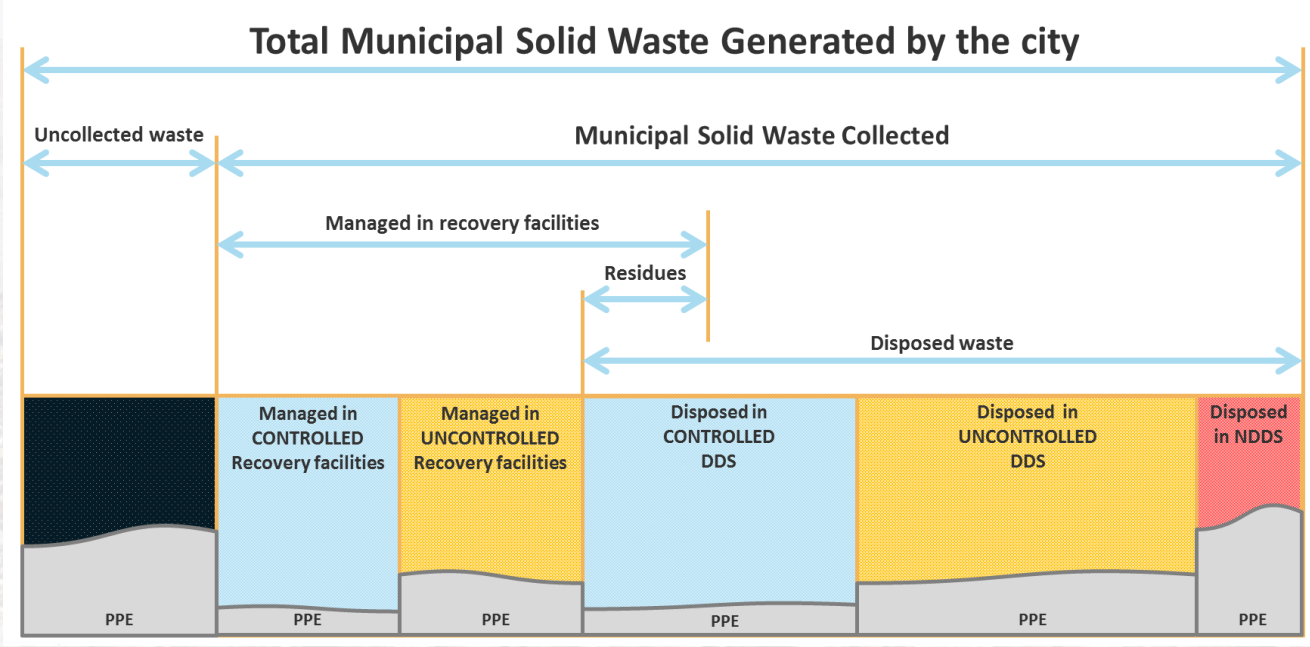
Proportion of Municipal Solid Waste Collected and Managed in Controlled Facility



Total Municipal Solid Waste Generated by the City:

The sum of collected municipal solid waste and uncollected municipal solid waste.

Municipal Solid Waste Collected:

MSW that is moved from the point of generation such as specific addresses or designated collection points to the point of recovery or disposal. The remaining share of MSW generated is considered "uncollected".

Municipal Solid Waste Managed in Controlled Facilities:

MSW received by facilities with BASIC control level according to the ladder of control level, which waste is treated or disposed with engineering and/or management control in place to limit health and safety risks and environmental impacts.

Other things to considerate:

Standardization of waste composition survey

Data Sources:

MSW generation: Household survey and visits to commercial other institution
MSW collected: Waste reception record of material recovery and disposal facilities
MSW managed in controlled facilities: Technical judgement on control level of material recovery and disposal facilities

