – May 27th, 2014

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IWWI BACKGROUND

- ▶ ADB TA-7739 IWSSI
- ▶ Part of 44090-012 Supporting Water Operators' Partnerships (funded by AusAid)
- ▶ Integrated in the ADB 2020 Operational Programme
- ▶ Linked to Metropolitan Sanitation Management Investment Program (MSMIP)

Objective: To support capacity building of wastewater service delivery operators (**SDOs**) in Indonesia.

CONTEXT

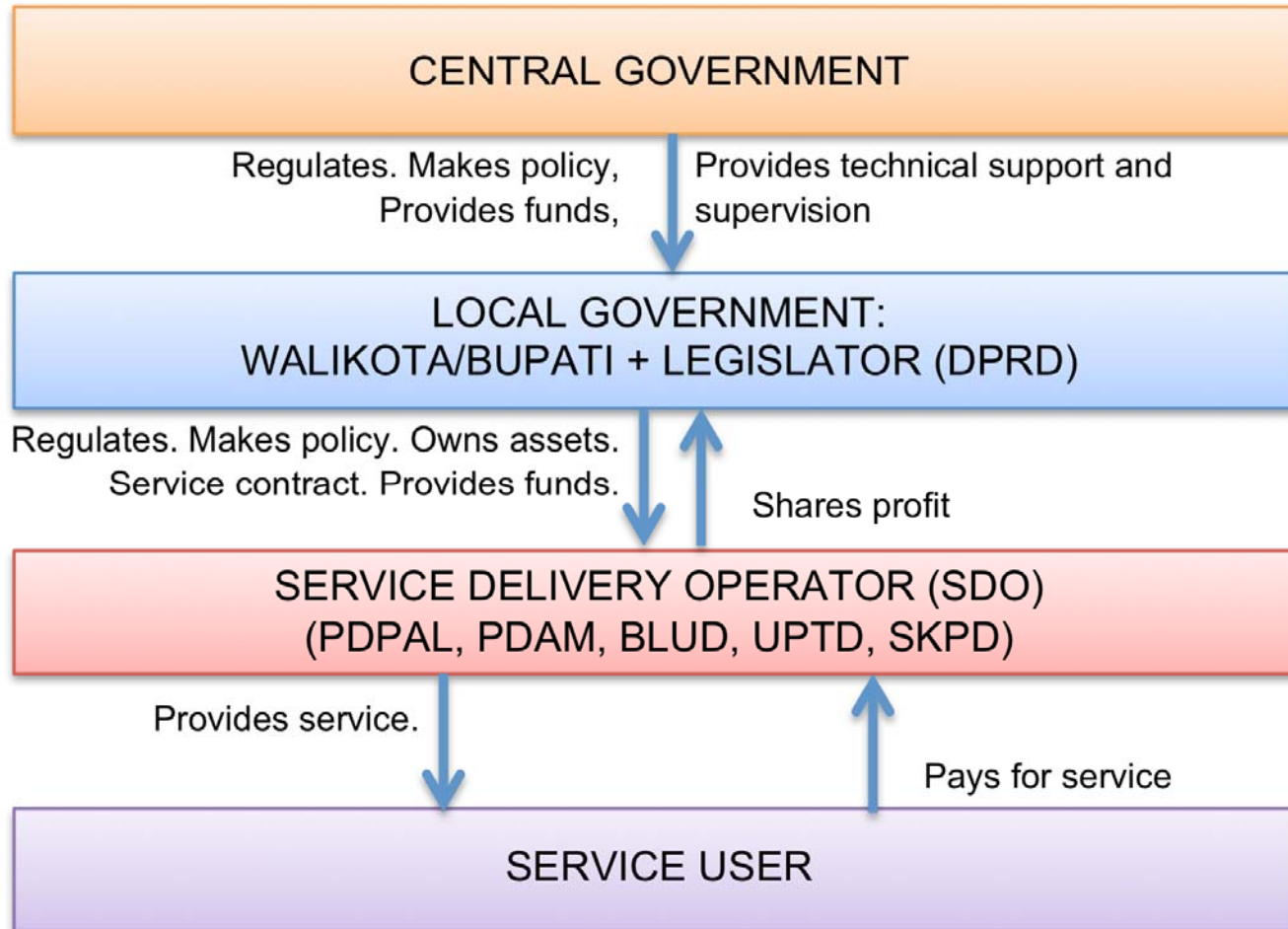
- 2% of urban areas connected to sewers
- >50 cities >250,000 people in Indonesia, only 13 have integrated wastewater system, underutilized
- Most rely on “on-site” septage systems, in poor condition
- No specific service units in local governments, or weakly structured

