

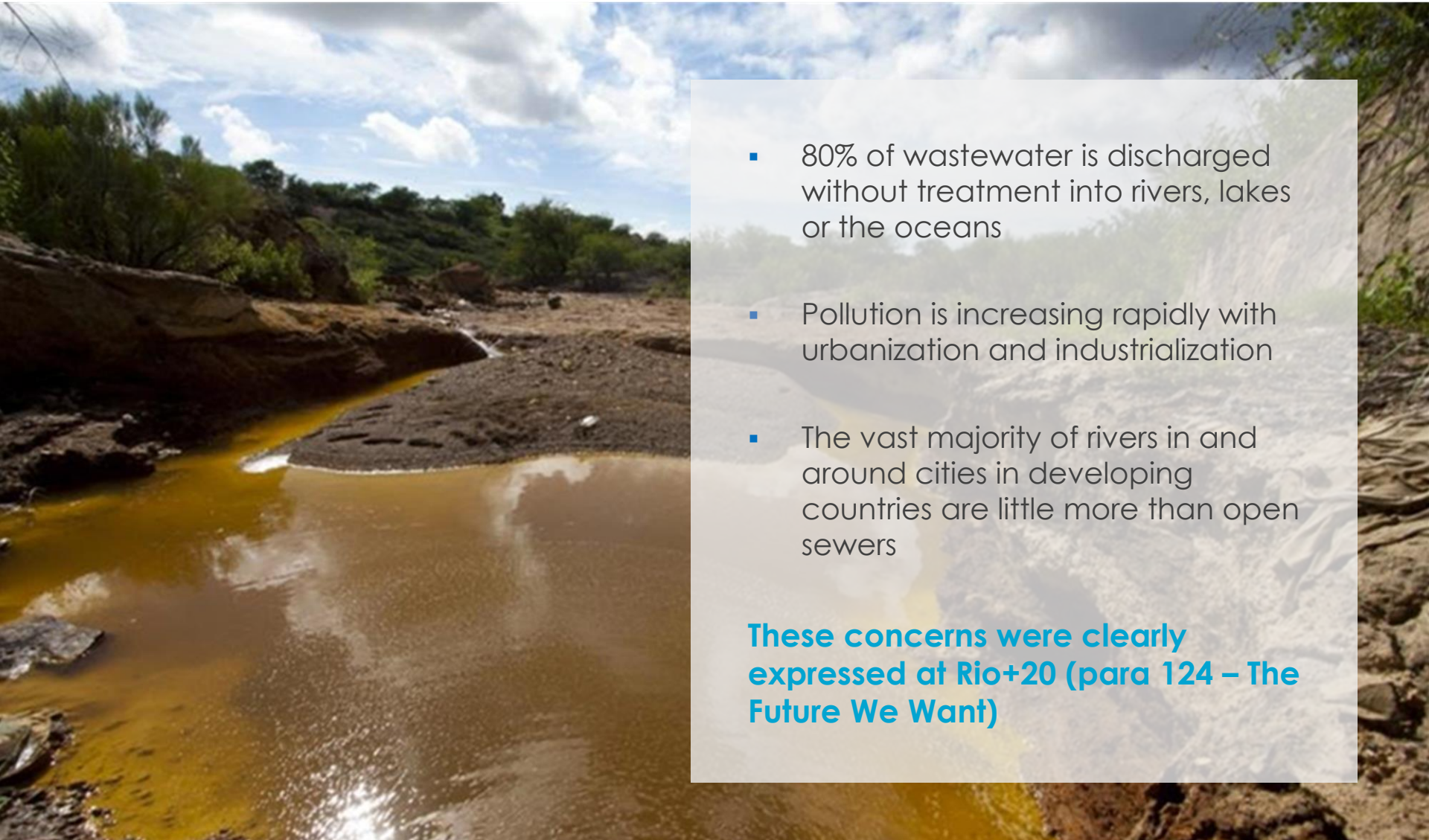
WASTEWATER NEEDS NOT TO BE A THREAT IN THE WEST INDIAN OCEAN REGION

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Wastewater management needs to be a priority



