Improving community-scale wastewater system governance in Indonesia

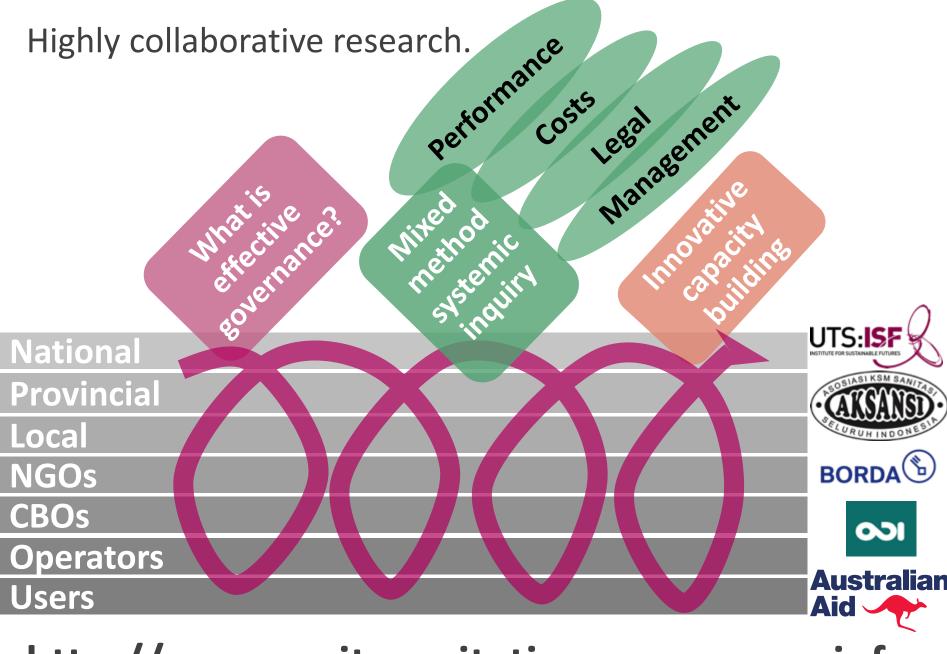
Cynthia Mitchell, Institute for Sustainable Futures Stockholm World Water Week 2017



Community scale sanitation is significant in Indonesia.



But what happens after construction?



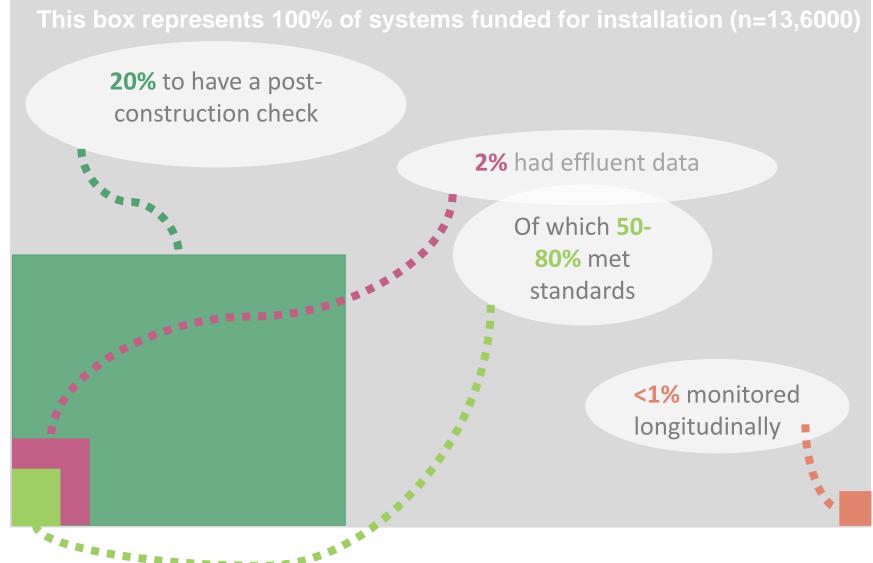
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A global practice scan revealed four interlocking elements for effective wastewater governance that proved useful in practice.