Province	Number of IPLTs	In operation	Out of operation	Minor Problems	Major Problems
Aceh	20	16	4	0	2
Riau	1	1	0	0	0
Lampung	5	1	4	3	1
Pangkalpinang	1	0	1	0	0
Bengkulu	3	2	1	0	0
Jambi	1	1	0	0	0
Sumatera Barat	5	3	2	0	1
Sumatera Selatan	8	3	5	0	0
DKI Jakarta	2	2	0	0	0
Banten	3	3	0	0	0
Jawa Barat	21	14	7	5	5
Jawa Tengah	21	19	2	1	4
DIY	0	0	0	0	0
Jawa Timur	20	13	7	6	1
Bali	7	3	4	0	1
Kalimantan Barat	1	1	0	0	0
Kalimantan Timur	4	2	2	2	0
Kalimantan Tengah	2	1	1	1	0
Sulawesi Selatan	8	6	2	2	0
Sulawesi Tenggara	3	2	1	0	1
Gorontalo	1	1	0	0	0
Maluku Utara	0	0	0	0	0
Papua	2	1	1	1	0
NTB	5	1	4	1	2
NTT	2	0	2	0	0
SUBTOTALS:	146	96	50	22	18

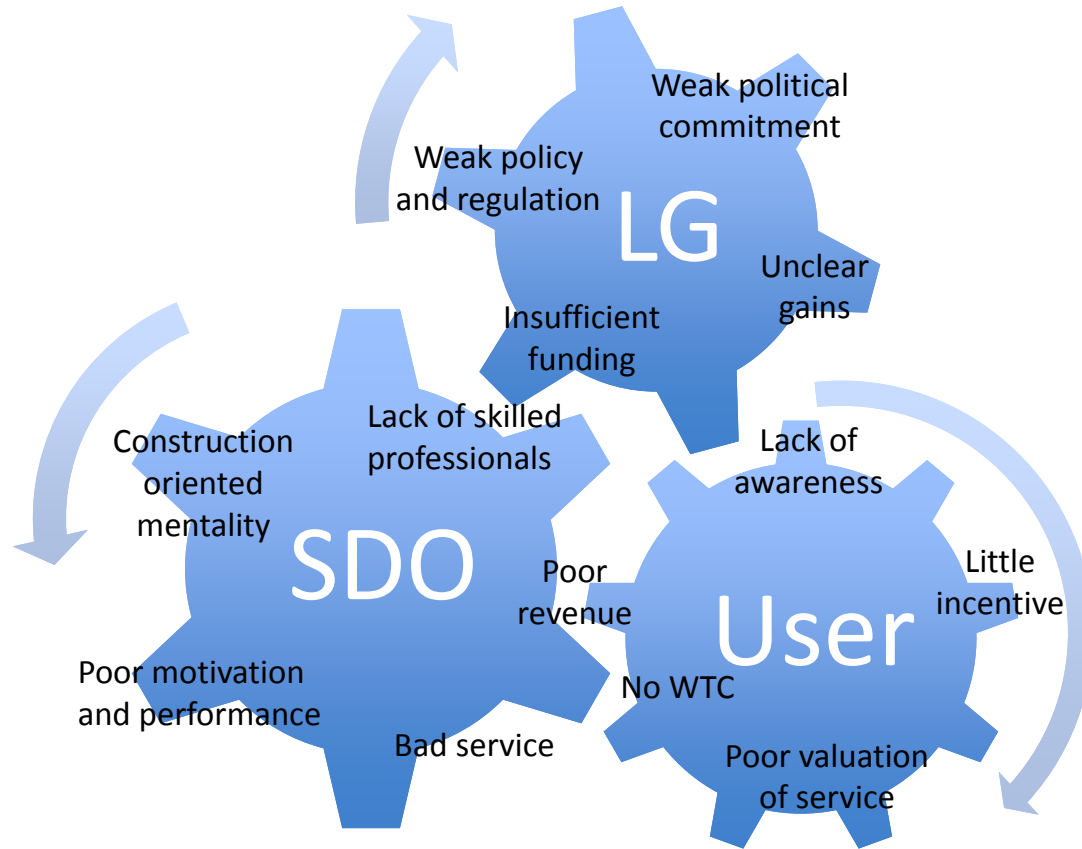
Condition of sludge treatment plants (IPLTs).
Source: Ministry of Public Works (2012)



