

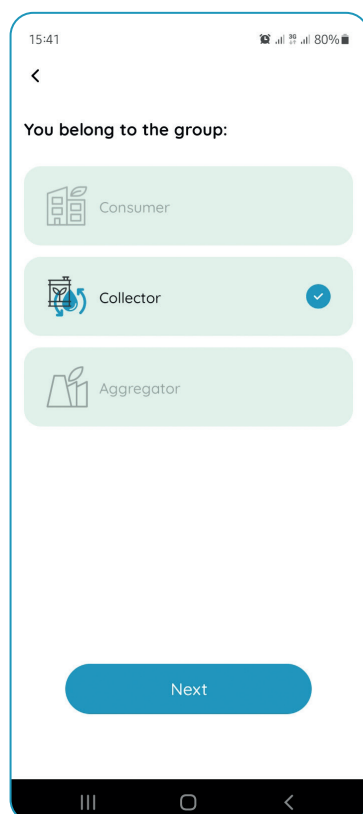
# PLASTICGO: AN APP TO FACILITATE WASTE AUDITS

## Objective

Data acquisition during waste auditing can be tedious for both auditors and stakeholders to audit. PlasticGO App was specifically designed for the stakeholders, who can enter their data autonomously; PlasticGO is practical, reliable, user friendly and limits the errors due to data processing.

## WHAT IS PLASTICGO FOR?

The pilot project aimed to identify the plastic packaging polymers wasted, sorted and collected and to assess their flow from waste generators, over collectors to aggregators. Frequent data acquisition was required to be received from various stakeholders. **PlasticGO facilitated** the acquisition: each stakeholder autonomously entered the relevant waste audit data. The application is thus **practical, reliable, user friendly**, fast, and limits the errors due to data processing.



## WHO IS PLASTICGO FOR?

Plastic GO was specifically designed for **waste generators** or consumers, **recyclable collectors**, and **aggregators**.

Each stakeholder category enters its specific data.

## DATA TO ENTER FOR WASTE GENERATORS

**Metadata:** Name, residential address, type of household or waste generator, number of people in the household or at the waste generator

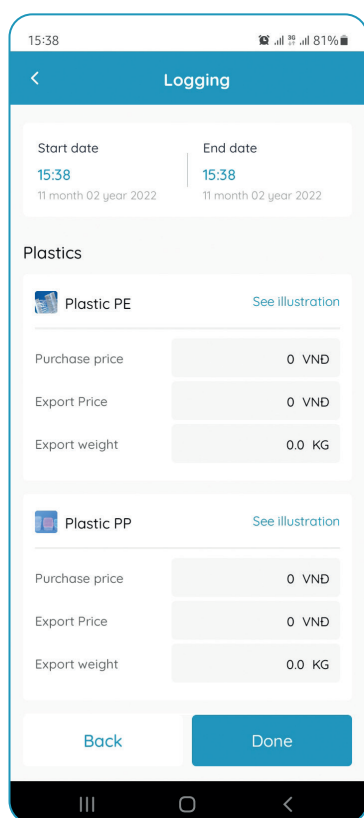
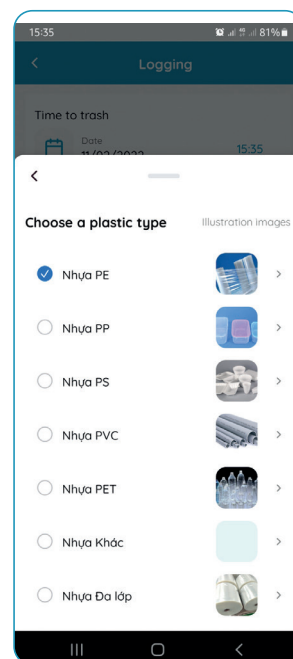
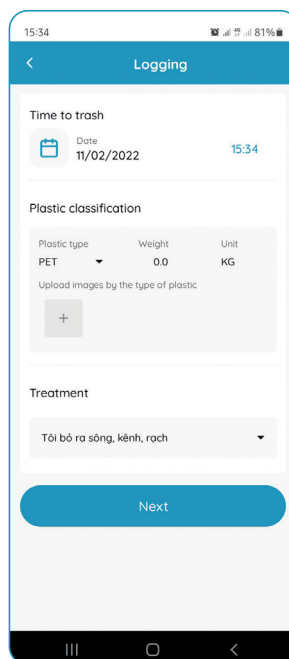
### Date