Functioning technology: Ensuring the physical system delivers the service	Sustainable financing: Sufficient ongoing revenue to cover all short and long-term operational cost elements
Effective management: Accountable and equitable administration and decision making system	Sustaining demand: Maintaining effective community demand for the service over time

(Ross et al, 2014)

Little is known about the systems. There is a disincentive for local government to monitor.



Hazard from treated liquid effluent may be significant.

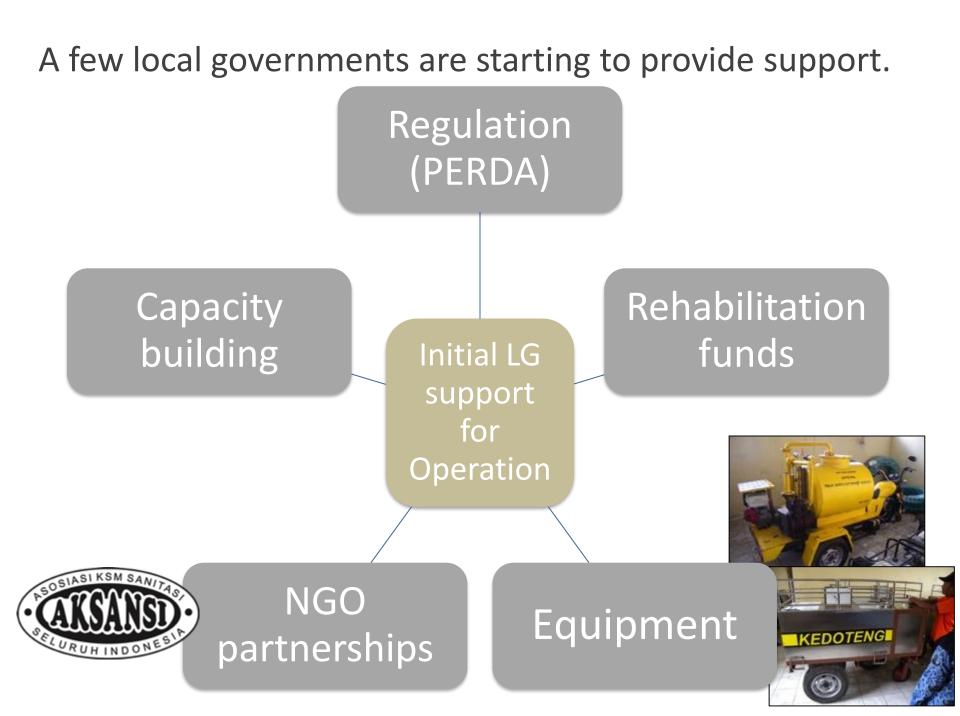


There are important practical gaps and misconceptions.

Legally:

Local government is responsible because sanitation is defined as a mandatory, basic, concurrent service. In practice:

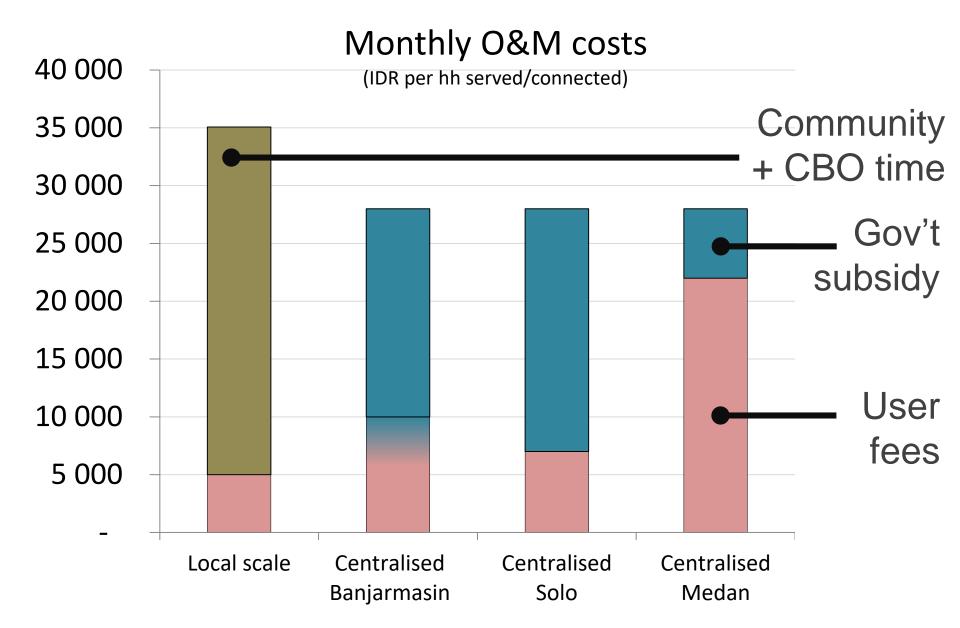


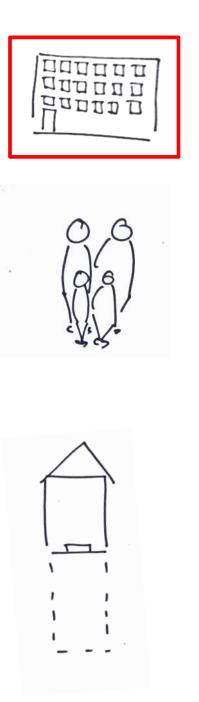


Most CBOs require more financial and technical capacity.

	Manageable	Challenging / unmanageable
Operation	 ✓ Flush system ✓ Check for cracks ✓ Plan and track O+M ✓ Fix blockages 	 Monitor effluent Major repairs, rehabilitation Biogas maintenance Deodorise methane Increase unused facilities De-scum De-sludge
Financing	✓ Record assets	 Collect fees Manage treasury book & account Prepare financial report Forecast costs Budget for major expenses, emergencies Source other income streams
Demand	 ✓ Conduct health campaign ✓ Remind users of responsibilities ✓ Provide support ✓ Conduct user meetings ✓ Clean shared facilities 	Educate about system benefits
Management	✓ Recording complaints✓ Hosting mgt meetings	 Paying operator Ensuring operator legitimacy (Source: AKSANSI)

Volunteers keep community systems operating (partially).











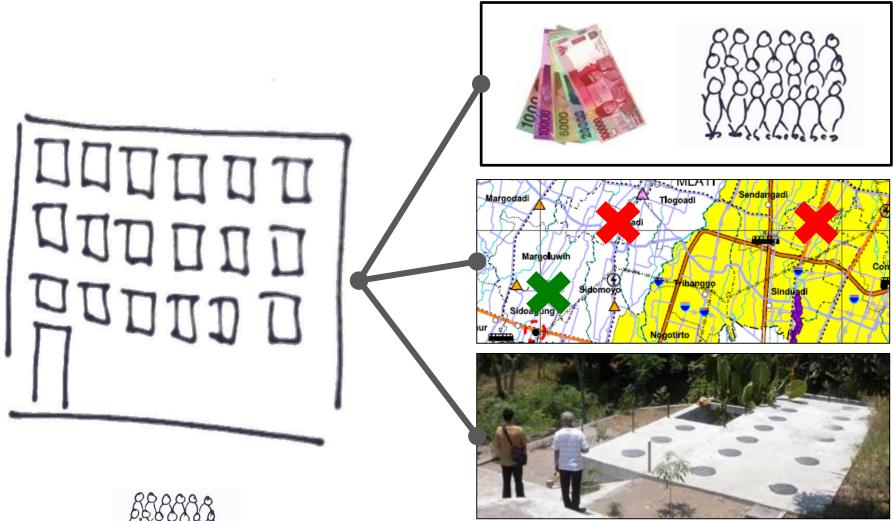


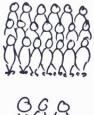






Suggestions for strengthening governance





Help government improve based on their unique context.

CBO-led	Co-management	Institution-led
Small changes with big impact	Formalising entities	Formalising PPPS
Matching innovative financing to need	Co- management with LG	Assigning risk- based responsibilities
Building innovation entrepreneurs	Building networks	Collaboratively assigning responsibilities

Fun, collaborative games to facilitate exploratory dialogue about governance options.



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Governance of local scale sanitation How to design governance for lasting service? Explanatory notes to accompanying preventation





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