INSTITUTIONAL FRAMEWORK



SYSTEMIC FAILURE



EXISTING CB RESOURCES

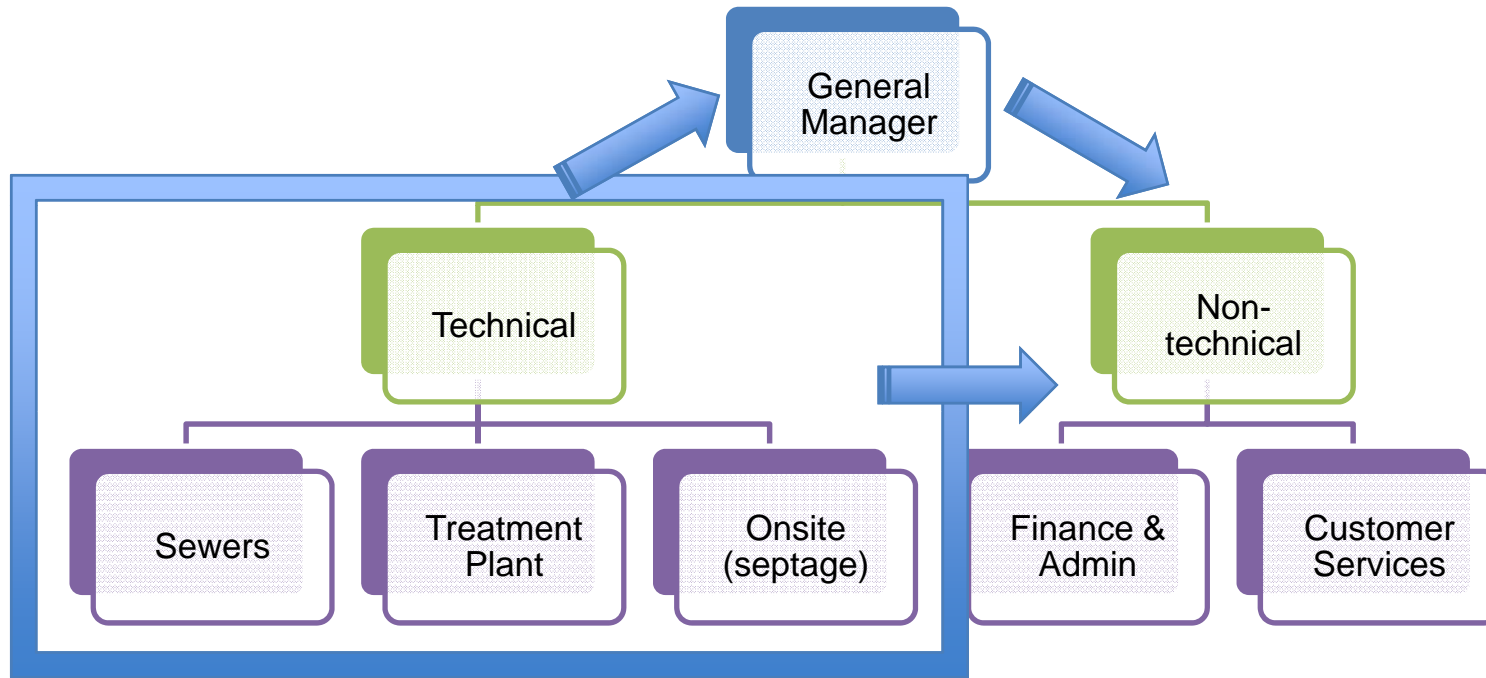
There are CB resources:

