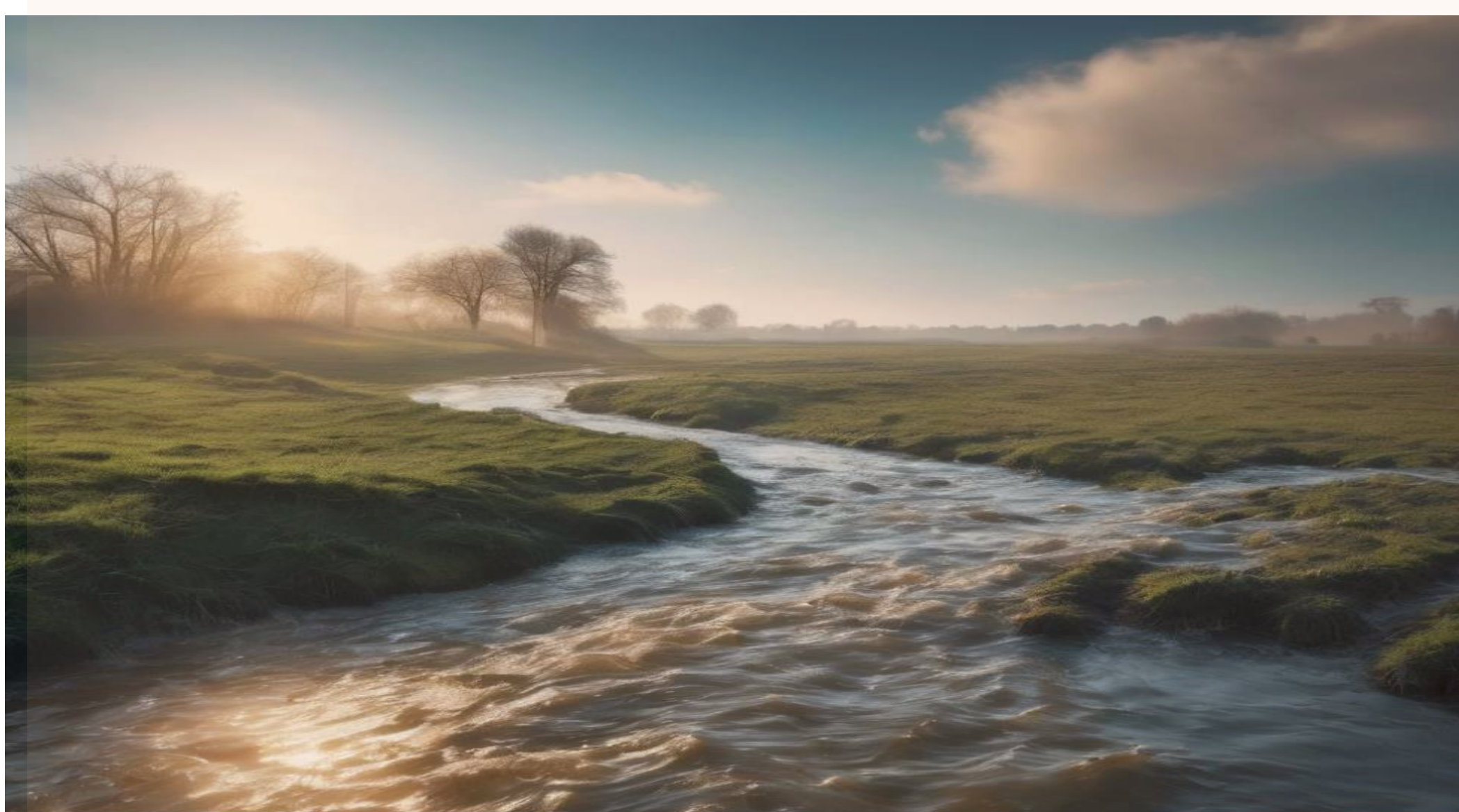


# Frontiers in water circularity in context of WASH

Soomrit Chattopadhyay  
Senior Research Associate,  
Centre for Sustainable Development, Gokhale Institute, Pune

## Issues

- Water Pollution due to small scale industries
- Water Quality issues plaguing communities
- Lack of Sewerage in small towns, villages and slums



