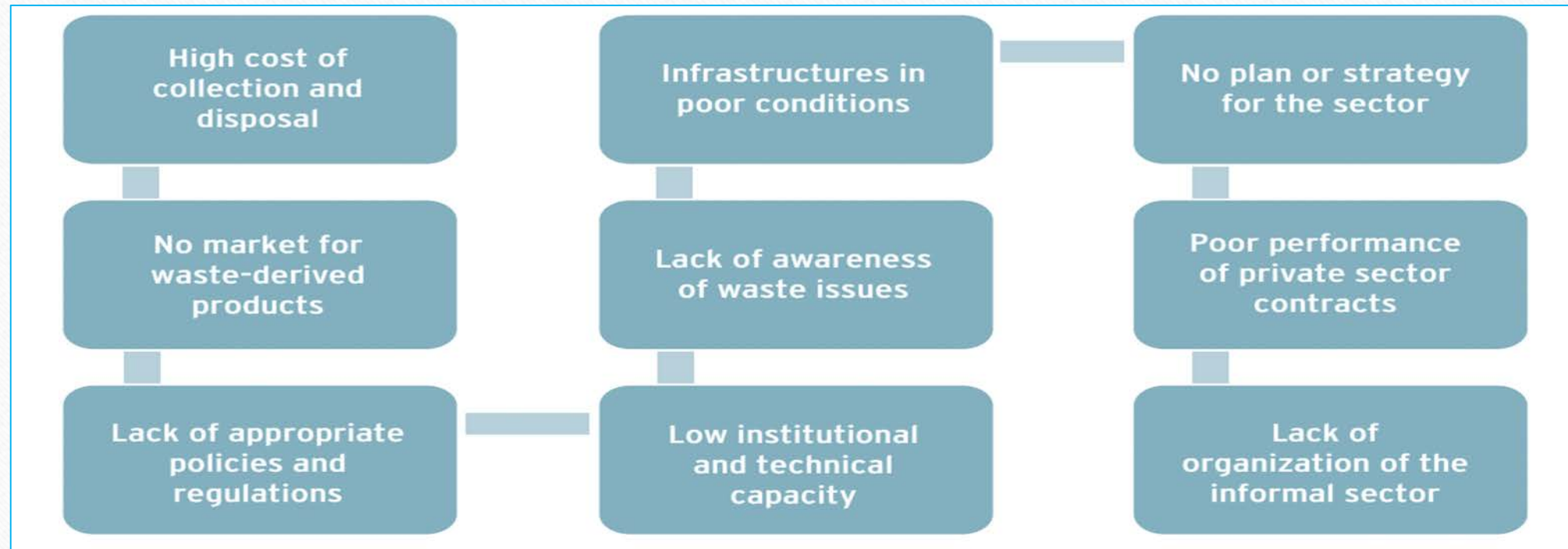


# **RAPID STUDY ON KABWE MUNICIPAL SOLID WASTE SYSTEM FINDINGS**

# STUDY CONTEXT AND FRAMEWORK

- ❖ Mining and MSW waste management challenges in Kabwe
- ❖ Socioeconomic and environmental negative impacts
- ❖ World Bank support: IDA MERIP Project (Sanitary landfill development)
- ❖ World Bank/GPOBA Rapid Study
  - Review of legal/regulatory framework
  - Technical Baseline Study (Service design/performance)
  - Can RBF play a role in Kabwe's MSWM improvement?

# Common Challenges for MSW in Emerging Economies



KABWE MSW

# REGULATORY & INSTITUTIONAL CHALLENGES

- ❖ Absence of by-laws to enforce regulation for MSW management
- ❖ Low technical capacity (Staffing - Reporting and Monitoring)
- ❖ Lack of public awareness on MSW management regulation and related risks



KABWE MSW

## TECHNICAL ISSUES

- ❖ Absence of waste characterization
- ❖ Weak collection capacity  
(infrastructure and reporting system at KMC, CBEs & franchise companies)
- ❖ Low collection performance

KABWE MSW

## TECHNICAL ISSUES

- ❖ Low recycling levels (mainly paper, plastic waste & batteries)
- ❖ No waste segregation at source, collection points nor at dumpsite
- ❖ Lack of recycling technology (too costly)
- ❖ Lack of sanitary landfill - severe health & environmental hazards at current disposal site
- ❖ Waste-to-energy option currently inexistent



KABWE MSW

# FINANCIAL SUSTAINABILITY CHALLENGES

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- ❖ Low ability and willingness to pay
- ❖ Inefficient cost recovery system (weak tariff structure, low user fee levels)
- ❖ Very weak mechanism for fee collection

## KABWE MSW

# CAN RBF PLAY A ROLE IN KABWE'S MSW MANAGEMENT IMPROVEMENT?

- ❖ Results-based financing (RBF) aims to enhance delivery of services through the use of performance-based incentives, rewards or subsidies:
  - Output-Based Aid (OBA): subsidy payments tied to the achievement of specified service performance outputs
  - Performance-based Contracting (CBEs & FCs)
  - Conditional Cash Transfers (CCT) are provided to households that meet certain specific conditions



THANK YOU FOR YOUR ATTENTION !