- Ministry of Public Works (PU)
- Local and regional government training events
- AusAid / INDII: sAIIG, MSMIP
- ADB: MSMHP, MSMIP, WOPs, TA 7843 Strengthening Sanitation Planning
- Netherlands: USDP/PPSP, NUFFIC
- WASPOLA
- IUWASH

But systemic obstacles remain

- Lack of demand
- Lack of local governance
- No structured approach to sector skills

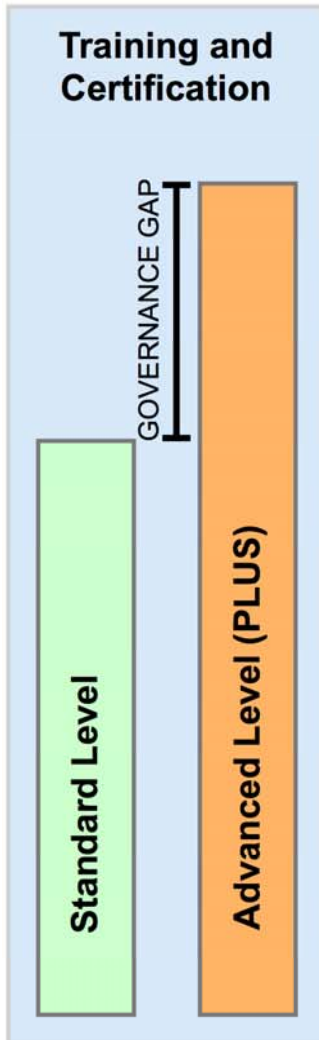
TARGET – SDO staff



