Getting communities engaged in water and sanitation projects

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Nerds with an attitude: **Awesome!!**
I was going to talk about producing HUMANURE.

(see University of Delaware for research practicum)
Expanding the discourse beyond youtube videos by Matt (water.org)
First: Don’t call me toilet obsessed!!
We are wasting drinking water

HOLD THAT FLUSH!

Don’t Flush:
- Tampons
- Maxi Pads
- Paper Towels
- Cigarette Butts
- One Night Stands
- Cellphones
- Condoms
- Love Letters
- Junk Mail
- Sweaters
- Socks
- Hopes
- Goldfish
- Dreams
- Diapers
- Make-up
- Maps
- Gum
- Poetry
- Baby's First Tooth
It isn't only the toilet

- Tim Henderson inspects London Sewer

Hot Sewage: geothermal energy for the plant

Intake pond of waste water treatment plant near I-95 North East Philadelphia
A quick history without the flush
World Gold Council, Hong Kong
$10 million. Display only

Standard flush Designs

$55
Problems:

• Most flush toilets use clean, safe drinking water, creating a large “water foot print”
• “Downstream” maintenance and handling of “black water” require expensive infrastructure
• 60% of world population has no access to fully well developed, improved sanitation system
• 2.1 billion people have no access to safe sanitation, don’t know how to get it, and can’t afford it.
Globally, the industry panders to the upscale side of the market ignoring the poverty markets

- Poor people have little or no access to soap, clean water.
- Many poor people lack the skills and means to maintain a system.
- When shared: the “tragedy of the commons” creates very bad situations, with no one taking charge.

**THERE IS A HUGE INEQUALITY in the world around sanitation**
For the wealthy
And what’s on the wall at IKEA’s loo?
For the poor:

- New Delhi promised to build hundreds of public toilets for the 2010 Commonwealth Games. Only 9 were built, and none of them are functioning. This short report from Al Jazeera’s Sohail Rahman highlights the fact that over 50 per cent of Indians have no access to clean toilets.
What makes it so elegant is that it resolves a life-threatening sanitation issue while simultaneously creating a much-needed source of carbon-free energy!!!

Sarah Butler-Sloss, Ashden Awards founder

Obayomi, Inventor, on the reasons why the design is not implemented:
"Although I've been filmed by government TV and won these awards, no politician has approached me to build anything. In Nigeria there is a lot of talk but very little walk," he lamented.
Design improvements with technology that fits the environment, is sustainable, can be maintained at low costs.
Integrated WASH programs at the community level

WASH training for imams in Bangladesh. Photo: Masjid Council
Children as messengers

RFA#: WASH2013-001

The purpose of this Request for Applications (RFA) is to fund research that will more fully characterize the relative health impact (i.e., diarrheal diseases, STH infections, and anthropometric measures in children) of sanitation coverage in areas marked by high population densities compared to those with lower population densities.

- Designing effective contracts for small-scale service providers in urban water and sanitation
On World Water Day, the World Bank announced the Top 10 Finalists of the Sanitation Hackathon App Challenge:

- **Empowering Girls.**
- **LION Sync** assists decision-makers
- **LooRewards** promotes sanitary behavior
- **mSchool** monitors infrastructure in schools.
- **mSewage** crowdsources sewage outflows.
- **San-Trac** about hygienic practices
- **Sanitation Investment Tracker** at the household level.
- **SunClean** teaches children.
- **Taarifa** enables citizen reporting
- **Toilight** finds toilets
Who will save the world from the ugly toilet?

Everywhere in the world, even the poorest families try to beautify their houses. Then why are low-cost latrines often so ugly?

Christine Sybesma
Motto:
Don’t flush, save water, create beauty
Get organized, join the movement

Philadelphia Global Water Initiative’s
6th Annual Conference

Gender and Water: Leading Beyond the Burden

April 9, 2013
University of Pennsylvania- The Wharton School
Jon M. Huntsman Hall

Networking Reception to Follow at Fairmount Water Works Interpretive Center