- 80% of wastewater is discharged without treatment into rivers, lakes or the oceans
- Pollution is increasing rapidly with urbanization and industrialization
- The vast majority of rivers in and around cities in developing countries are little more than open sewers

These concerns were clearly expressed at Rio+20 (para 124 – The Future We Want)

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



Child drinking unsafe water in Nairobi, Kenya. Photo by IVY ALICIA



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



Woman fetching water during the dry season from a polluted source in Mozambique



Discharge of untreated acid mine water, West Rand, South Africa (Photo Credit: John Wesson)

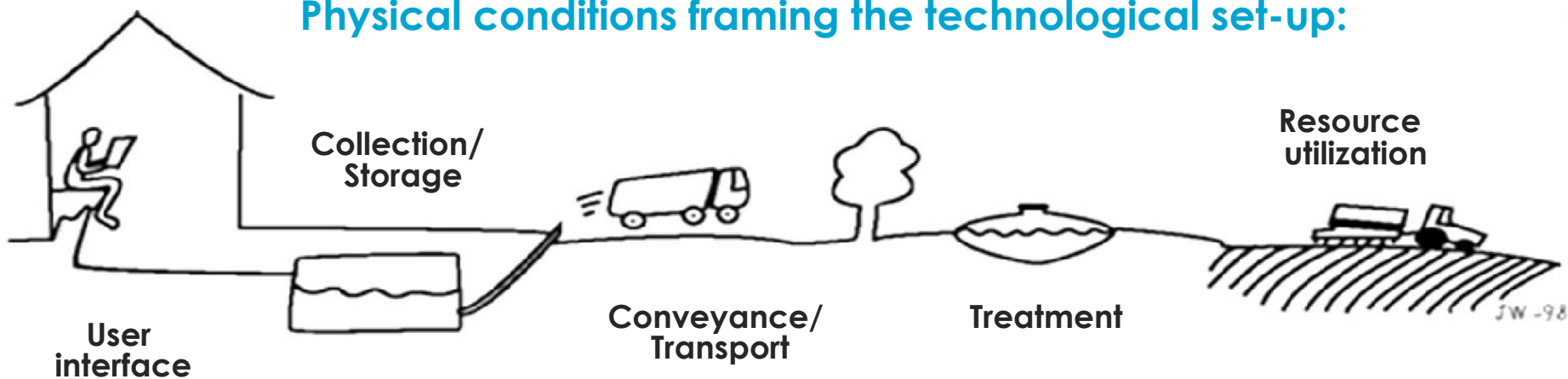
A. Adequate & tailored technology for wastewater management as a decision support tools



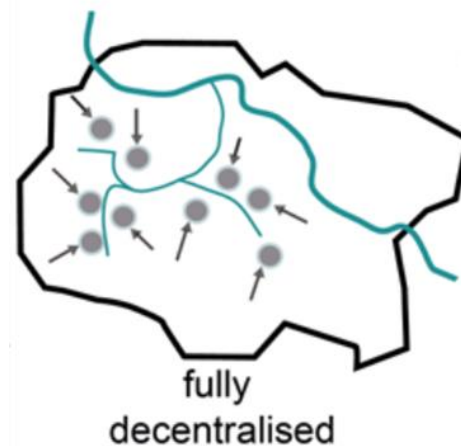
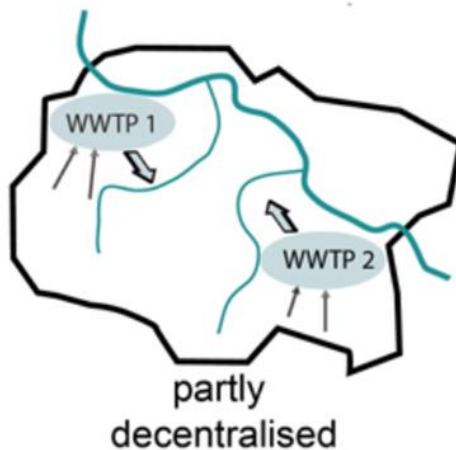
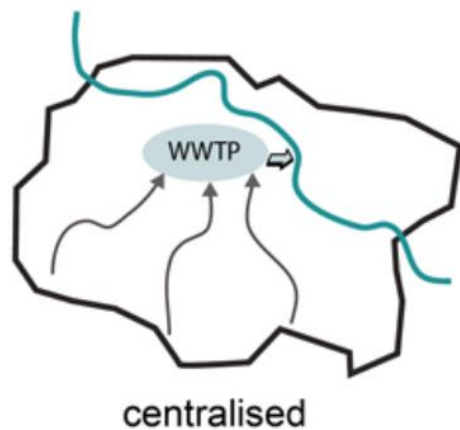
- The [wastewater technology matrix](#) is one such tool for decision-making in selecting appropriate wastewater systems in urban areas.
- To be successful and sustainable, waste water management technologies need to go hand in hand with [supportive policies](#).



