



Presentation from
**2016 World Water
Week in Stockholm**

www.worldwaterweek.org

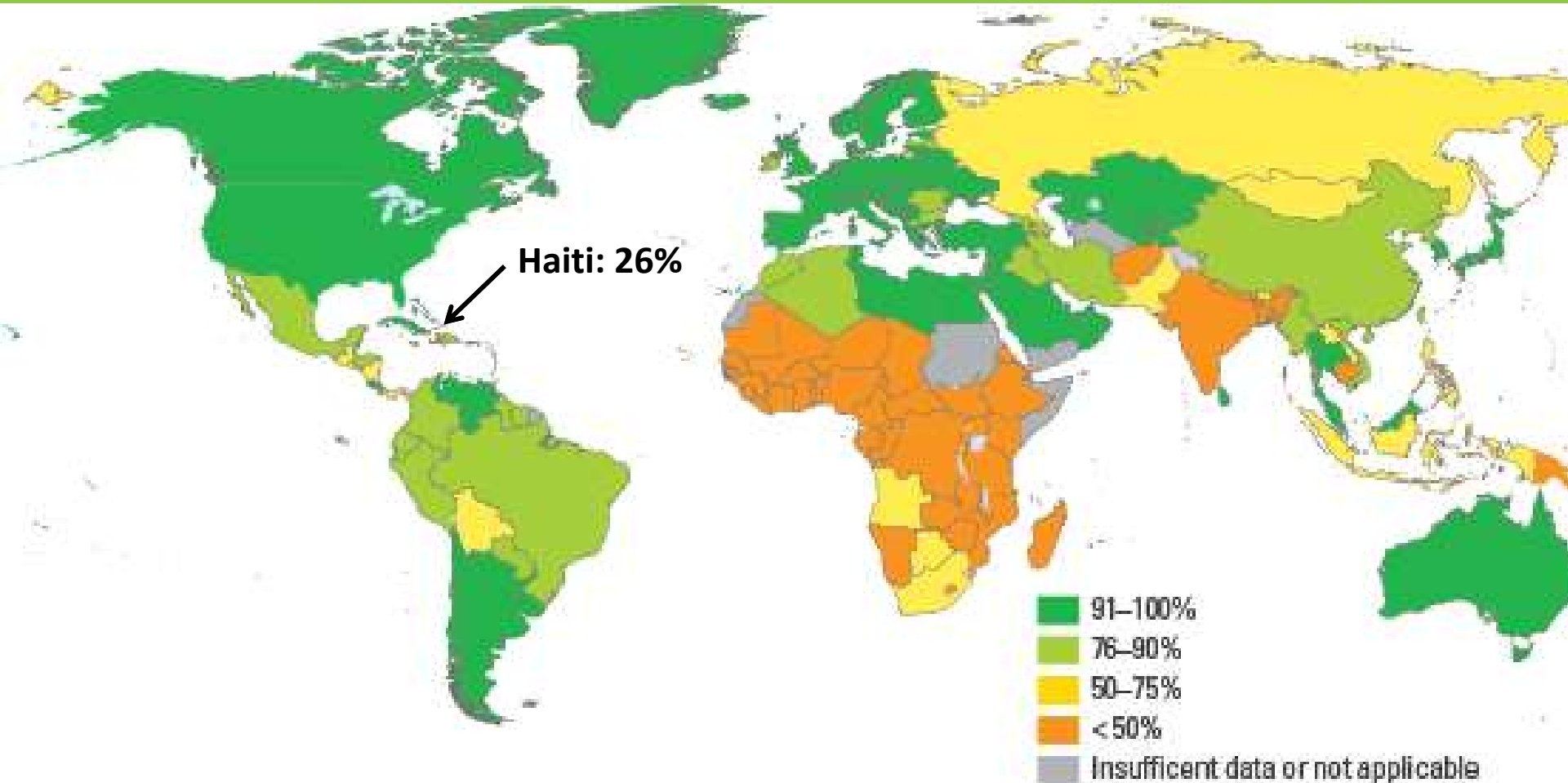
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Building a Sanitation Business in Urban Haiti: A Model for Informal Urban Settlements?

