

Mason's Training Programme on Onsite Treatment Systems

Session: 1 Introduction

November 18, 2016

TECHNICAL
SUPPORT UNIT:

iihsTM
INDIAN INSTITUTE FOR
HUMAN SETTLEMENTS

IN ASSOCIATION
WITH:

 **Keystone**



 Consortium for
DEWATS
Dissemination
Society



INTRODUCTION AND REGISTRATION

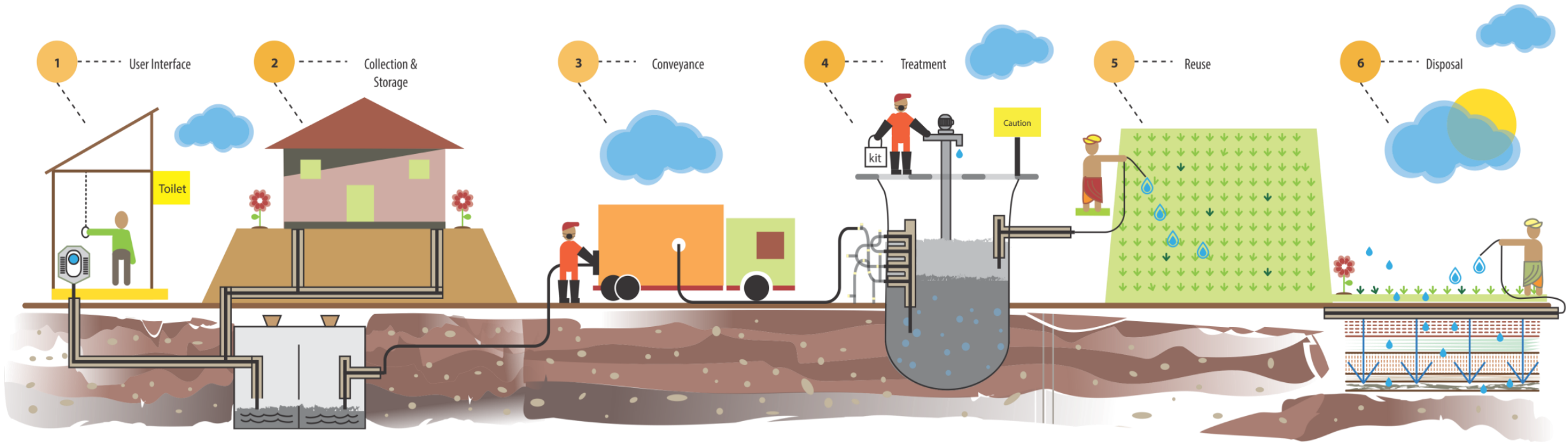
Do you know what happens to shit after flushing?



Journey of Shit (faeces)



Sanitation Value Chain



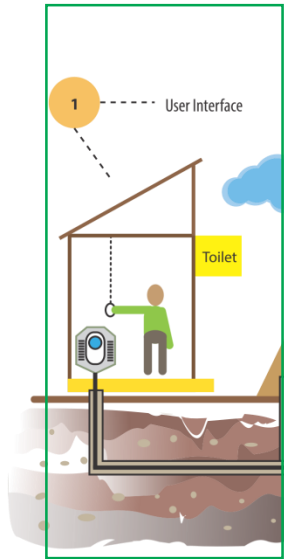
Toilet (user interface)



