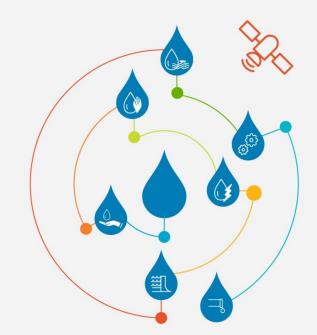
Sustainable implementation of fecal sludge businesses in developing countries



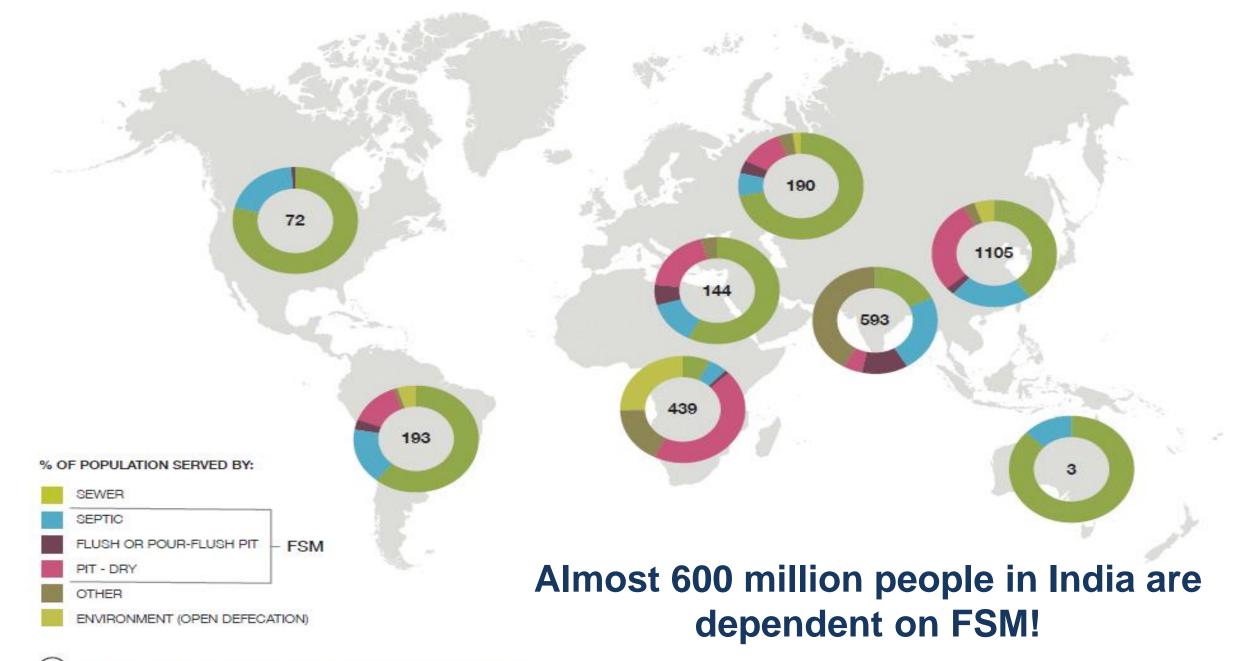
Miriam Otoo International Water Management Institute 3rd October, 2018

