

PLASTIC WASTE

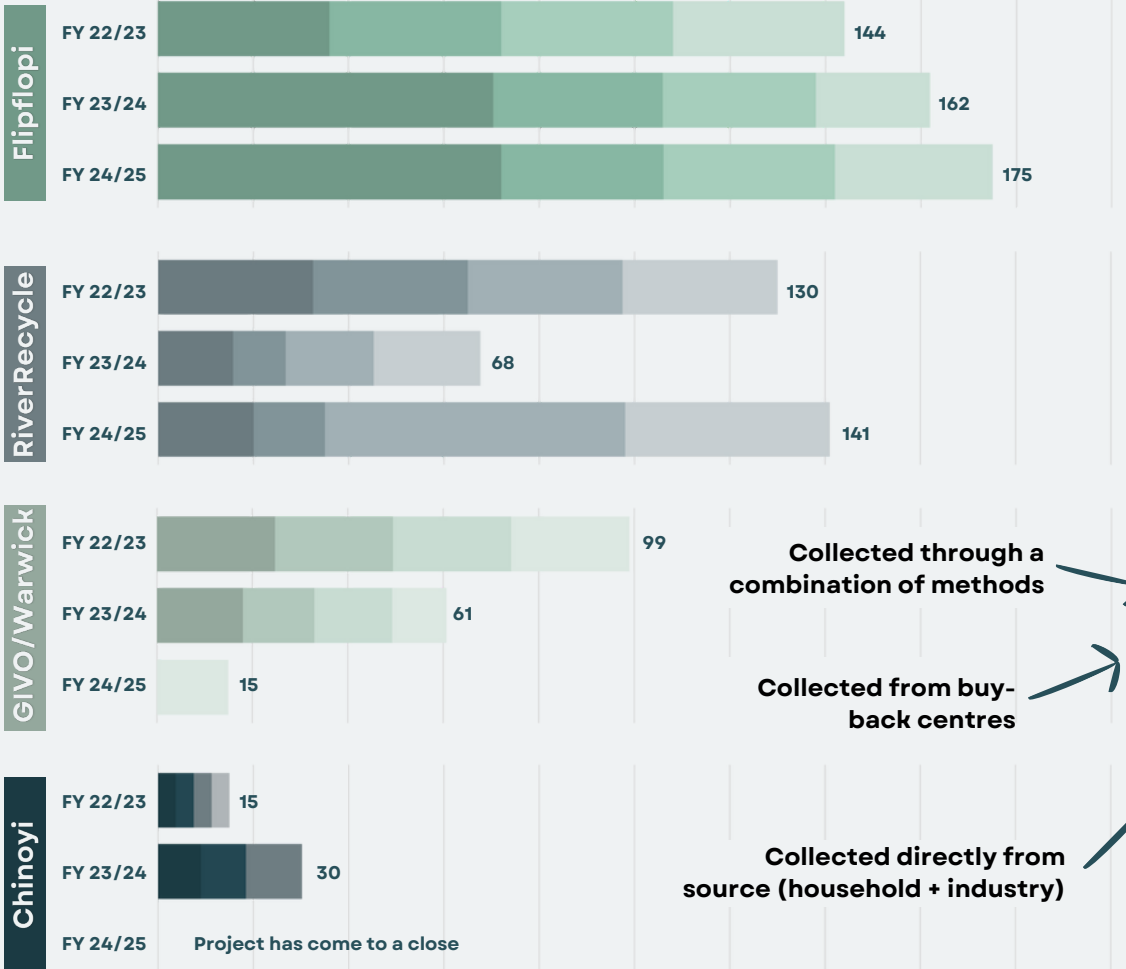
DIVERTED AND REPURPOSED, AND BIOPLASTIC ALTERNATIVES

708 tonnes
PLASTIC WASTE DIVERTED OVER TWO FINANCIAL YEARS

Since 2022, the **SMEP Plastic Grantees** have **DIVERTED 708 TONNES OF PLASTIC WASTE** from polluting terrestrial and aquatic environments, ending up in landfill, and being disposed of in conventional ways (i.e. open-air burning).

Tonnes diverted

0 20 40 60 80 100 120 140 160 180 200

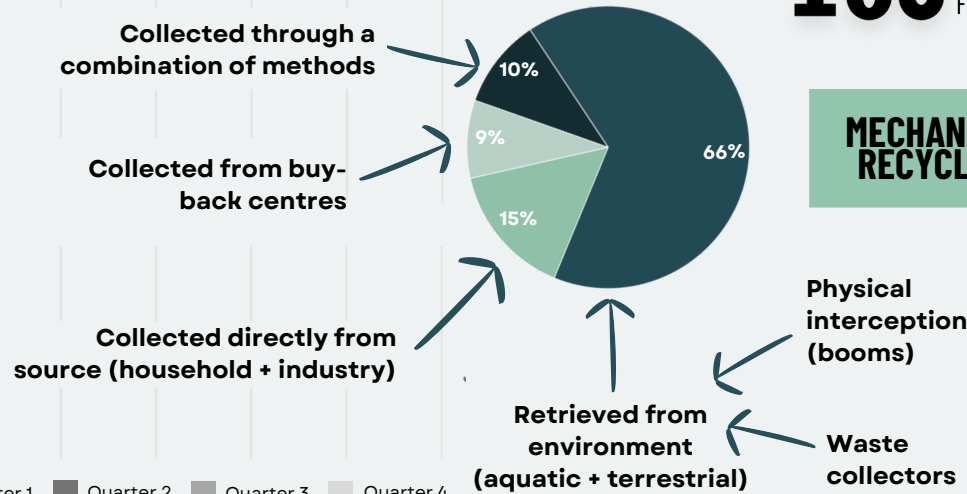


5 types
BIO-PLASTIC ALTERNATIVES PRODUCED

- Biodegradable lateral flow test prototype (PA Consulting)**
Assay performance, mechanical stability and performance tests have all been completed. Project closed.
- Biodolomer®Ocean (GAIA Biomaterials)**
Biodegradable polymer alternative used in the production of nets: fishing nets, gillnets, coral gardens, etc. Currently undergoing further piloting.
- 2 x biodegradable agricultural mulch films**
 - Innovative biodegradable polymer (CSIR and Elizade University).
 - Coconut husks (Coco360 and FRESHPPACT).
- 1 x biodegradable packaging for fresh produce industry**
 - Seaweed/algae (Kelpi and FRESHPPACT).

WASTE COLLECTION

150 tonnes
PLASTIC WASTE REPURPOSED IN FY23/24 ALONE



MECHANICAL RECYCLING

- Assorted furniture [20 traditional swahili chairs]
- Water craft [1 dhow and 4 canoes]
- Polyethylene terephthalate (PET) Bales [67 tonnes]
- PET Flakes [49 tonnes]
- Lumber for construction [30 tonnes]
- Construction Material [2069 roof tiles]

Values for FY24/25 are projected and not yet achieved ■ Quarter 1 ■ Quarter 2 ■ Quarter 3 ■ Quarter 4