Sasha Kramer, Ph.D.
Co-founder and Executive Director SOIL

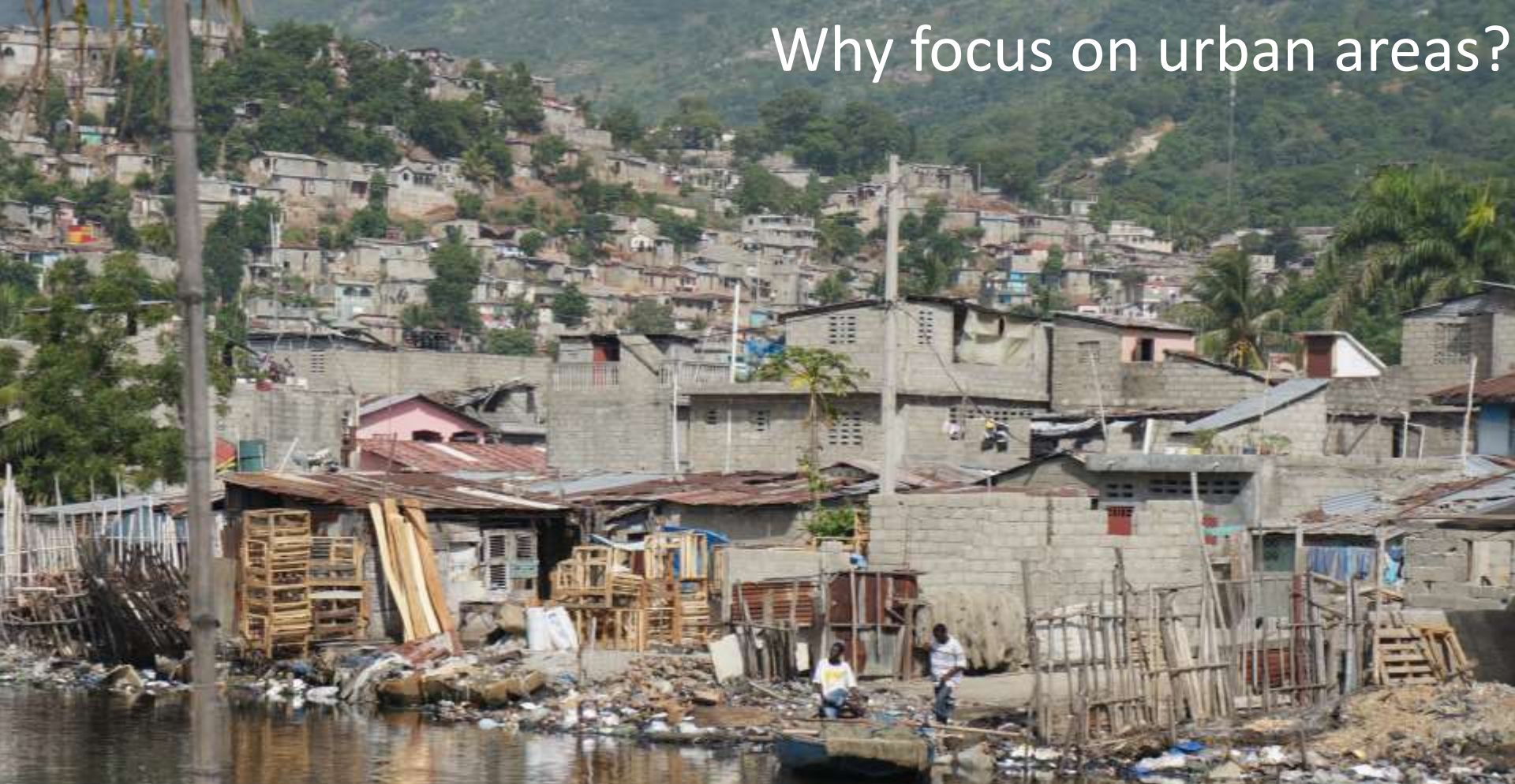
Global Sanitation Coverage







Why focus on urban areas?

- 
- Population in urban areas expected to double by 2050
 - Low cost technologies that work in rural areas (latrines and septic tanks) often impossible or dangerous in cities
 - Threat of disease higher in densely populated areas
 - Density of homes improves financial viability of business





2.5 billion people
without a toilet

CONTAINMENT



COLLECTION



TRANSPORT

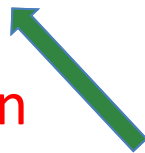
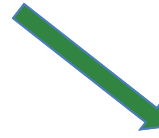
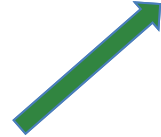


TREATMENT

REUSE



Waste from 4.1 billion
people goes untreated



EkoLakay

















SOIL JODIA POU PRAN YON TWALET POU LAKAYOU

Eau NOSSEE



Fyète!
Sekirite!
Santè!