Water Management Institute

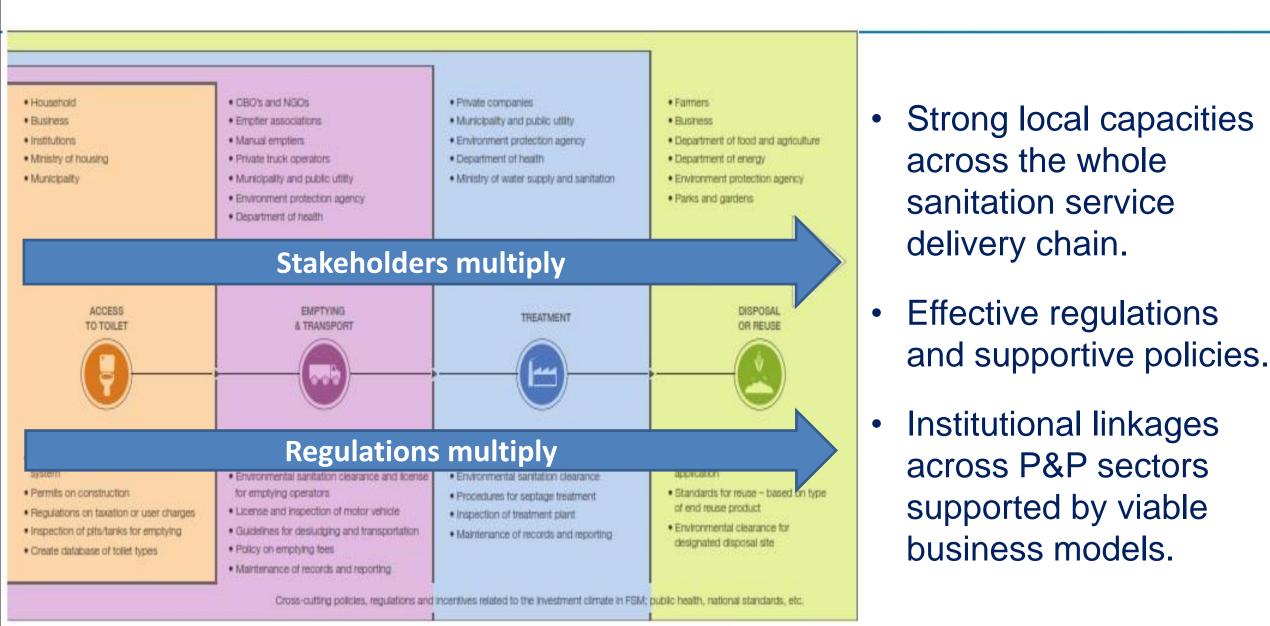
RESEARCH PROGRAM ON Water, Land and Ecosystems

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Effective fecal sludge management requires:



FSM Business Cases

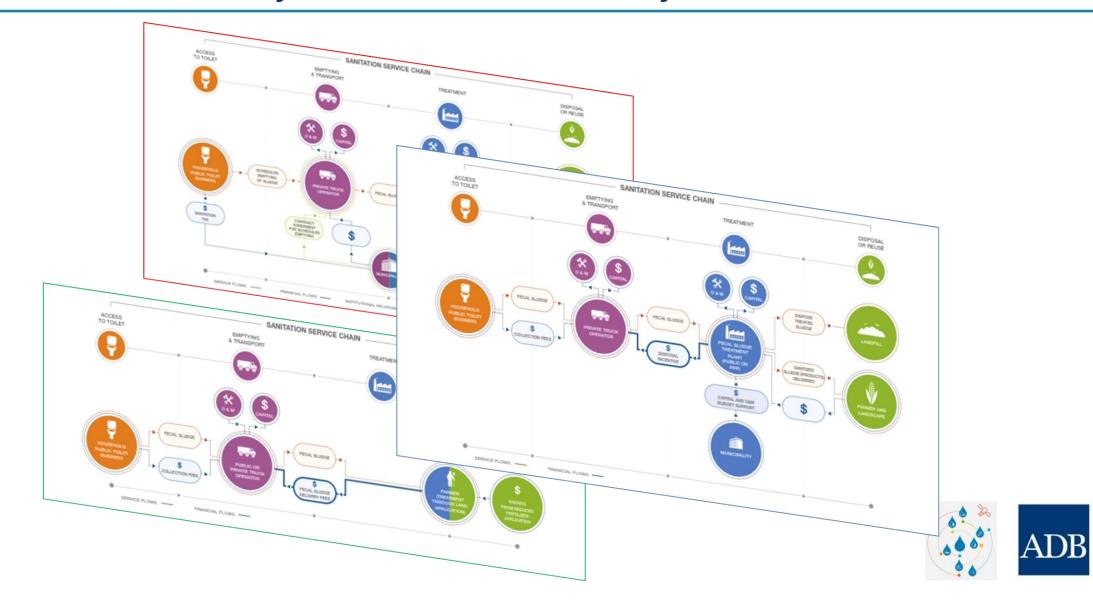




• Review of 44+ successful FSM business cases from 21 countries in Asia, Africa and Latin America



Institutional linkages and partnership models – key to business analysis!



