

# STUDY ON PERCEPTION OF SEWER SYSTEMS V/S SEPTIC TANK SYSTEMS IN MARADU MUNICIPALITY, KERALA

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## AIM

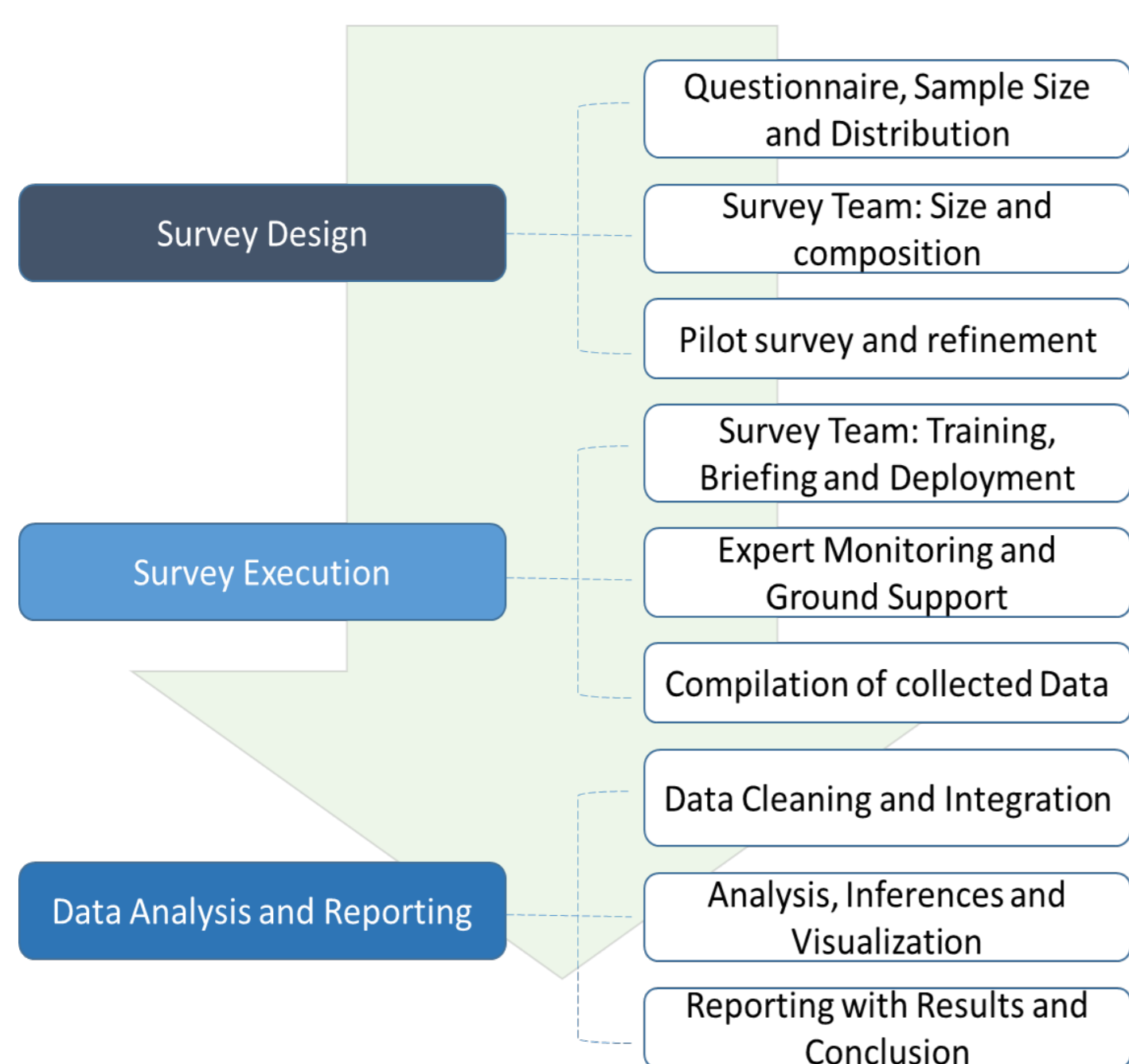
To map the willingness to transition to sewerage and STP system from the existing infrastructure for used water management in the residential, commercial and institutional properties of Maradu Municipality

- i. To map the perception about the current scenario of the used water management: especially the pathways, issues and gaps
- ii. To map the perception on
  1. septic tank systems,
  2. usage of storm water drains, and
  3. sewerage network and STP system.