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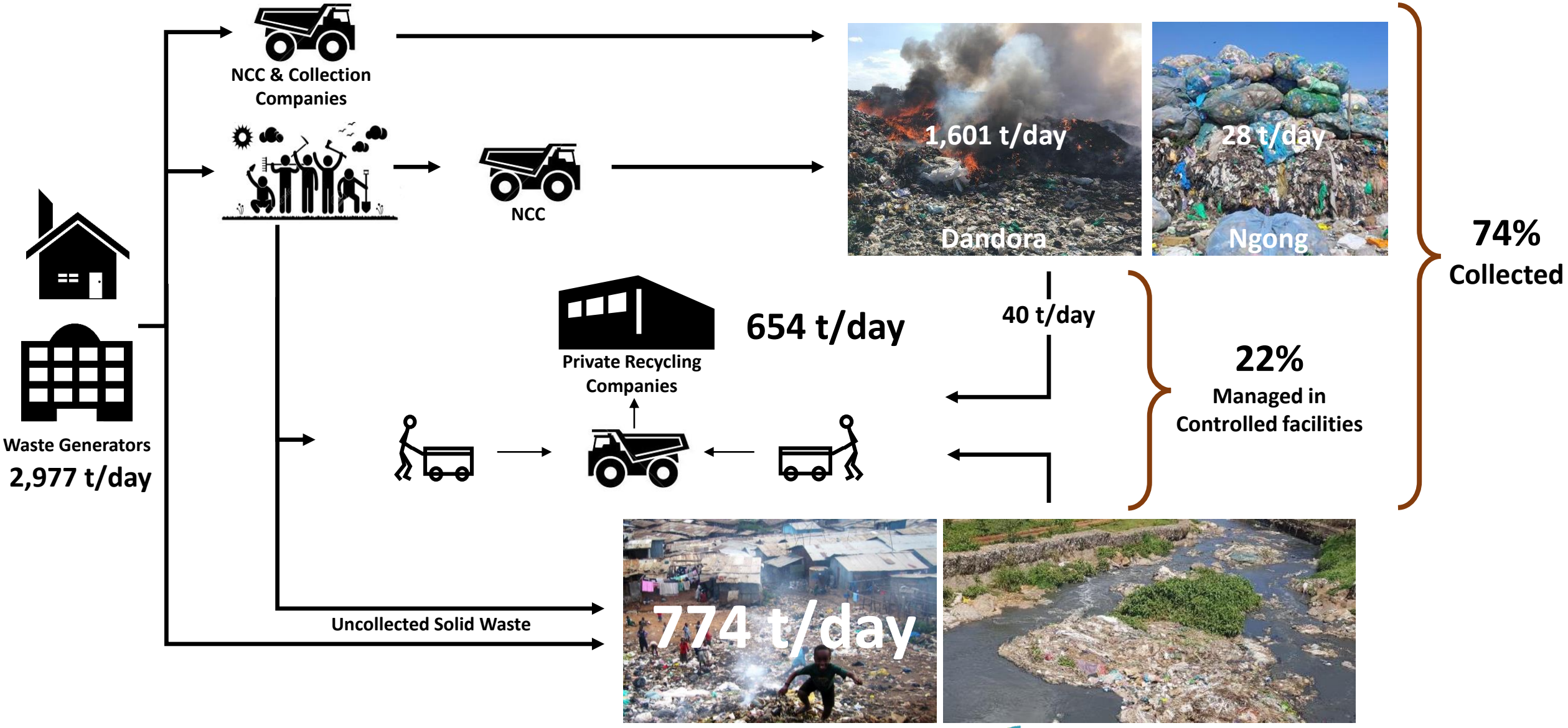
Pilot Data Collection for SDG 11.6.1 in Nairobi

- From mid April to May from preparation to finish of data collection
- Waste generation from household and other premises
- Waste amount collected
- Control level of treatment and disposal facilities