EKOLAKAY

Se Bon Bagay
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Info@OUR SOIL.org
@SOIL Haiti

22602



TWALET POU LAKAYOU















GLASI 5
08X 1.2







KONPÒS LAKAY

SOIL

Azòt (N)	> 2.7%	pH	6.7 - 7.2
Fosfò (P)	> 1.4%	Imidite	> 30%
Potasyòm (K)	> 0.7%	Rapò C:N	<11:1
Kalsyòm (Ca)	> 2.5%	Matyè Òganik (MO)	> 50%
Mayezyòm (Mg)	> 0.8%	Materyèl Inaktif	< 1.5%
Kabòn (C)	> 27%		



Biwo:

Pil:

Dat Anbalaj:

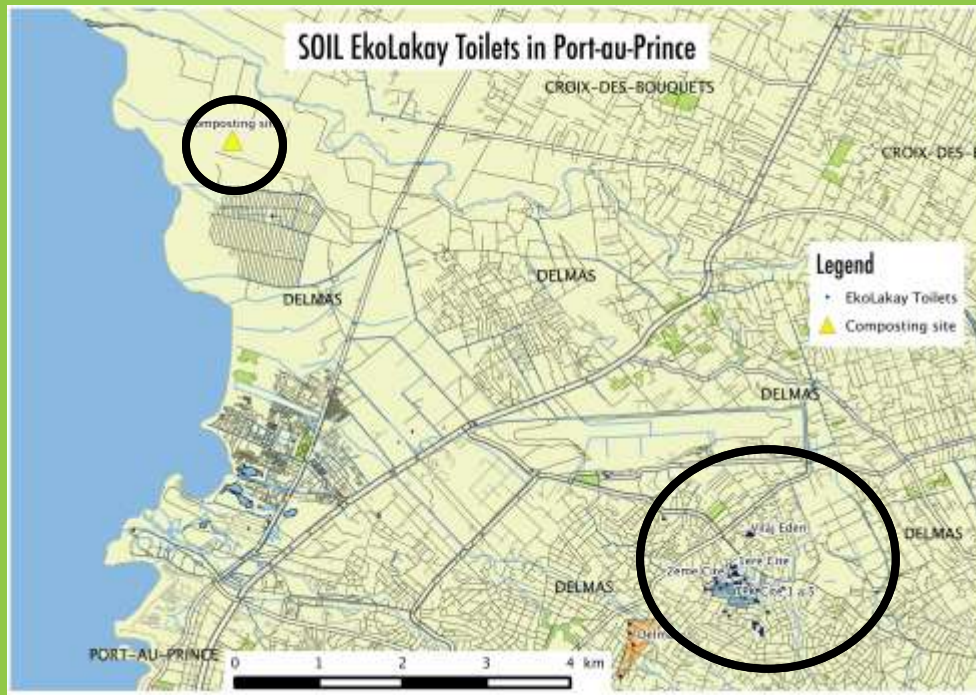
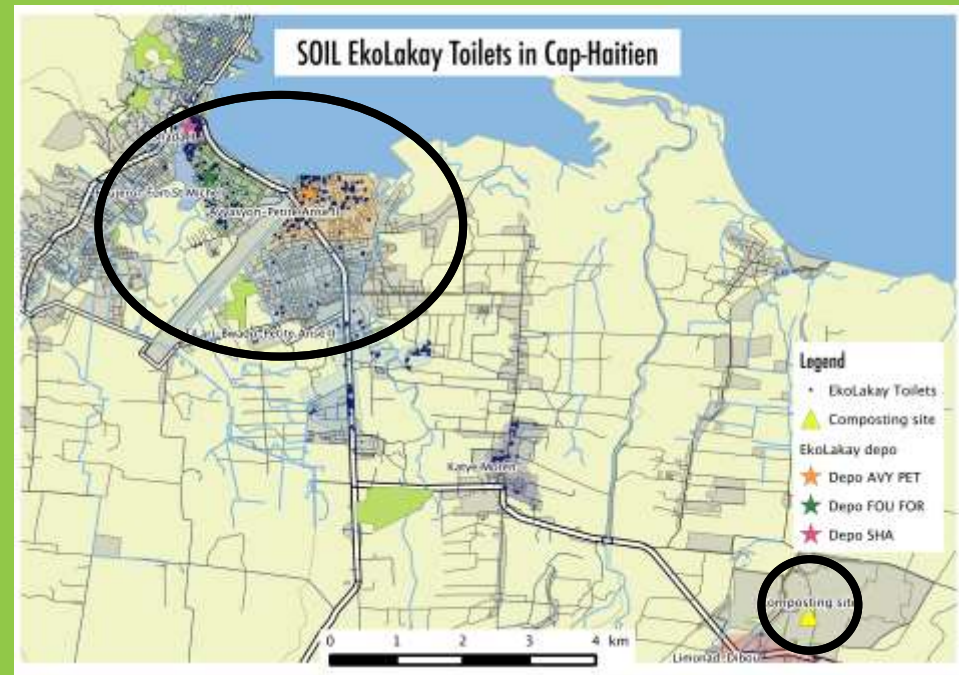
Pwodwi 100% Ayisyen



