

## **Cheryl Hicks Executive Director**



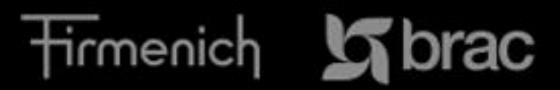
















# **BOARD COALITION**

















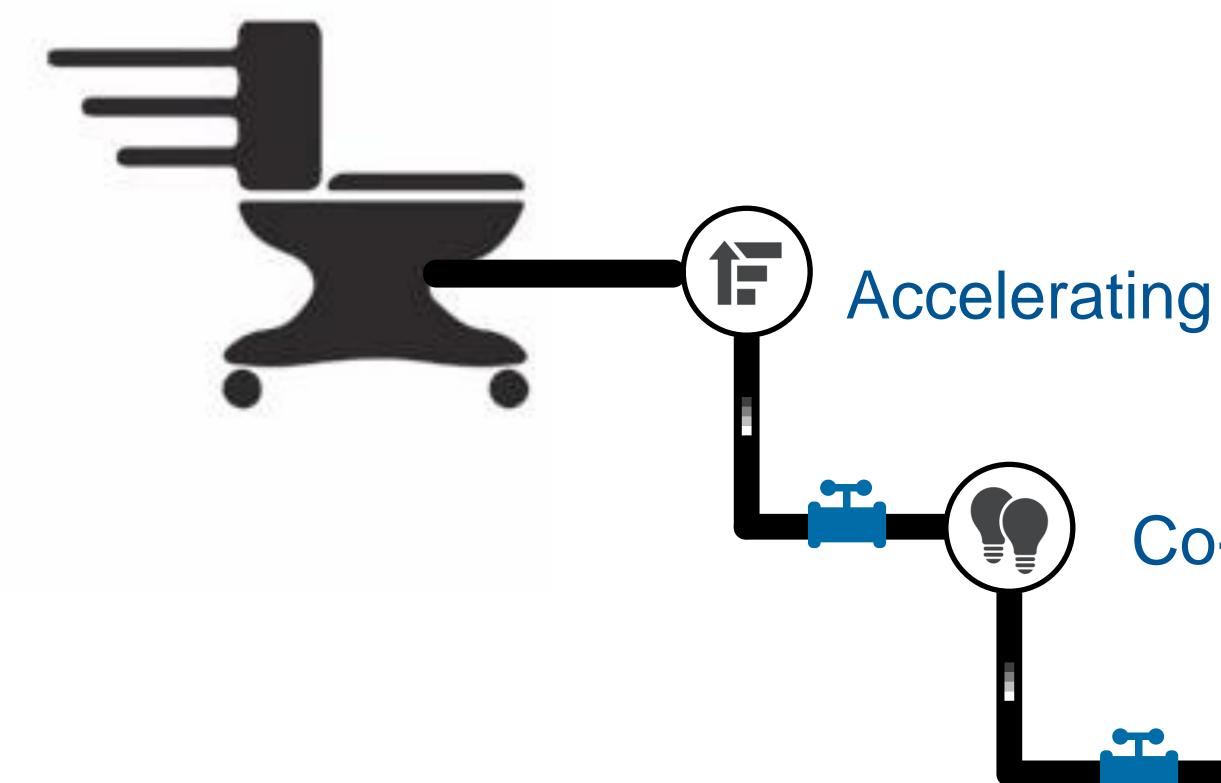








### We are facilitating business to business partnerships to win!



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## ACCELERATOR

#### supporting sanitation business needs for scale & accessing business experts

### **Co-innovating**

partnerships between large & small businesses with mutual business interest to create new value



cross sector partnerships for access & distribution between businesses targeting the same customers in the BoP







# 2016 Cohort Results



Last mile distribution of sanitation via bespoke toilet design and innovative financing mechanism to achieve 100% coverage



Business operations efficiencies, sales & marketing expertise yield 200% increase in toilet sales



Collaboration with mobile money experts & PAYG Solar Sector yields 1st mobile money implementation in sanitation



Collaborative innovation process yields new aspirational container toilet design to address malodour, water use, and enable "no touch" cleaning & collection



















BUYER: Industrial plant, agriculture, transport as re-user of up-cycled waste products & raw materials