**Plastic classification:** Plastic type to select: PE, PET, PP, PS, PVC or others and corresponding weight

### Waste treatment:

- Non sorted: trashed in rivers or canals
- trashed at the street
- trashed on land
- burnt
- put in remaining waste

Sorted: Sold to recyclable collectors



## DATA TO ENTER FOR RECYCLABLE COLLECTORS

**Metadata:** Name, residential address, hometown address, vehicle used, type of waste targeted

**Date and working hours :** Date and start & end time

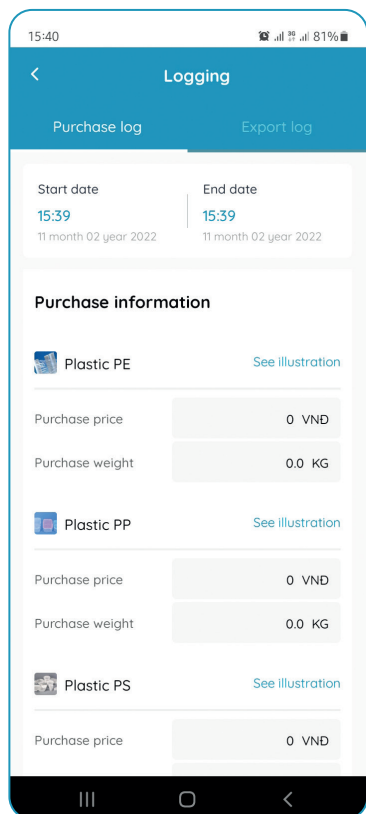
### Plastic classification

Plastic type

Purchased price in VND per kg (purchased from waste generators or waste collectors)

Export price in VND per kg (to sold aggregators)

Export weight (to sold at aggregators)



## DATA TO ENTER FOR AGGREGATORS

**Metadata:** Name, hometown address, residential address, facility address, establishment year, vehicle directory, buying contact, export contact

**Date:** Date and start & end time

### Purchase Log

Date and time of purchase from recyclable collectors

Plastic purchased : for each type of plastic PE, PET, PP, PS, PVC or others

Purchase price in VND per kg (from recyclable collectors)

Purchased plastic weight

### Export Log

Date and time of export (to recyclers)

Plastic exported : for each type of plastic PE, PET, PP, PS, PVC or others

Export price in VND per kg (sold to recyclers)

Export weight (sold to recyclers)

## TECHNICAL ASSETS

- PlasticGO can be **downloaded** on Google-Play and AppleStore
- **Free of charge** for users
- Data are used for the purpose of the pilot project only. They are not shared or sold and their confidentiality is respected
- Data are **exported** into .txt or .xls format

PlasticGO was designed by TCOM JSC in partnership with IRD and HAU.  
PlasticGO can be upgraded or adapted by TCOM JSC to target new stakeholders or retrieve new data.



The pilot project Enhancing plastic packaging collection, sorting and recycling in Ho Chi Minh City was implemented by IRD Institut de Recherche pour le Développement and HAU Hanoi Architectural University under the 'Rethinking Plastics – Circular Economy Solutions to Marine Litter' project funded by the European Union (EU) and the German government through the German Federal Ministry for Economic Cooperation and Development (BMZ) and implemented by Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH and Expertise France.

The contents of this publication are the sole responsibility of IRD and HAU and do not necessarily reflect the views of the European Union, the BMZ, GIZ or Expertise France.