Current scale

Cap-Haitien

- Paid service started June 2013
- 664 clients as of July 2016



Port-au-Prince

- Paid service started May 2015
- 131 clients as of July 2016

Kat Twalèt EkoLakay ak depo yo

Légende

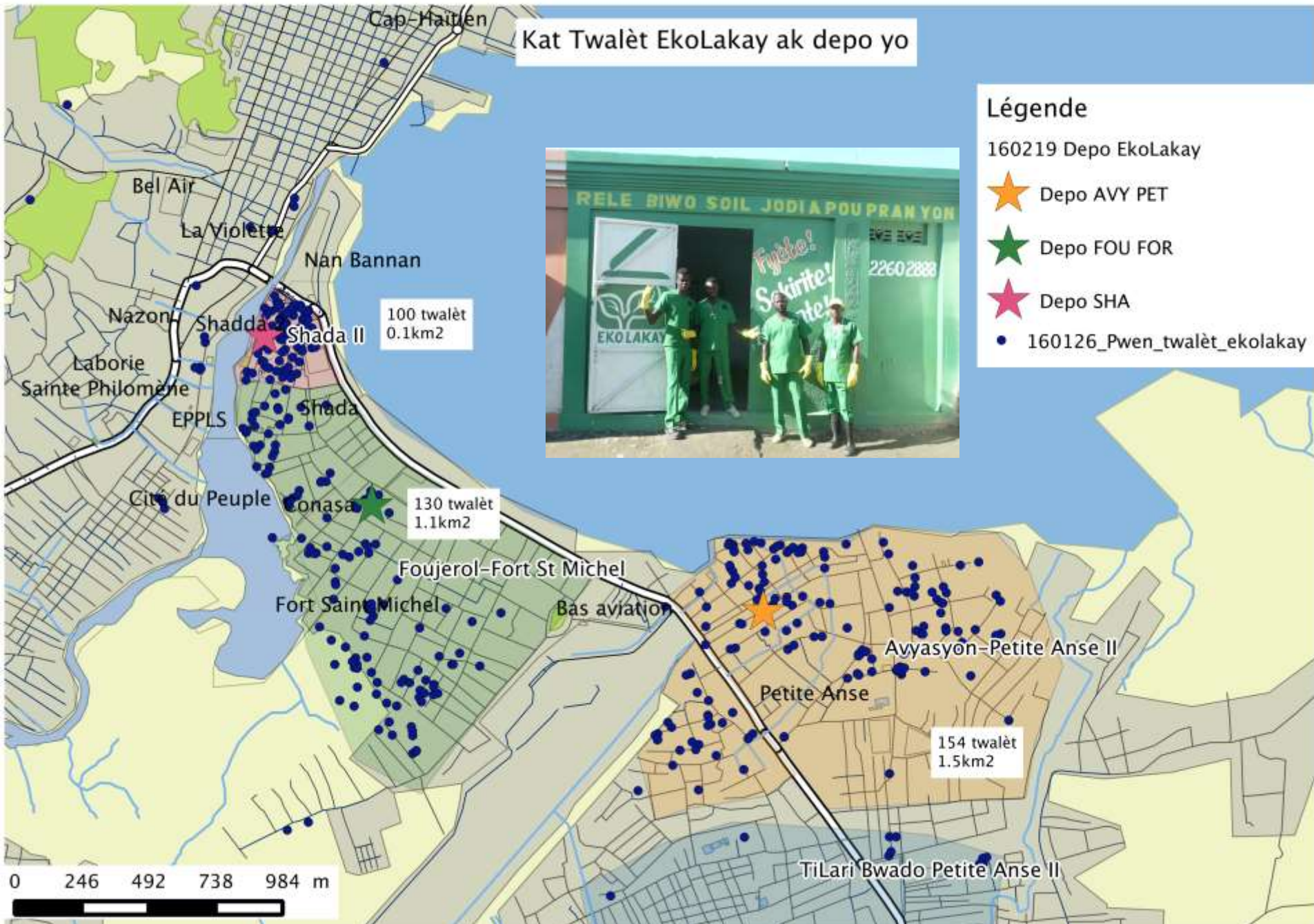
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