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UNLOCKING THE SELF-SUSTAINING BIOLOGICAL SYSTEM



#### SANITATION IN THE CIRCULAR ECONOMY

Transformation to a commercially valuable, self-sustaining, biological system

A thought piece from the Toilet Board Coalition November 2016









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UNLOCKING THE SELF-SUSTAINING BIOLOGICAL SYSTEM

TRILET ACCELERATOR 2017

SANERGY

## THE BIOCYCLE





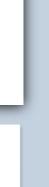


















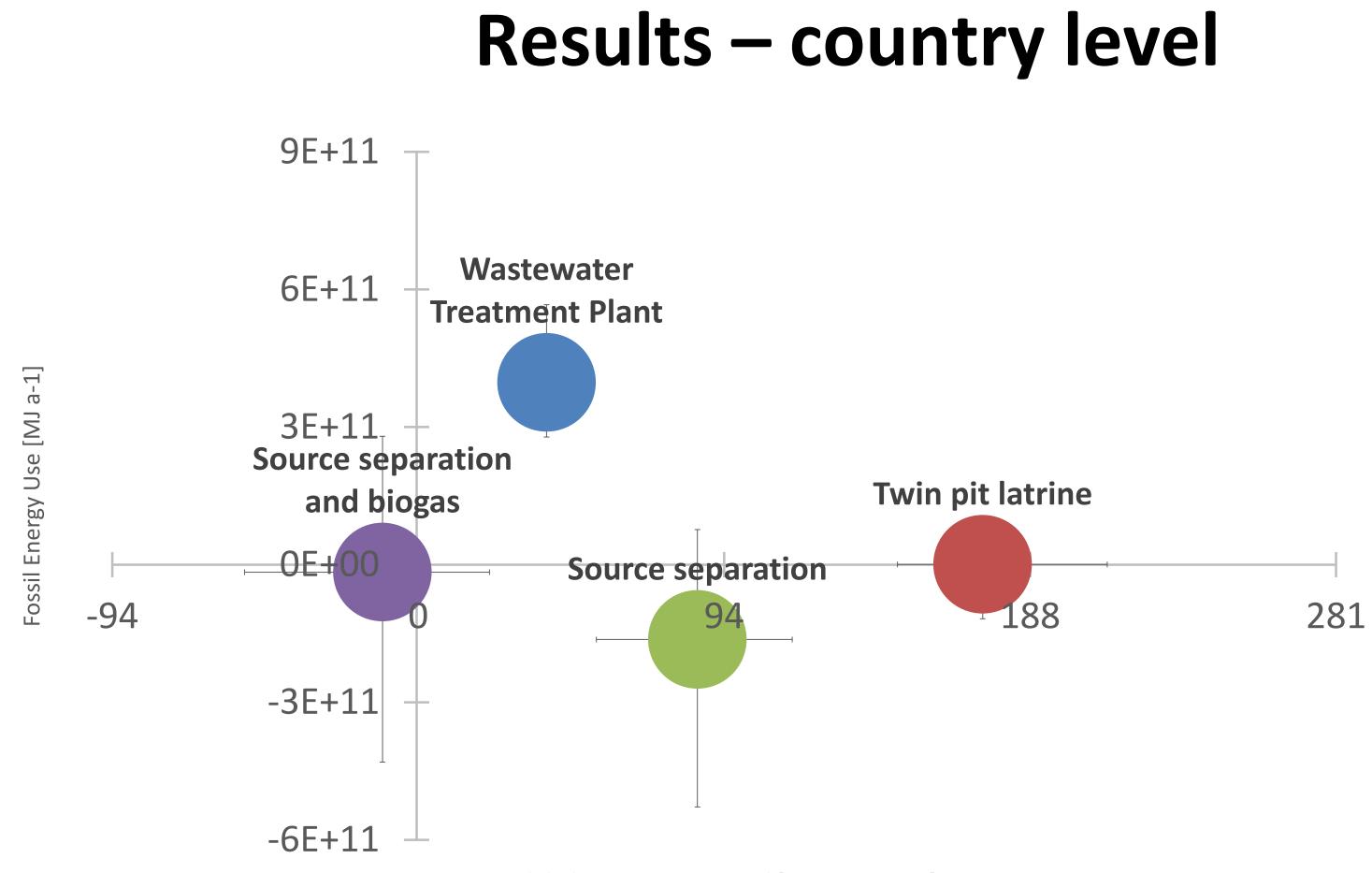
# **L**stimating Environmental Impacts of Scaling Up Sanitation

Nimish Shah Michal Kulak, Niteen Sawant, Henry King



**Safety and Environmental Assurance Centre, Unilever R&D** 





Global Warming Potential [MT CO2eq a-1]







### Key Messages

- Technology choices in scaling up sanitation will have important environmental sustainability implications
  - If all new toilets are pit latrines this can significantly increase India's annual GHG emissions
  - Source separating biogas toilets can lead to net reductions of impacts
- Closing the sanitation gap with circular sanitation systems can potentially offset greenhouse gas emissions while satisfying significant portion of fertiliser & fuel requirements of India







"Toilet" will change the future! LIXIL's sanitation solutions

### Kensuke Tomita Managing Director, External Affairs Senior Manager, Social Toilet Department **LIXIL Corporation**

February 21, 2017







#### **Global housing and building industry leader**





#### **Our Corporate Responsibility Mission** By 2020, improve the livelihood of 100 million people through sanitation and hygiene solutions.