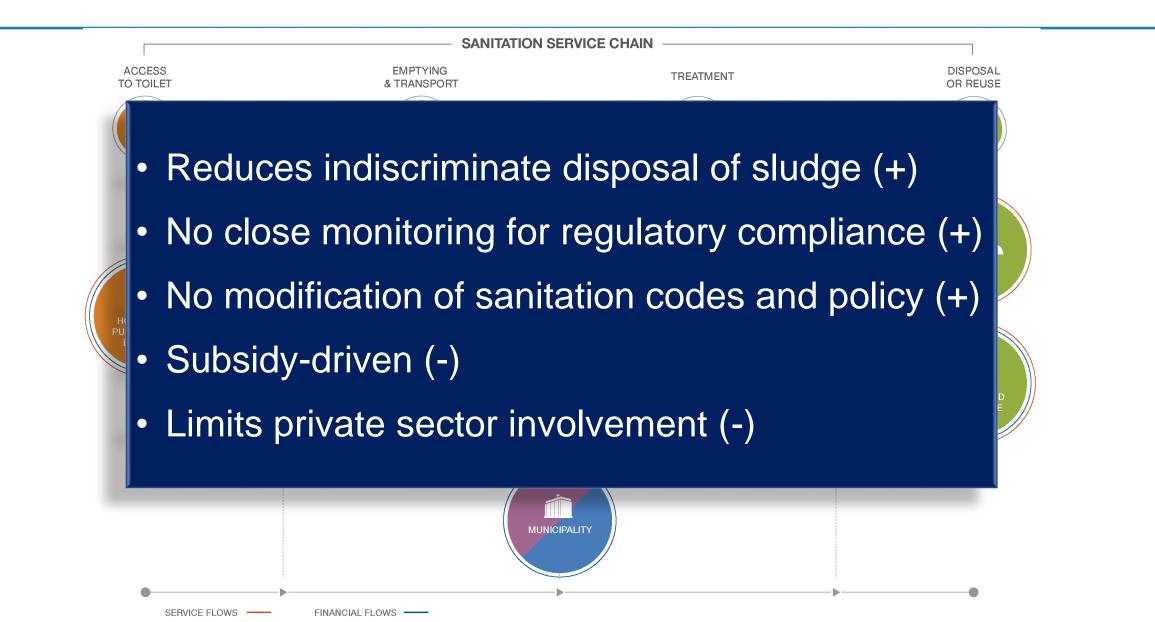


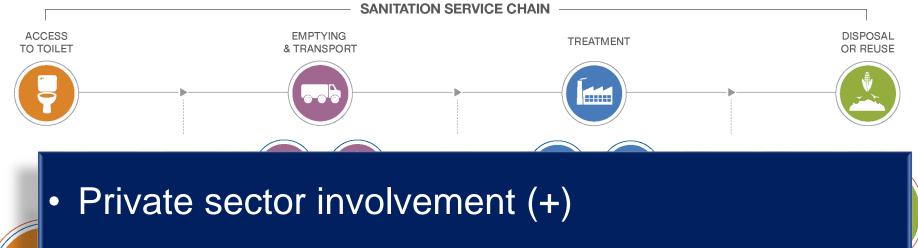


MODELS COVERING THE ENTIRE SANITATION SERVICE CHAIN FROM TOILET ACCESS TO REUSE

- Non-movable UDDT installation
- Container-based sanitation (CBS)