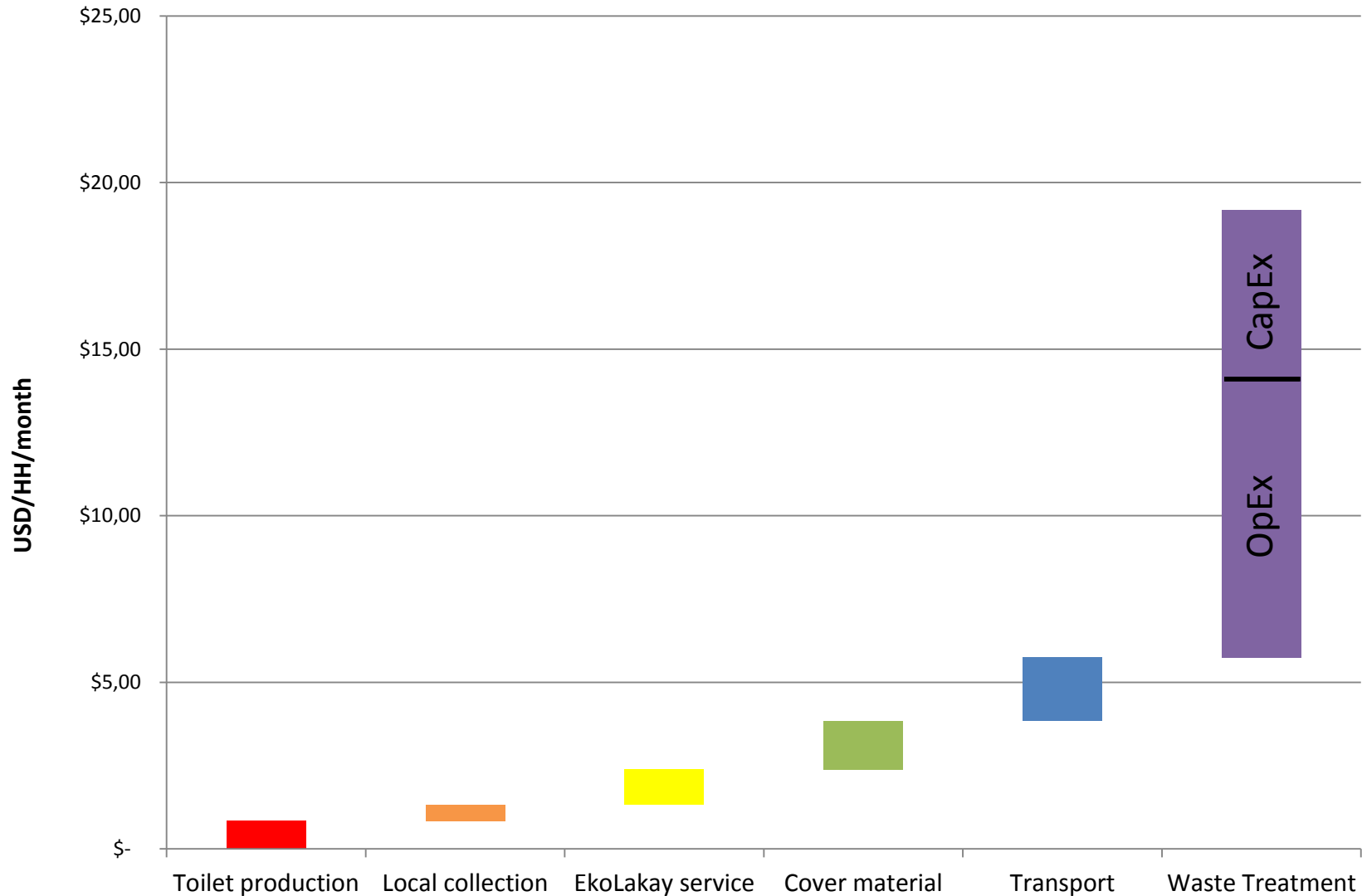
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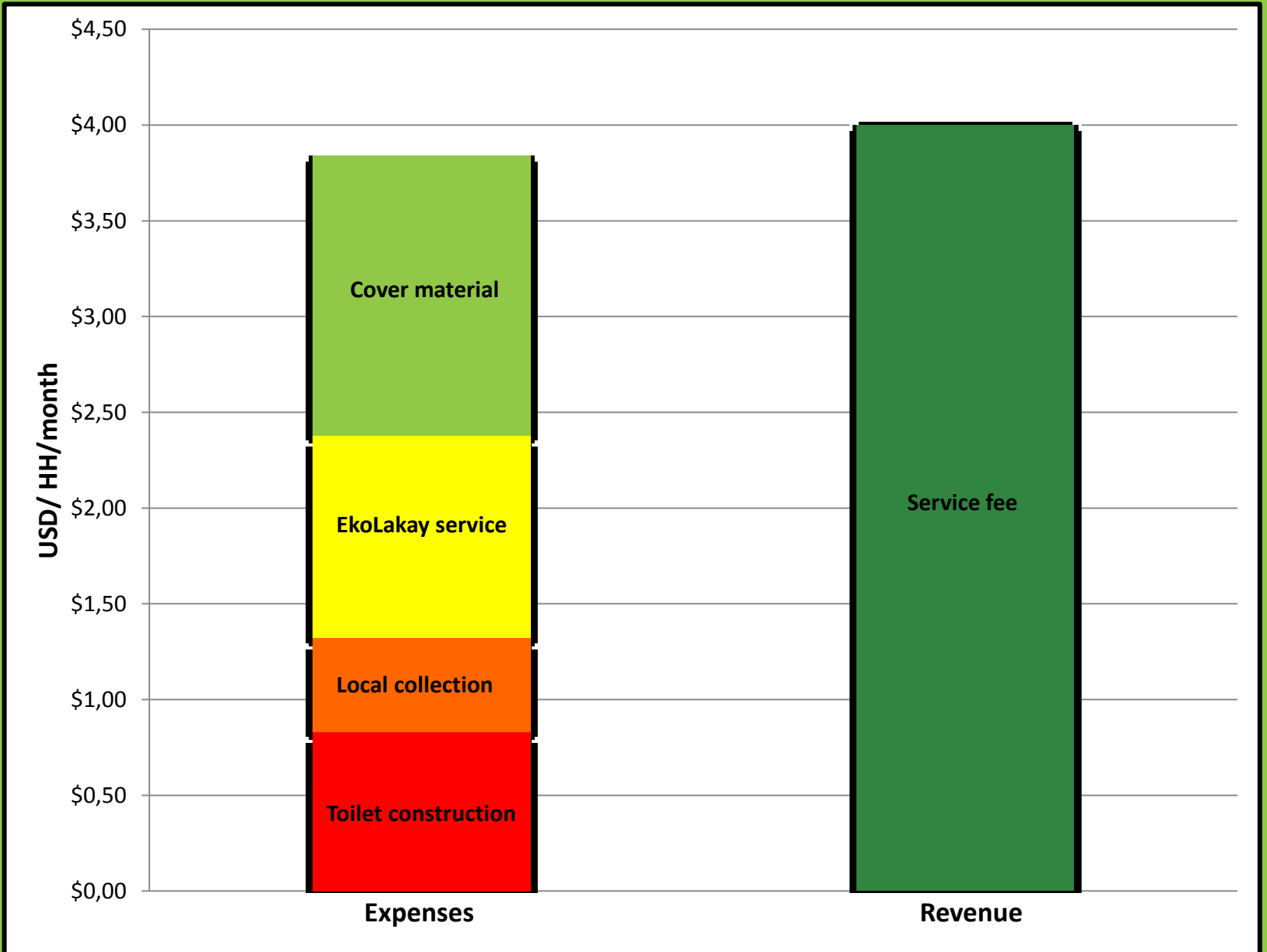