#### **Global Sanitation & Hygiene**

Promote and enable access to safe and hygienic sanitation practices, especially for women and girls, while preventing the harmful transmission of diseases for children



#### Water Conservation & Environmental Sustainability

Conserve water, energy, and other natural resources utilized in and by LIXIL products and services, including in the supply chain, production, distribution and during end use

### LIXIL



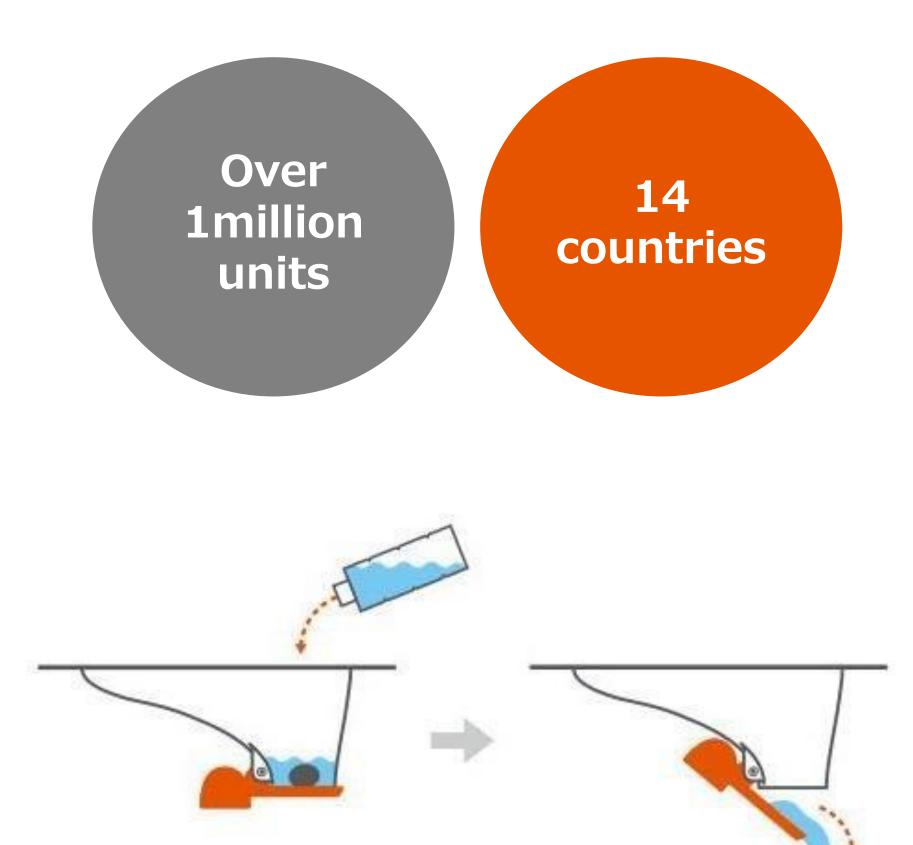
#### Diversity & Inclusion

- Enhance quality of life and wellbeing for the elderly and the physically disabled through LIXIL products and service
- Harness the intelligence and perspectives of our diverse workforce as an engine for growth and innovation



#### SaTo: Affordable sanitation solution for the developing countries

> Over one million units have been sold to and installed mainly in Africa and Asia, contributing to reducing the need to defecate out in the open.



#### LIXIL



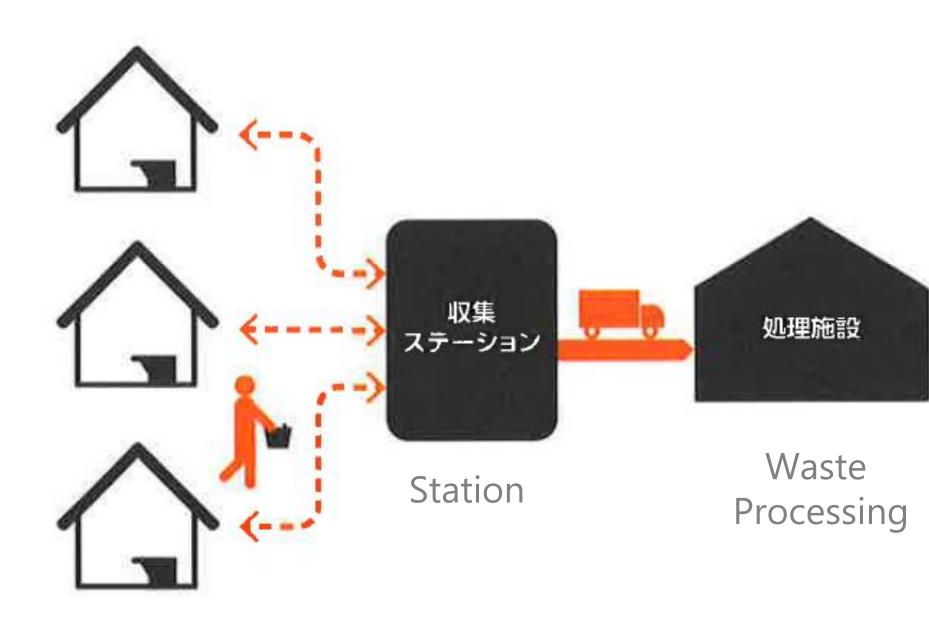
#### Building value chains locally Deploying models meeting local needs