Polluted Water entering drinking water streams  
Courtesy-Author

## Context

### Untreated Wastewater generated from

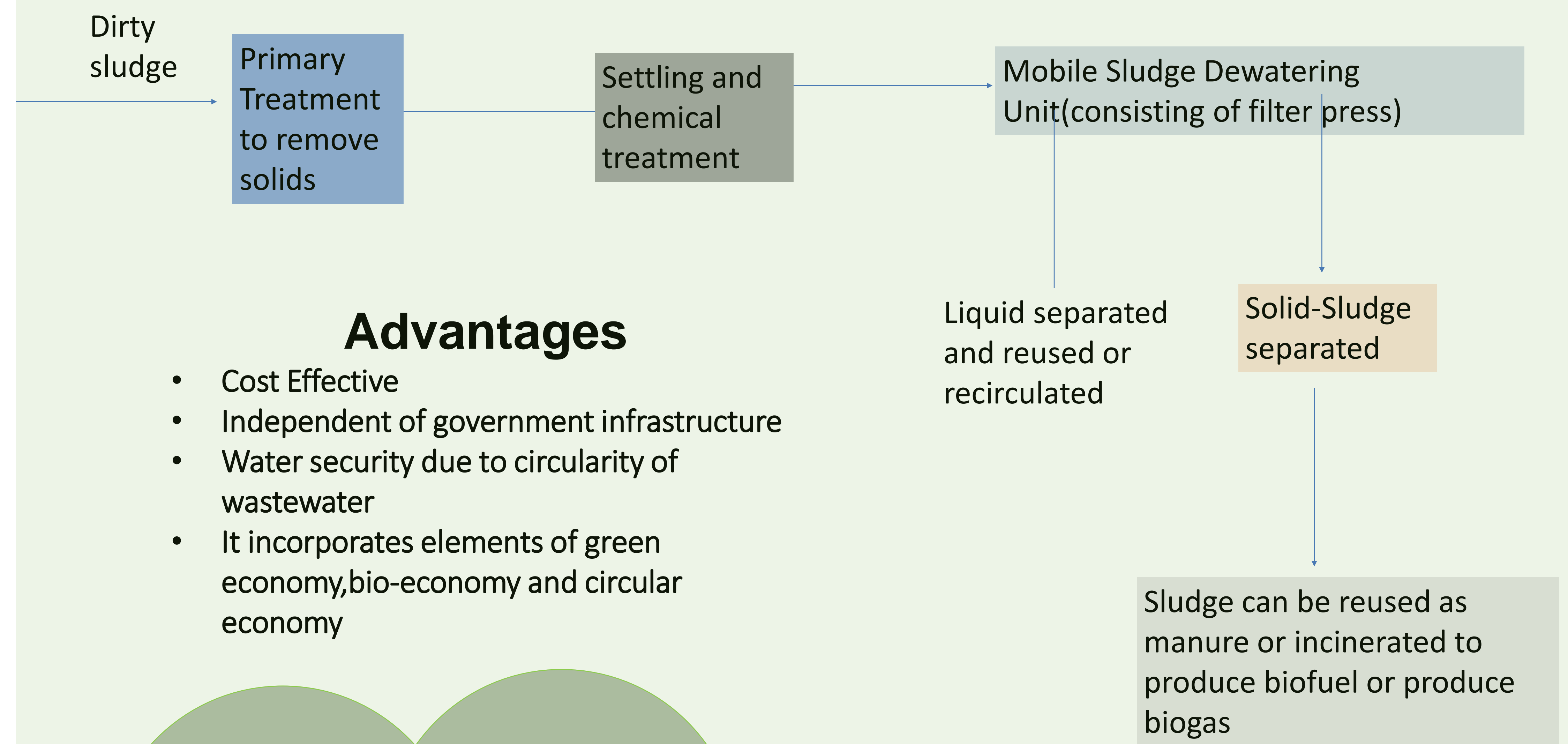
- Domestic sources
- Small Scale sources
- Agriculture and allied activities