Typical Public Sector Emptying Model

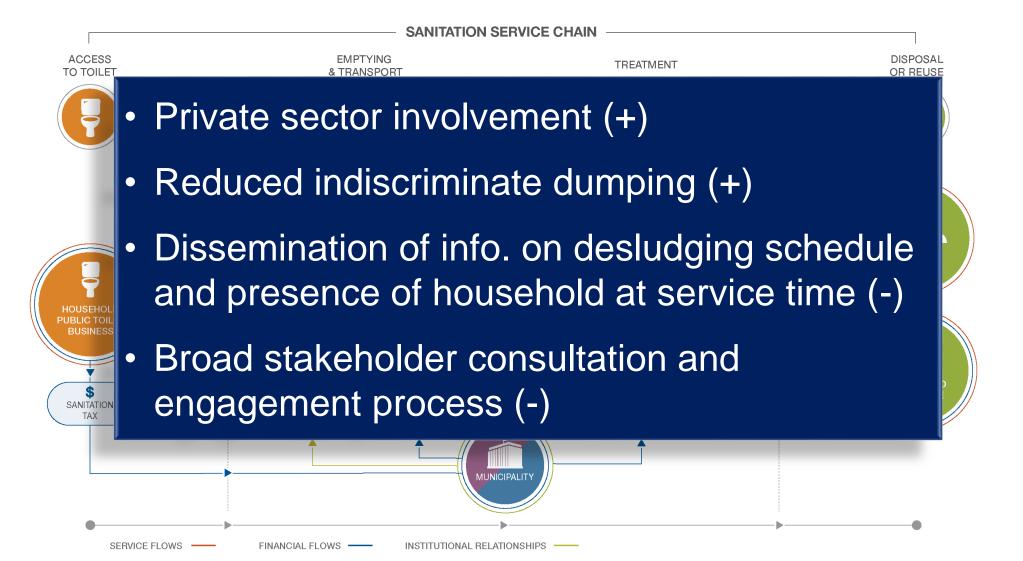




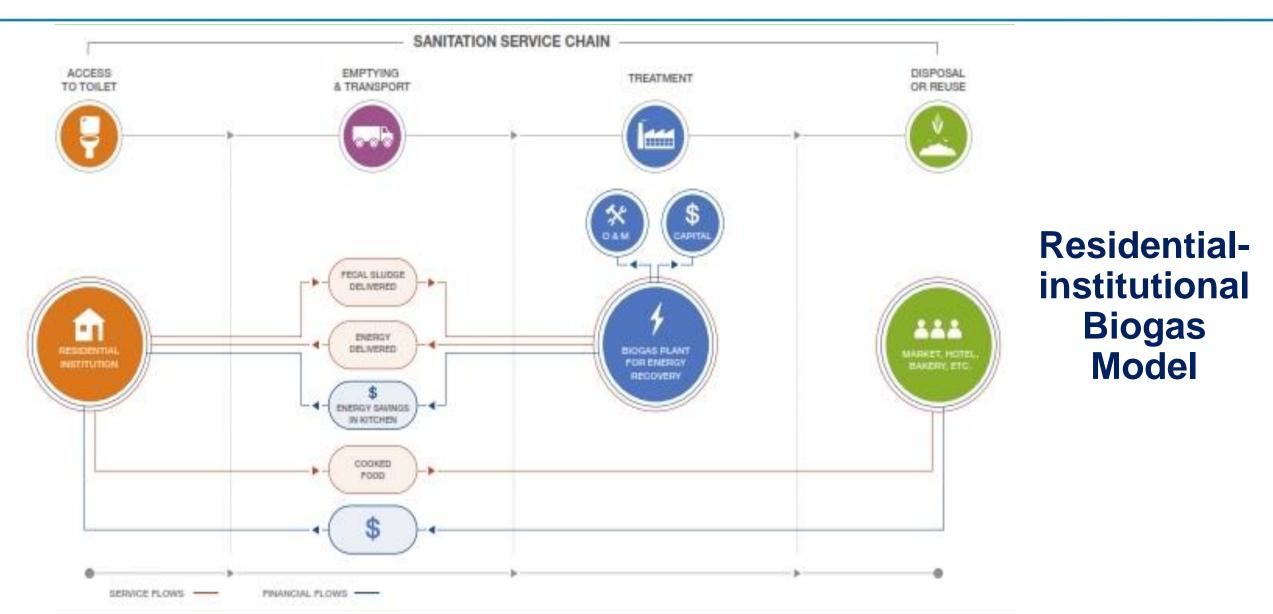
- Reduced subsidies for waste collection (+)
- Tipping fees a disincentive for operators (-)
- Potential indiscriminate disposal of sludge (-)
- Close monitoring for regulatory compliance required (-)