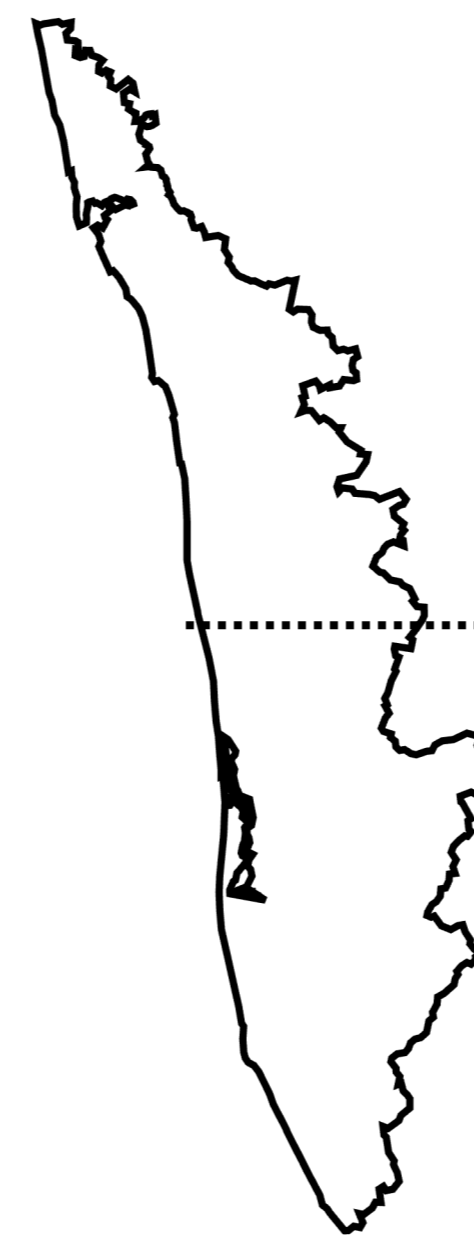
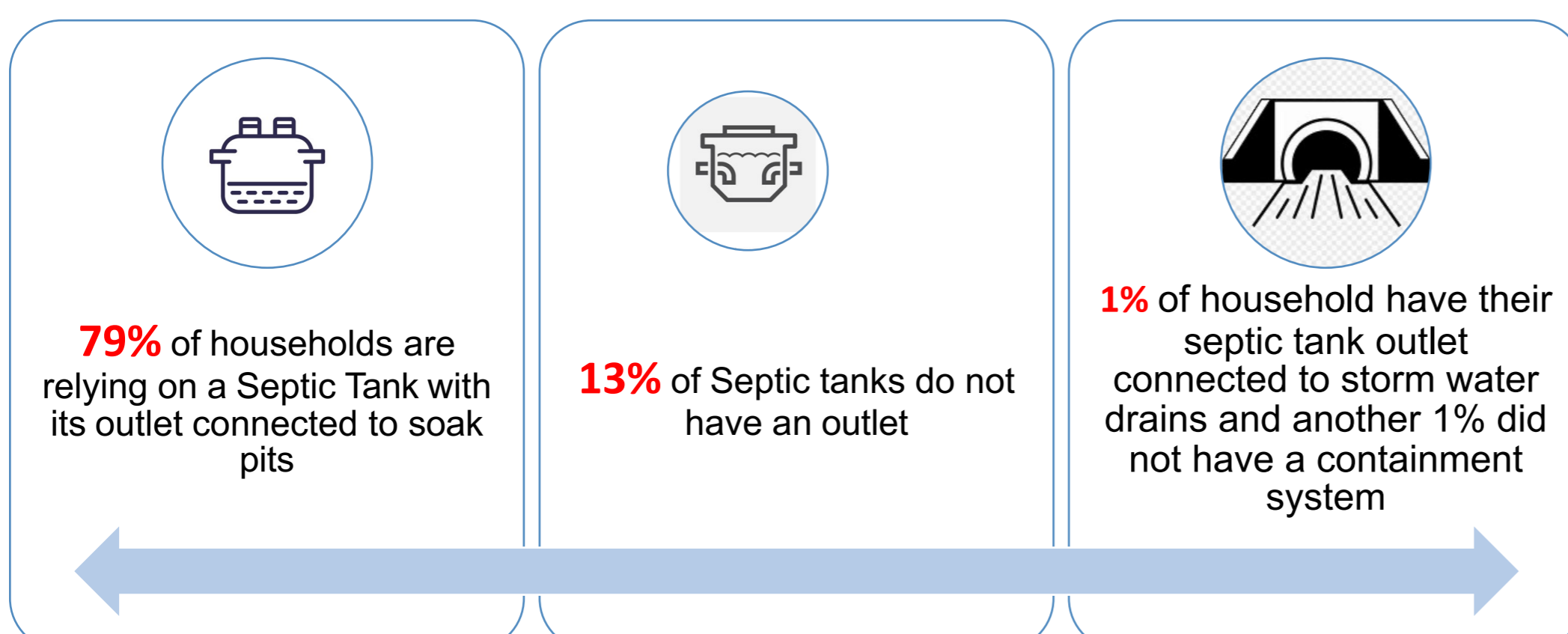