### Risks due to untreated wastewater

- Health risk
- Destroys Water bodies
- Water Insecurity

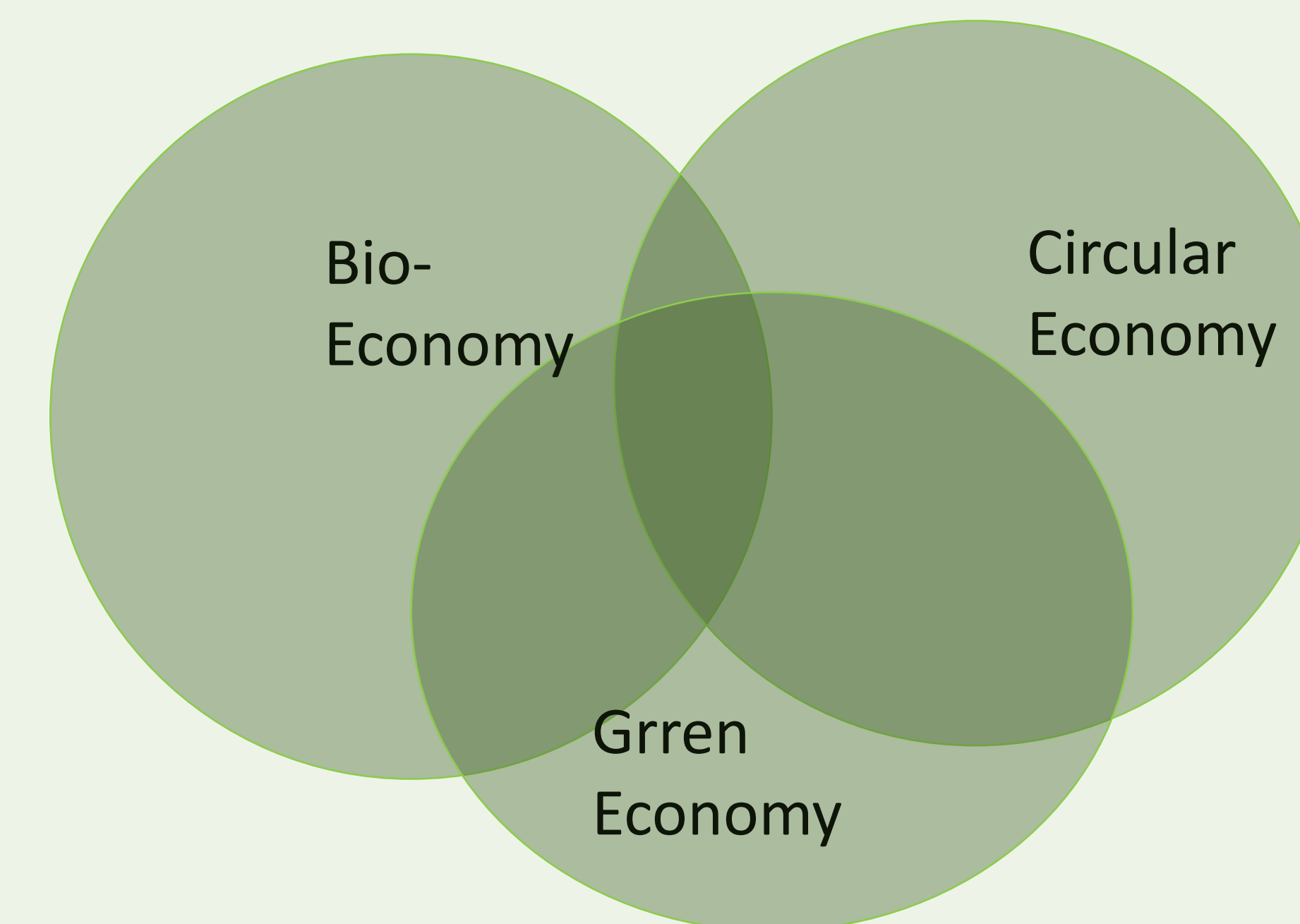
*Indigenous Low Cost Innovation which is currently not being used for treating animal waste generated sludge*

## Solution



## Advantages

- Cost Effective
- Independent of government infrastructure
- Water security due to circularity of wastewater
- It incorporates elements of green economy, bio-economy and circular economy



*Approx cost is only INR 300 for treating 6000-7000 litres*



Connect for more  
soomrit@gmail.com  
www.csd.gipe.ac.in