- Manager
- Operator

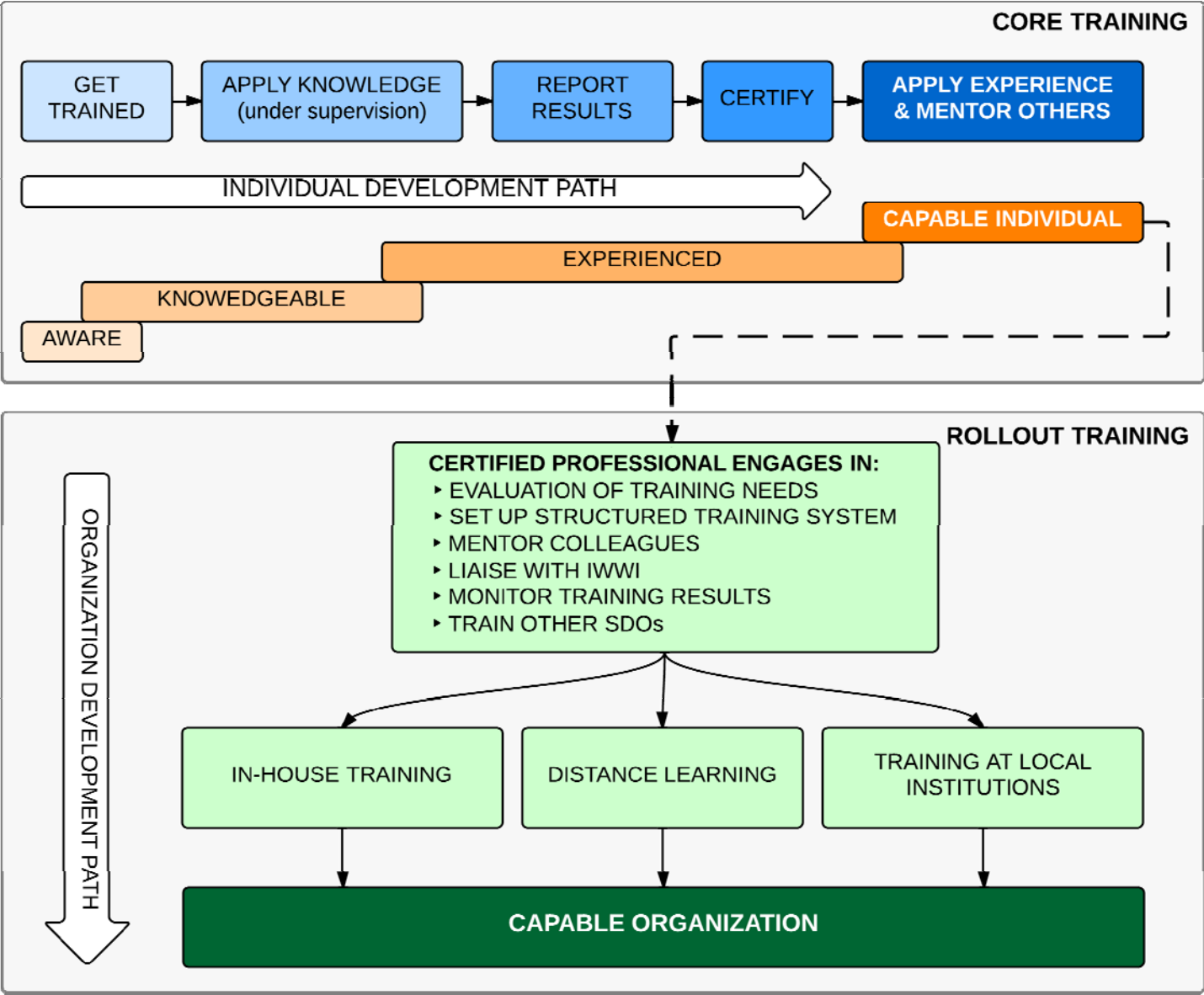


KNOWLEDGE TARGETS



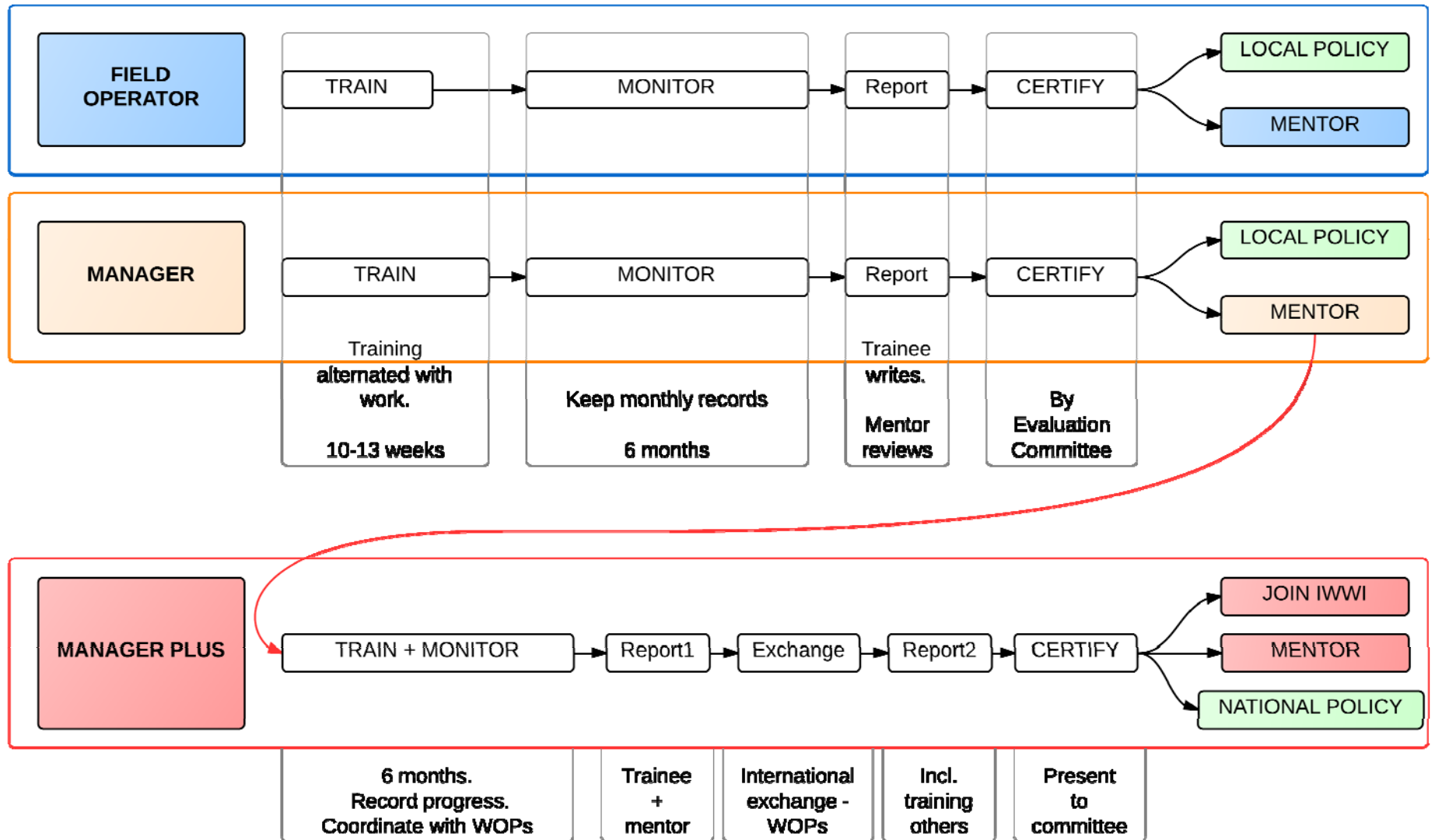
KNOWLEDGE AREAS BY JOB GRADE	
FIELD OPERATOR	MANAGER
NOT APPLICABLE	<ul style="list-style-type: none"> - Institutional Awareness - Advocacy & Public Campaigning - Leadership & Motivation - Monitoring and Evaluation - Complex Problem Solving
<ul style="list-style-type: none"> - Wastewater Treatment - Sewer Networks - Onsite wastewater systems - Electrical/Mechanical Equipment - Energy Efficiency - Health & Safety - Communication & Reporting - Laboratory & Quality 	<ul style="list-style-type: none"> - Wastewater Business Management - Financial Management - Life Cycle Management - Information Management - Communication, Marketing and Advocacy - Human Resources Management - Quality Management