Municipal Solid Waste Flow in Nairobi – SDG 11.6.1 of Nairobi



AFRICAN CLEAN CITIES PLATFORM
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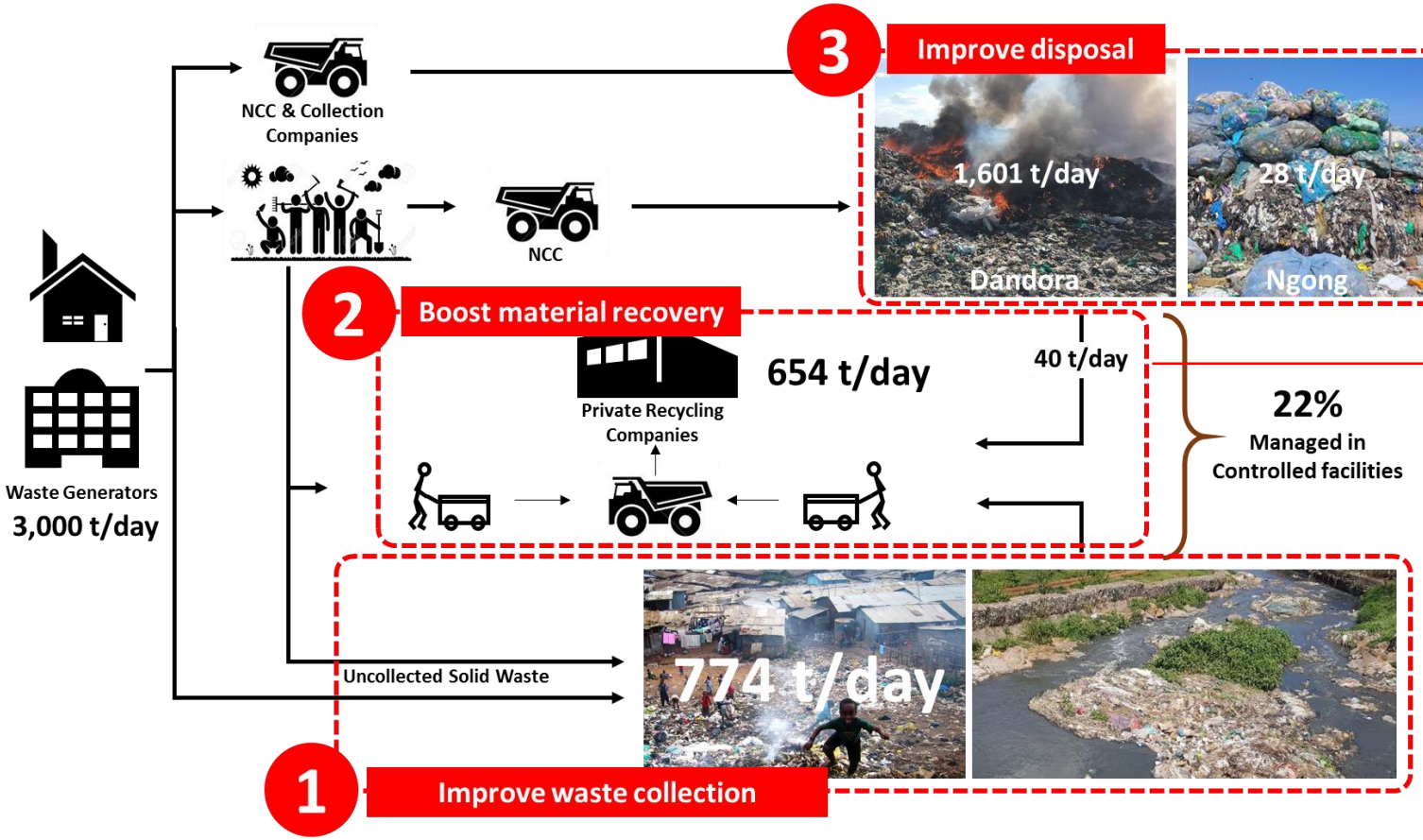
Projects were identified through data collection and stakeholder workshop



Controlled management of dumpsite and **inter-county consultation for shared use of landfill**

Anaerobic digestions in markets and expanding recycling capacity especially in composting

