



Ministry for Foreign
Affairs of Finland

AGS

BUILDING BUSINESSES
AND PARTNERSHIPS

tandem
circular economy consultants

Zambia Circular Economy Opportunities snapshot

Circular Economy Market Study conducted under the Accelerated Growth for SMEs (AGS) Programme and funded by the Ministry for Foreign Affairs of Finland

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Introduction

Zambia has **available resources**, a **developing industry** and **enabling environment** for circular economy development.

Large volumes of waste which contain **significant value** are uncaptured. In order to capture this value, waste materials and products need to be **separated and recovered** into circular systems, which can contribute to **growth of the economy, job creation, climate change mitigation and green growth**.

This study identified ten opportunities which, when combined present an economic opportunity estimated at **US\$ 712 million** through capturing available raw materials for sale to existing markets, conversion into energy or manufacturing into valuable end products - in particular to substitute imports with locally produced alternatives.



Opportunities in Waste

CONSUMPTION

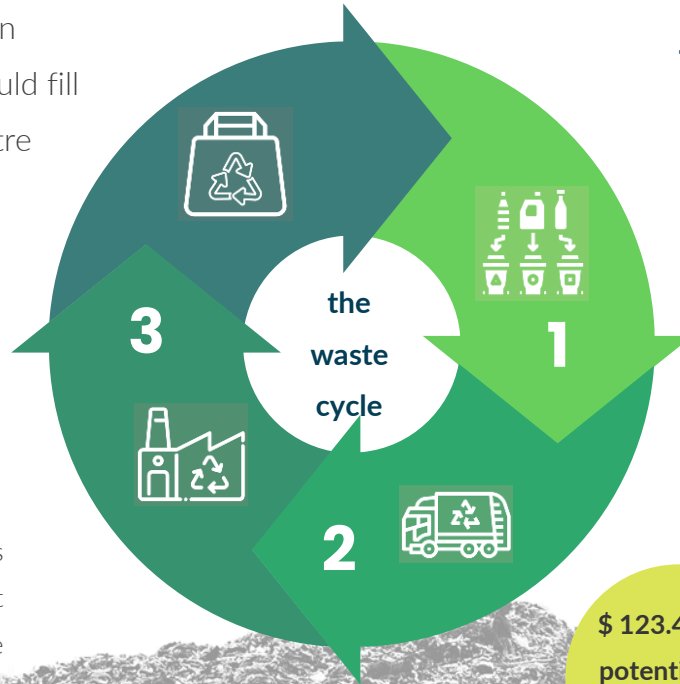
Zambia generates over 3.7 million tons³ of waste annually. This would fill **1,160 football fields** up to 1 metre high.

**potential
68MW
generated
from waste**

3. WASTE TO ENERGY

developing new facilities
financing new equipment
improving technical expertise

**\$ 47 million in
potential
biogas sales**



**\$ 69.43 million
potential
collection fees**

**\$ 129 million
of waste
available for
trading**

1. SEPARATION TRADING OF WASTE

wet & dry separation
transfer stations
new equipment for pre-processing
Access to existing markets (local and international)

2. MANUFACTURING AND RECYCLING

PET bottle-bottle recycling
textile pre-processing for export
glass recycling and bottle production
bio-fertiliser production

**\$ 123.4 million
potential bio-
fertiliser revenue**

**\$ 14.3 million
potential revenue
from glass
bottles**