



# Safe Use of Wastewater in Agriculture in Timor-Leste

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# Timor-Leste (an Overview)

- The area of Timor-Leste is approximately 14,874 km<sup>2</sup>.
- The total population are 1,066 million, apart of this picture, 80 % of its people live in rural areas and mainly farmer.

# Wastewater Production and Treatment

- Wastewater production is mostly considered as a household responsibility. Based on the 2003 survey 6% of household have toilets with septic tanks, but government program thought Ministry of Infrastructure and secretary state Environment has produced three ponds.
- Actually has three treatment pond.

# Wastewater use and/or disposal

- Wastewater in urban area and rural community, with aim to contribute to sound water recycle in agriculture area.
- Currently we adopted biomass (waste material from animal)

# Regulations and implementation of guidelines

- Preparation of a water recourse policy and legal framework draft and policy implementation strategies can be formulated.
- Sanitation Policy (includi wastewater).
- Environmental Health Estrategy.

# Challenges

- Lack of legislation safe use wastewater
- Lack of institution coordination (National & District level).
- Inadequacy of human resource in institution.
- Budget limitation
- Master Plan not yet available

## **Government's approach to wastewater management**

- The Government will introduce urban waste management guidelines based on government regulation to set standards for waste treatment in Dili and other major cities.
- The Government will setup short term , medium and long term plan for implementation of wastewater management

## Possible solutions

- Need to develop standards for wastewater discharges produced by natural gas extraction from underground coal bed.
- To allocate sufficient budget to realize the wastewater management program
- Capacity building are needed





**Thank You**

**“Obrigado”**