CAPACITY BUILDING MODEL



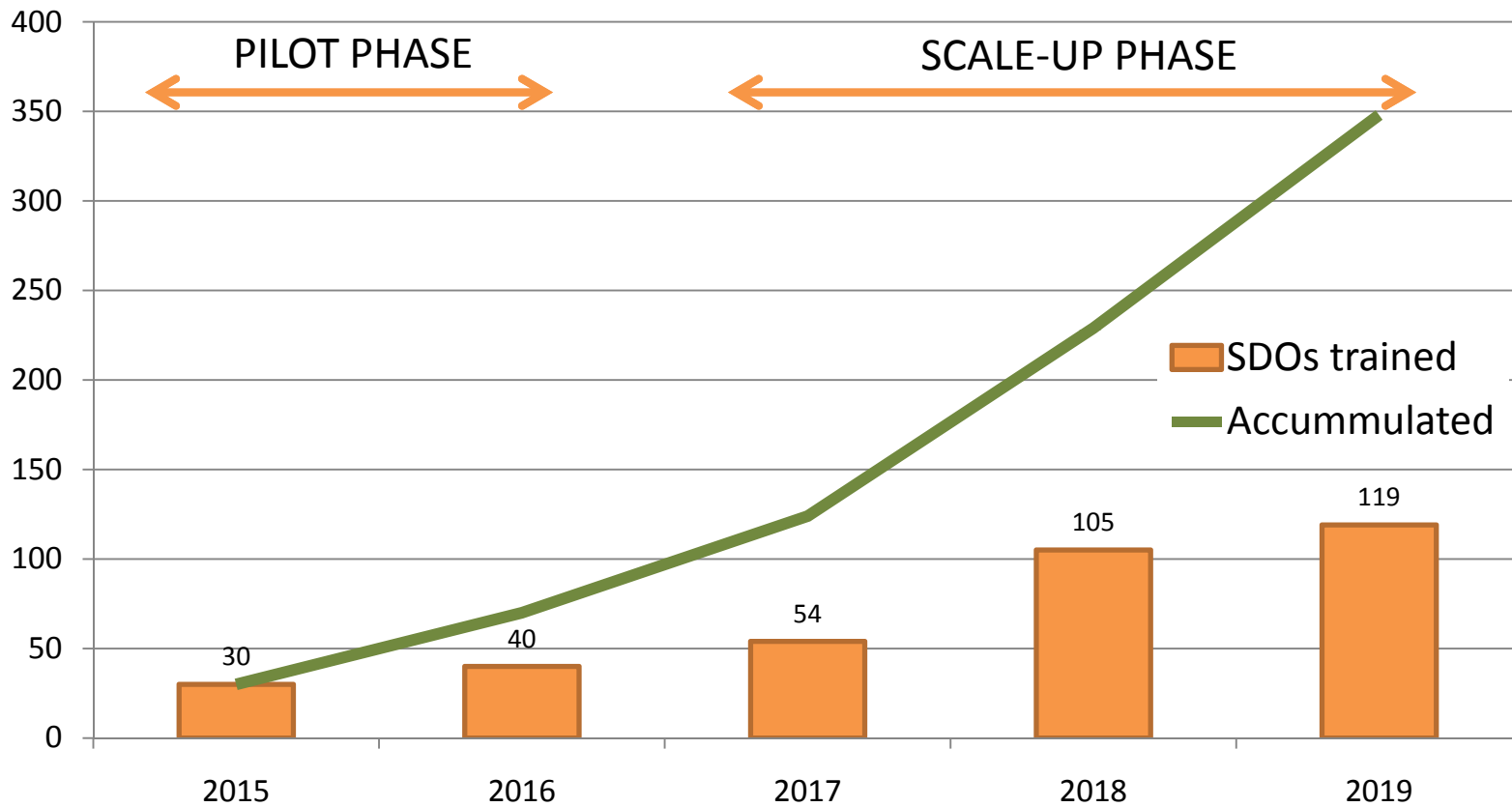


INDIVIDUAL LEARNING PATH





DEVELOPMENT PLAN



National medium term development plan RPJM 2015-2019

Operational phase of National Sanitation Plan PPSP



KEY IMPLEMENTATION ISSUES

- ✓ PU (Ministry of Public Works) to lead implementation as supporting mechanism to PPSP
- ✓ MoU to be signed between main stakeholders to agree institutional arrangement of program
- ✓ ADB funding for pilot phase, except facilities
- ✓ PU to provide facilities
- ✓ LGs and SDOs to provide funds in scale up phase
- ✓ MoHA to incorporate structure capacity building into the local planning processes and funding mechanisms
- ✓ IWA 'branding' of the materials and certificates



THANK YOU

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