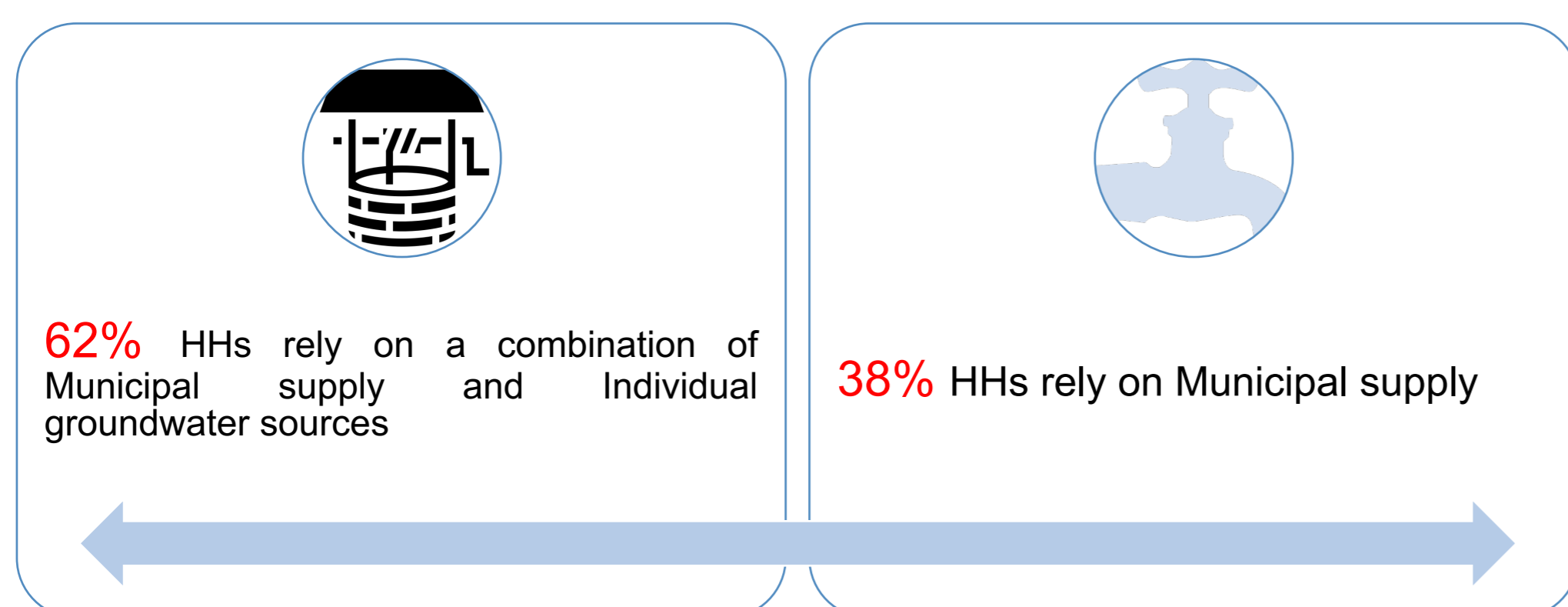
## OBJECTIVES