Physical conditions framing the technological set-up:

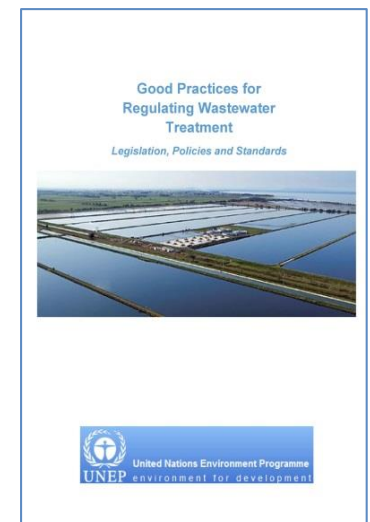
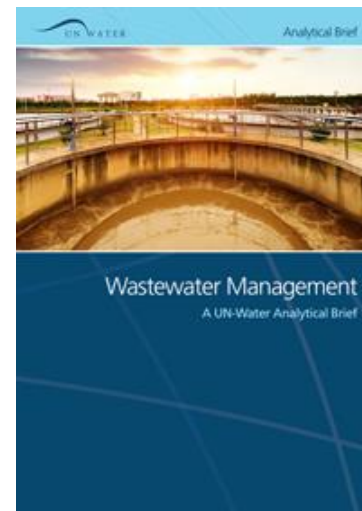
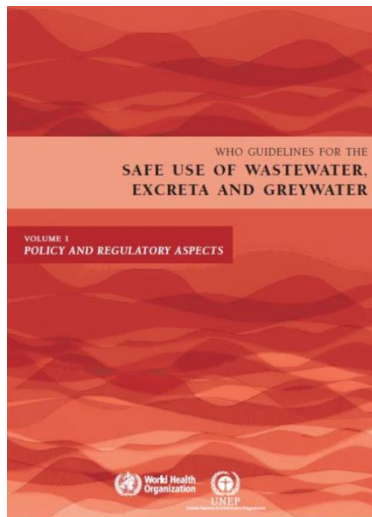


Approaches: centralized vs decentralized:

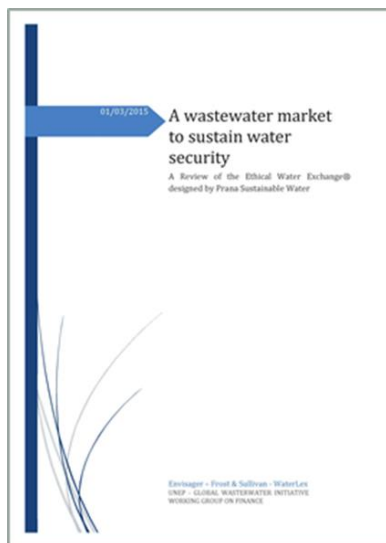


B. Supportive policies

- 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?



预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_11317