Urine diversion dry toilet



Pedestal type toilet

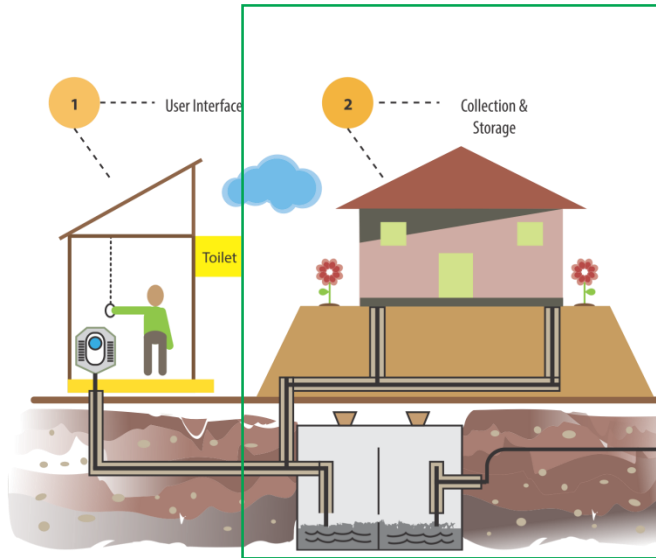


Cistern flush toilet



Pour flush toilet

Containment



Soak pit



Twin pit



Septic tank



Holding tank

Transportation



Honey
sucker

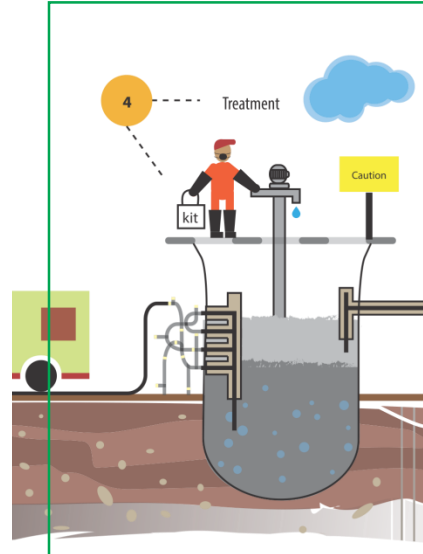


Sewer
system

Treatment



Centralized
treatment
plant



Decentralized
treatment
plant



Disposal & Reuse



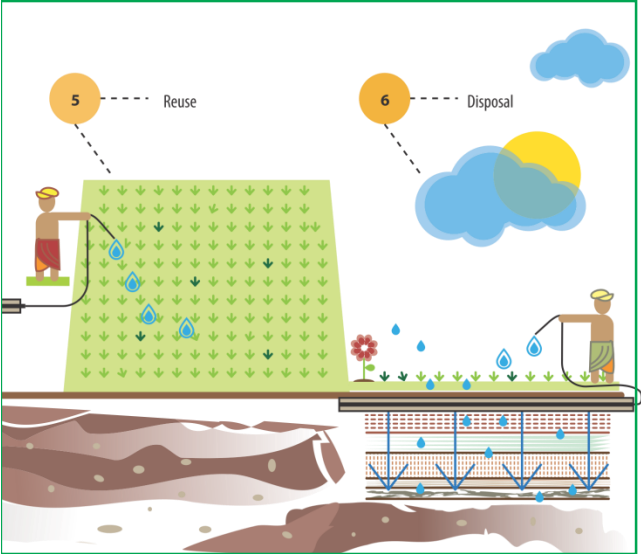
Farm land



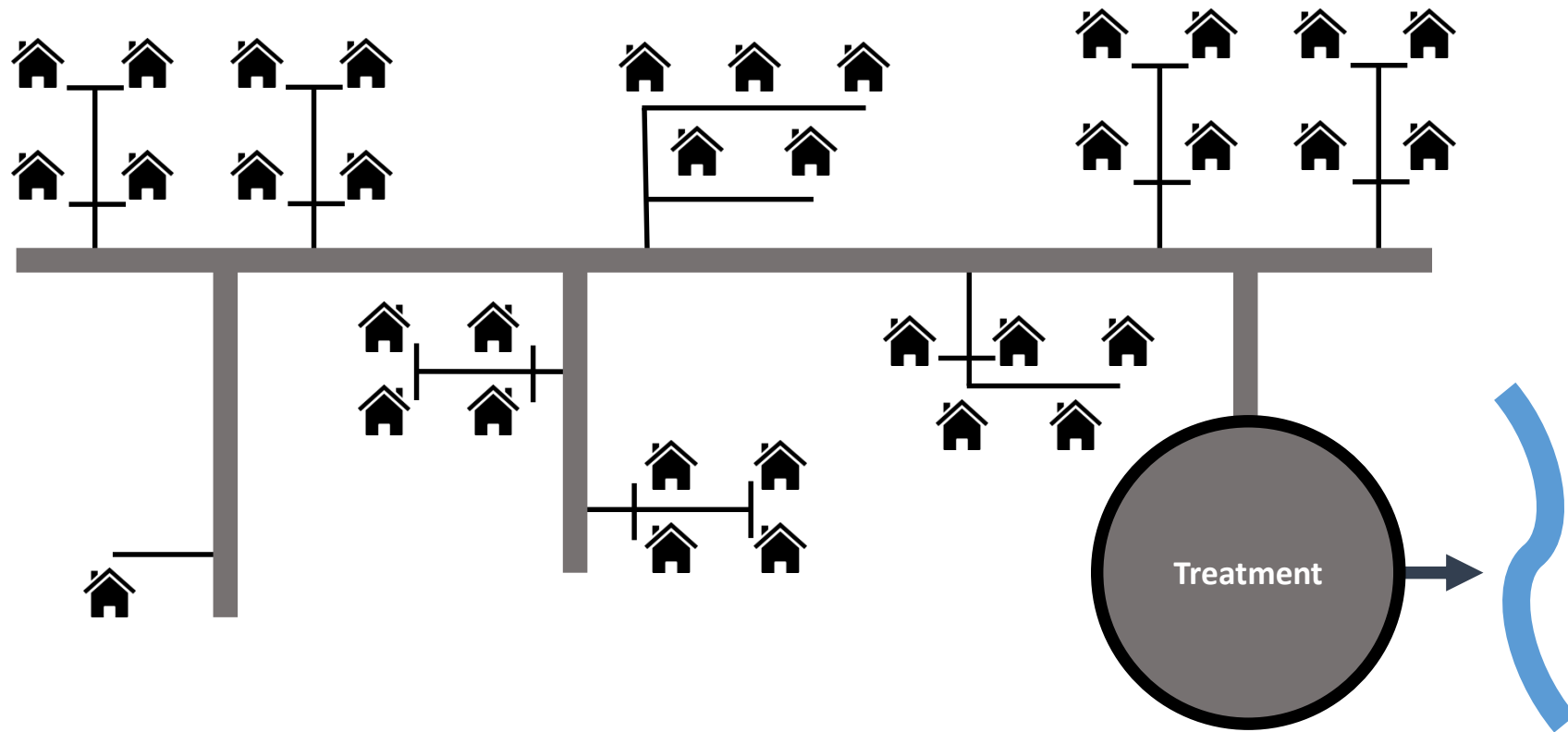
Lake /river



Landscaping

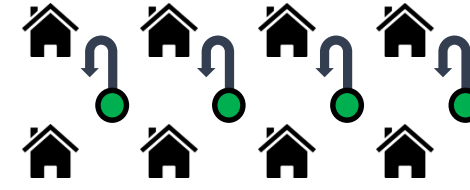


Onsite vs Offsite treatment systems

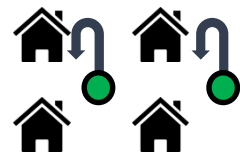
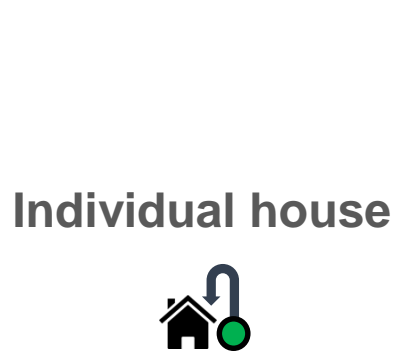


Off-site treatment is the treatment of wastewater that has been conveyed using a sewerage system

Onsite vs Offsite treatment systems



