WASTEWATER NEEDS NOT TO BE A THREAT IN THE WEST INDIAN OCEAN REGION

Flavien Joubert from MEECC Seychelles











Wastewater management needs to be a priority



Wastewater challenges? The WIO region is not an exception

The main root causes are:

- Poor sewage systems
- Runoff from small scale mining operations
- Urban storm water
- Run off from agricultural activities
- Lack of knowledge on selection of appropriate technology
- Inadequate legal and regulatory framework
- Uncoordinated approach to coastal management
- Variation in institutional arrangements
- Low Stakeholder Involvement in wastewater management



Some illustrations from the WIO region





Contaminated water point in Mogadishu, Somalia from the Johwar floods, source: Somali news





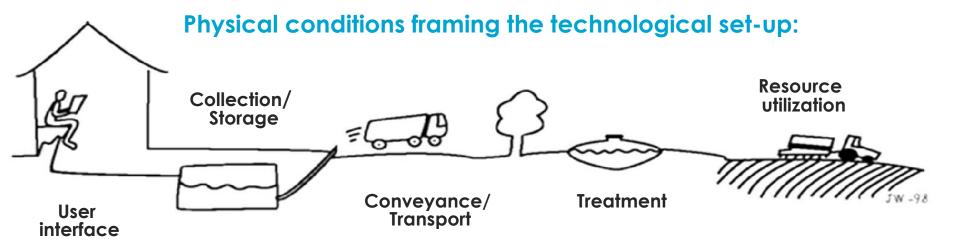
A. Adequate & tailored technology for wastewater management as a decision support tools



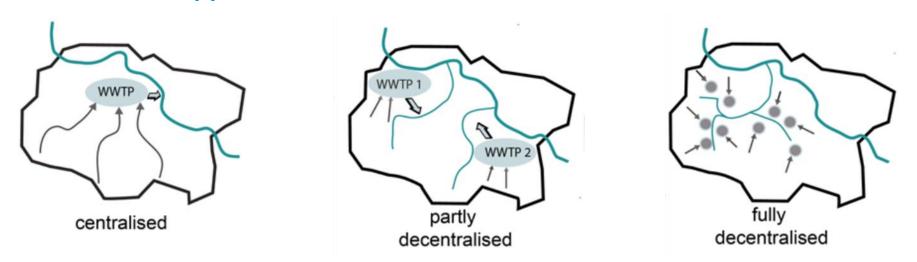
- The wastewater technology matrix is one such tool for decision-making in selecting appropriate wastewater systems in urban areas.
- To be successful and sustainable, waste water management technologies need to go hand in hand with supportive policies.







Approaches: centralized vs decentralized:

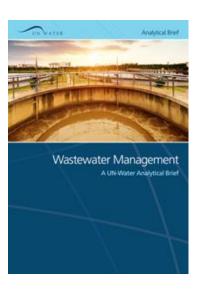


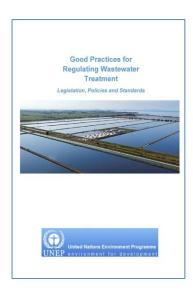
B. Supportive policies

- Contextual structures serving as guides
- Additional guidelines that enable better functioning
- Selected methods to help guide & determine present and future decisions

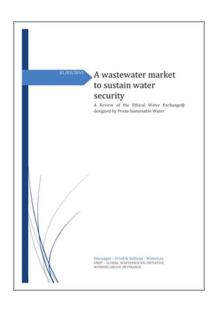








C. Innovative Financial Mechanisms

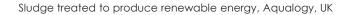


- Stick/carrot-Incentives for good doers
- Polluters Pays Principle/Users pays principles
- Public-Private-Partnership

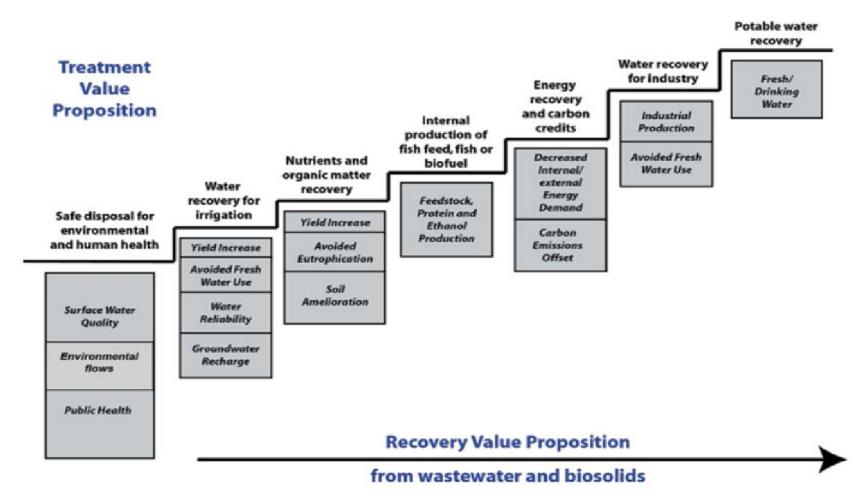
Could wastewater be another commodity such as

carbon footprint?

Mobilizing the necessary financial resources requires recognition of the need for reliance on new ways of financing urban sanitation, sewerage and wastewater management.



 Wastewater has an economic value in all its competing uses and should be recognized as an economic good



Conclusions

Waste water management is typically one of the responsibilities of all contracting parties of the Nairobi Convention as it aims to protect the environment for the good of the general public, but more importantly it is the responsibility of each of us!





Conclusions

Contracting countries may consider:

- Updating data on wastewater management strategies
- Adopting pertinent and flexible policy and institutional frameworks for close interaction between various players
- Using a combination of the available mechanisms-legal, regulatory and financial regimes for a sustainable wastewater management and reuse

 Creation of platforms through which appropriate blending of knowledge systems and requirements can occur

This will require contracting parties to take a decision to better manage wastewater within the WIO region.



Thank you for your attention!