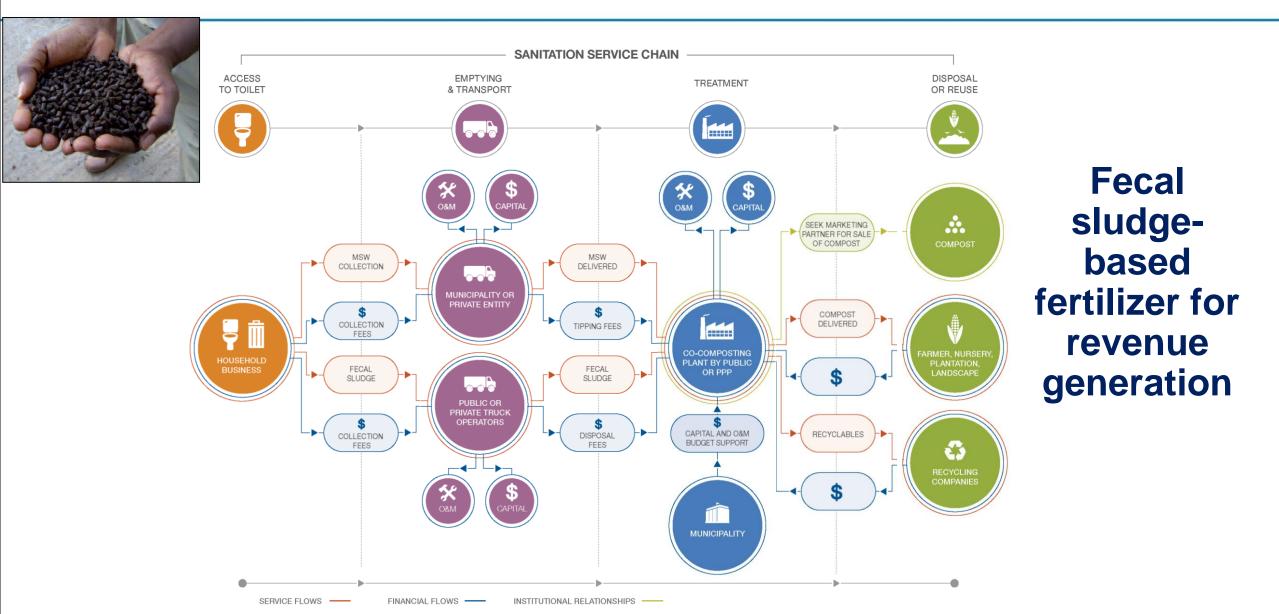
Scheduled Desludging with Sanitation Tax



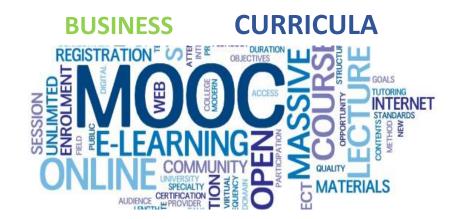
A range of possible business models which require local feasibility studies and adaptation:



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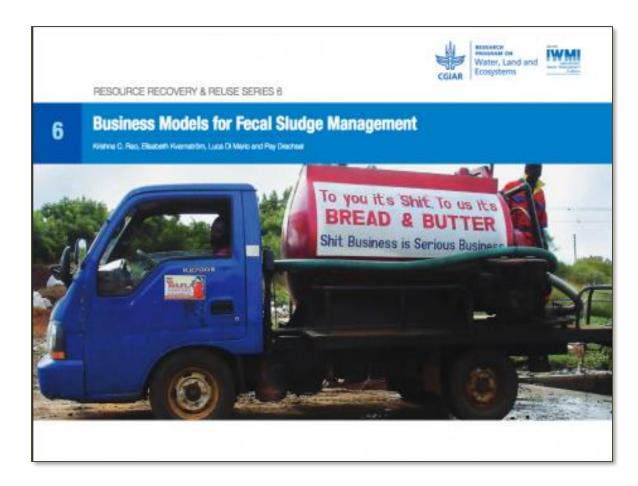


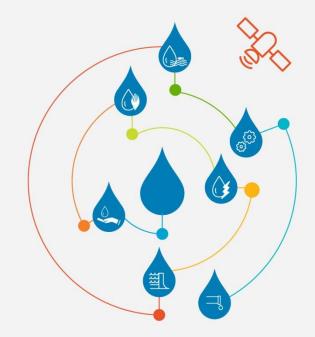
Next steps: Transformation of knowledge to develop capacities and support decision making





Partnerships welcome!





Thank you.

Miriam Otoo, PhD m.otoo@cigar.org

http://www.iwmi.cgiar.org/research/ruralurban-linkages/resource-recovery/