Layout



Colony



“On-Site treatment system stores and treats the excreta at the point of generation”

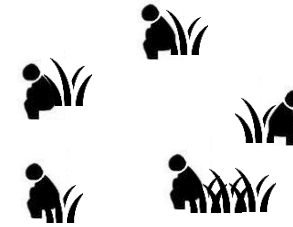
Potential for onsite sanitation systems



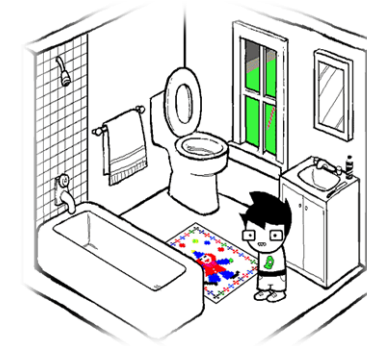
No. of Household in India= 24.7 crores



No. of Household in India with no toilet = 13.1 crores (53%)



No. of Household in India with in house toilet = 11.6 crores (47%)





Take away from the training

- Understand the importance of Masonry work
- Know the Mason's contribution to society
- Learn the design and construction of 2 of the onsite sanitation system
- Know the critical parameters in construction and design of 2 of the onsite sanitation systems
- Understand the resource requirements of each of the 2 onsite sanitation systems

Any further questions?



Thank You!