#### "Portable Toilet System" for urban slums

- > A radical innovation in the field of inhome sanitation
- Collaborate with a service provider for transportation and treatment



In development

### LIXIL



#### "Micro Flush Toilet" for urban and "Green Toilet System" for peri urban areas

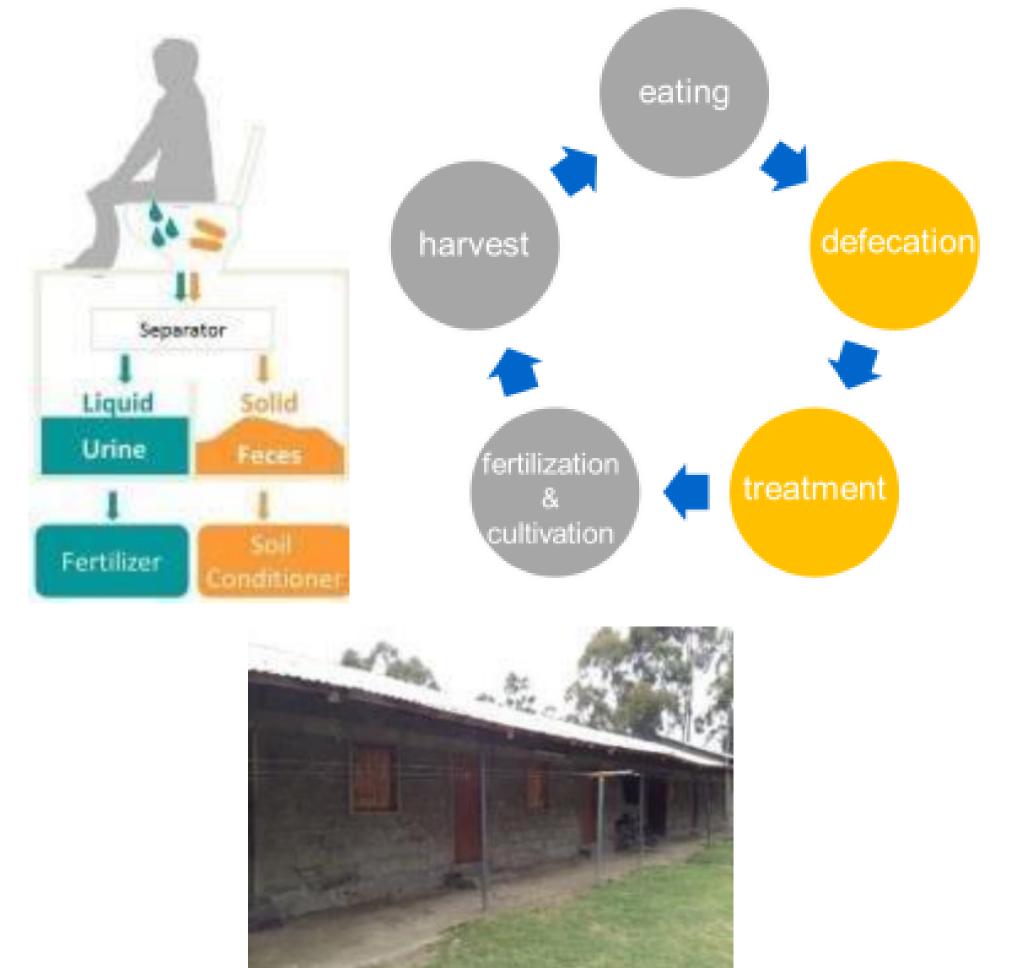
Less than 1L to flush toilet for communities that are facing water scarcity or high frequency of water failure.



#### LIXIL

#### In development

Environmentally friendly waste management system that converts human waste to fertilizer.



#### In development



BUYER: Industrial plant, agriculture, transport as re-user of up-cycled waste products & raw materials

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