- Map perception on current Used water Management Scenario
- Map perception on septic tank systems and sewer network systems
- Derive inferences that help quantify a representative 'Willingness to pay' range for a potential sewer system

## METHODOLOGY



## OBSERVATIONS AND INFERENCES



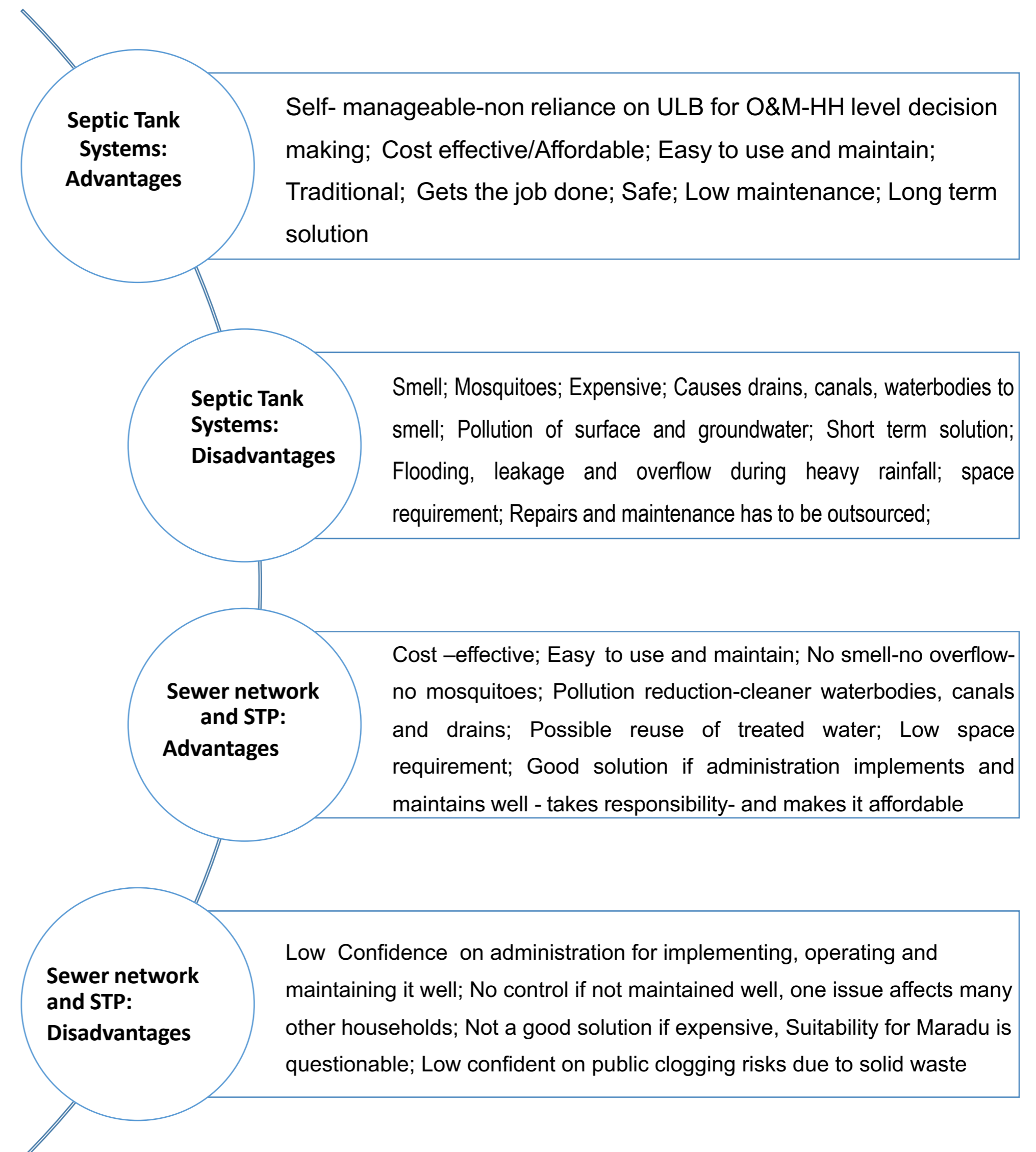
### Survey Sample:

217 Households  
905 persons out of 44,704 population (Census 2011)  
Confidence Level of 95% with Margin of Error at 3.2 %



Location of Maradu Municipality, Kanayannur Block, Ernakulam, Kerala

## Outcome of the Survey



## KEY TAKEAWAYS

- Pilot projects in areas with residents willing to pay for improved sewerage systems can demonstrate the benefits and encourage wider adoption
- Success in these initial projects could then persuade other communities and local governments to consider similar solutions