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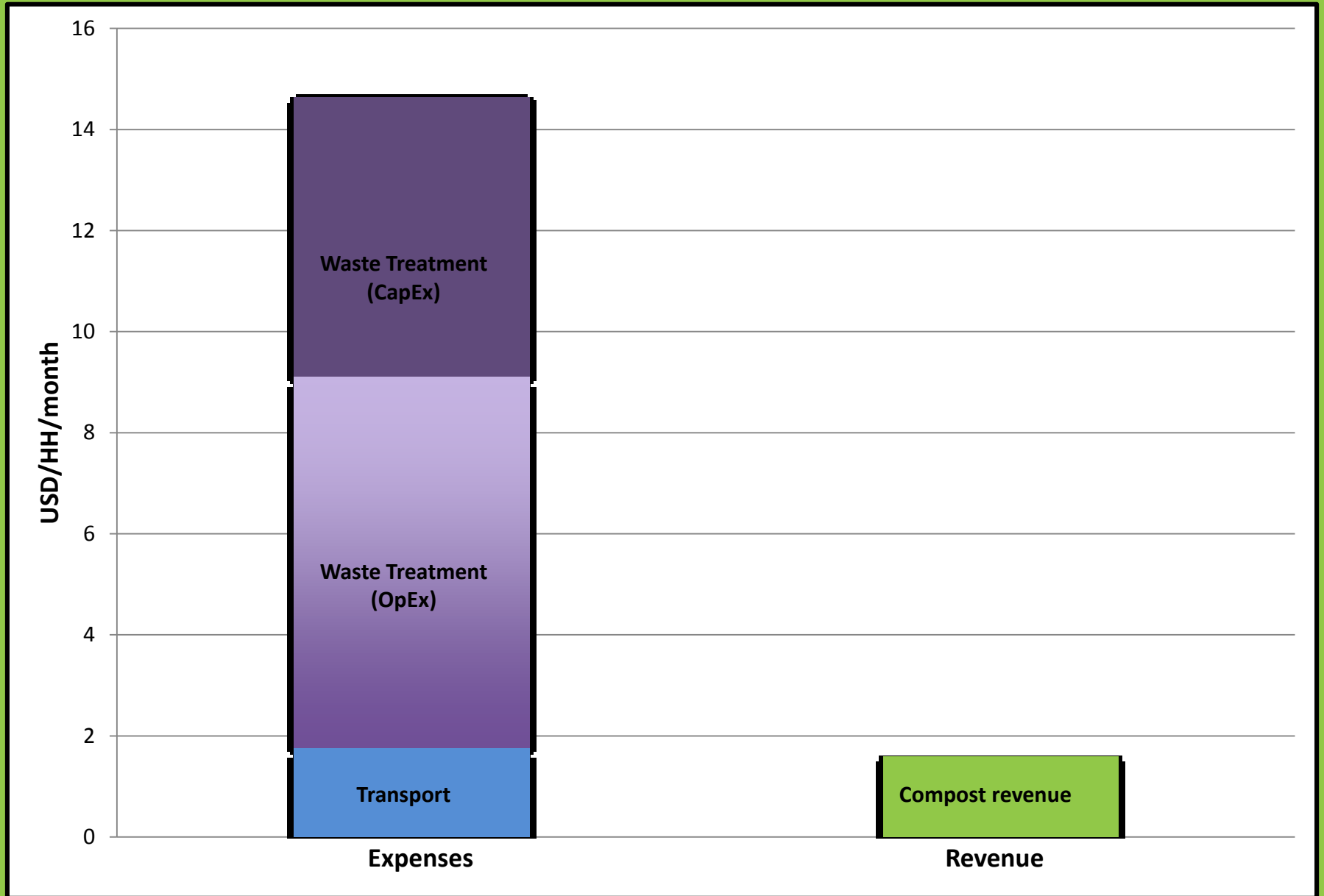
EkoLakay Service Cost Breakdown



Expenses and Revenue: EkoLakay Service



Expenses and Revenue: Waste Treatment



Opportunities moving forward

- When an aspirational product and service are available there is a willingness to pay for the private benefit of in-home sanitation



Challenges moving forward

- Creating a willingness to pay
- Engaging the government
- Covering the costs of waste treatment to ensure full cycle sanitation
- Finding qualified business professionals willing to work in such a low margin sector



Public financing
necessary?

Partners and Funders



sustainable
sanitation
alliance



re.source
Household Toilets in Urban Slums



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