Installment of community owned sorting stations (small MRFs) in low income areas

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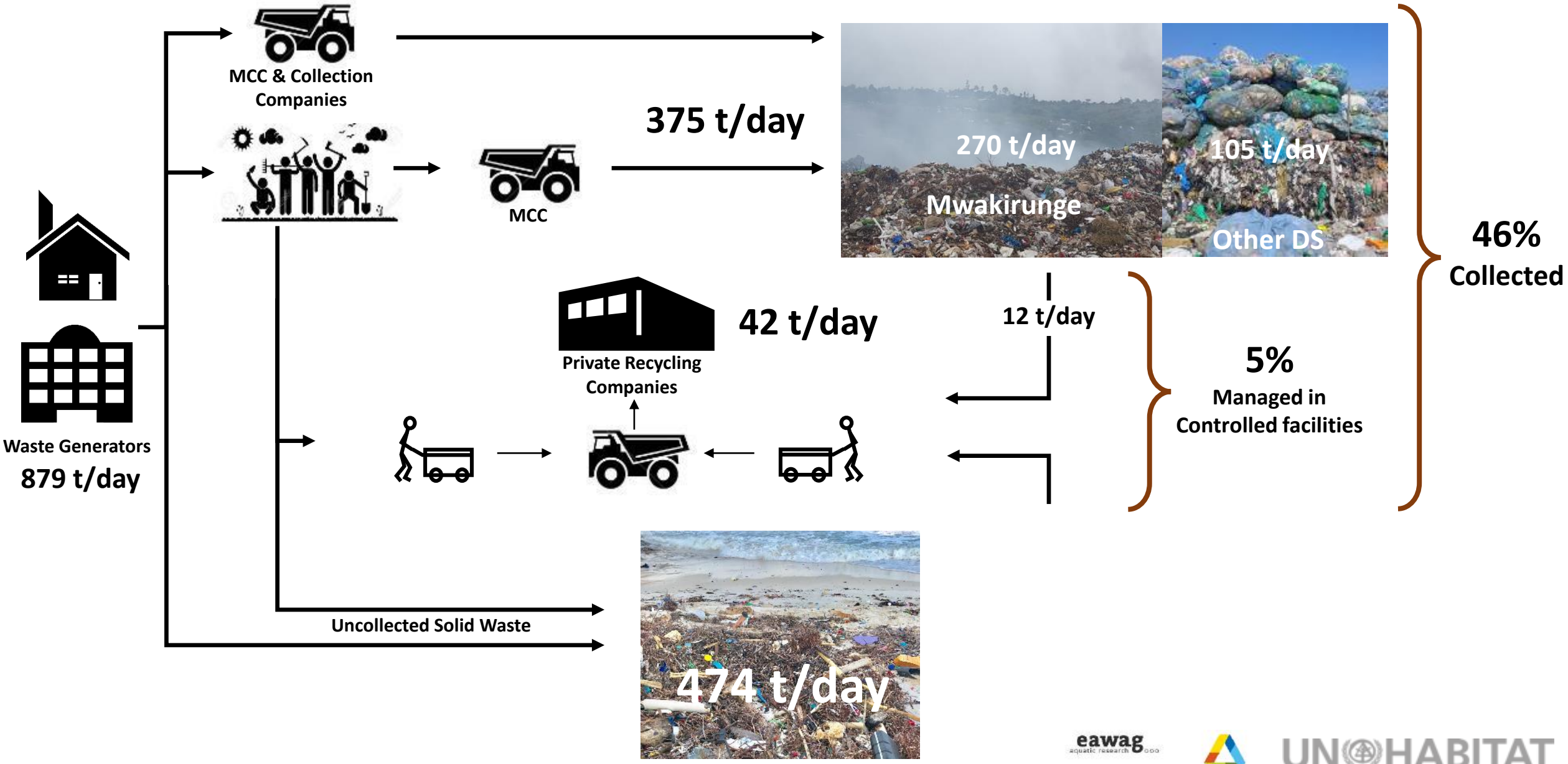
Pilot Data Collection for SDG 11.6.1 in Mombasa

- From mid June to July from preparation to finish of data collection
- Waste generation from household and other premises
- Waste amount collected
- Control level of treatment and disposal facilities

Municipal Solid Waste Flow in Mombasa – Based on Pilot Data Collection of SDG 11.6.1 in Mombasa



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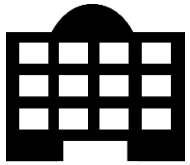
Future Waste Flow in Mombasa – intervention areas were identified through stakeholders workshop

Source Separation and Environmental Awareness Raising and Education

Collection and transport capacity expansion Licensing of CBOs

Infrastructure Investment (composting, MRFs, RDFs, etc)

Disposal operation improvement



Waste Generators

880 t/day

Wet Waste
60% (530t)

Dry Waste
40% (350t)

MCC & Collection Companies

Cleaning CBOs

Composting or anaerobic digestion

Soil Improvement and gas

Un-recoverable fraction of MSW

100t

Material Recovery Facilities

Private Recycling Companies

50t

Products and raw material

Refuse Derived Fuel Factory

300t

Fuel

Cement Companies

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