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 UNIVERSITE CAD ARAJ

 TOUMALI  
 PREVENTION OF MARINE LITTER



# Contribution of sustainable waste management systems in the tourism sector for the protection of marine ecosystems

Circul8 training for the implemenetation of EPR register in Egypt

Dr. Eng. Nour EL Houda Chaher-Univeristy of Rostock

**CHAMPION** of Plastic Pollution Prevention in the Mediterranean

Honorary title, in recognition of the voluntary action taken in combating pollution from plastics, awarded by the EU funded "Water and Environment Support (WES)" project, in partnership with the Union for the Mediterranean and the Mediterranean Action Plan of the United Nations Environment Programme

# Put On the Market

## ❖ Hotels: Food & Beverage

Product Category	Product Type	Brand Name	Unit form	Size per Unit	Average Purchased per Month (Units)	Main Packaging material Type	Weight of entire Packaging per Unit (kg)	Weight of Main Packaging Material per Unit (kg)	Weight of Main Packaging Material for the Average Monthly Purchase (kg)
Food and beverage	Water	Brand	Choose the format	-	-	Main Packaging material type	-	-	-
Food and beverage	Soft drinks	Brand	Choose the format	-	-	Main Packaging material type	-	-	-

# Put On the Market

## ❖ Hotels: Food & Beverage\_ Product Type

- Water
- Soft drinks
- Juices
- Milk
- Oil, Vinegar
- Salt, Sugar
- Meat
- Fish
- Eggs
- Vegetables, legumes
- Fruits
- Bread
- Rice
- Pasta
- Other cereals
- Cheese
- Yogurt
- Other dairy
- Other foodstuffs

# Put On the Market

## ❖ Hotels: Personal Care & Hygiene

Product Category	Product Type	Brand Name	Unit form	Size per Unit	Average Purchased per Month (Units)	Packaging material Type	Weight of entire Packaging per Unit (kg)	Weight of Main Packaging Material per Unit (kg)	Weight of Main Packaging Material for the Average Monthly Purchase (kg)
Personal care & hygiene	Soap	Brand	Choose the format	-	-	Main Packaging material type	-	-	-
Personal care & hygiene	Shampoo	Brand	Choose the format	-	-	Main Packaging material type	-	-	-

# Put On the Market

## ❖ Hotels: Personal Care & Hygiene\_ Unit form

- Aerosol
- Bottle
- Tube
- Sachet
- Jar
- Pouch
- Box
- Film
- Cardboard
- Bar
- Pump Dispenser
- Wipes
- Travel Kit
- Other.

# Put On the Market

## ❖ Hotels: Cleaning products

Product Category	Product Type	Brand Name	Unit form	Size per Unit	Average Purchased per Month (Units)	Packaging material Type	Weight of Packaging per Unit (kg)	Weight of Packaging in Total per product type (kg)	Weight of Main Packaging Material for the Average Monthly Purchase (kg)
Cleaning	All-Purpose Cleaner	Brand	Choose the format	-	-	Main Packaging material type	-	-	-
Cleaning	Glass Cleaner	Brand	Choose the format	-	-	Main Packaging material type	-	-	-

# Put On the Market

## ❖ Main Packaging Material Type

- Aluminium
- Steel
- Cardboard
- Glass
- HDPE
- Multi-layer plastics
- LDPE
- Composite materials
- Paper
- PE
- PET
- PP
- PS
- PVC
- Other materials

# Collection

## ❖ Proposed Waste Collection Schedule

	Plastics, metals	Glass	Paper	Biowaste	Mixed
Sunday	X		X	X	X
Monday		X		X	X
Tuesday	X		X	X	X
Wednesday		X		X	X
Thursday	X		X	X	X
Friday		X		X	X
Saturday				X	X



# Collection

## ❖ TouMaLi Facility: Main Collected Material Types

- Mixed Plastics & metals
- Mixed paper
- Glass
- Organic
- Residual waste



➤ Weight of packaging in total per material type (kg) will be reported by Nahdet Misr

## ❖ TouMaLi Facility: Main Material Types

- Mixed Plastics
- Mixed paper/ cardboard
- Glass
- Metal: Aluminium
- Metal: Ferrous

➤ Weight of packaging in total per material type (kg) will be reported by Nahdet Misr

# Pilot Project: EPR Register – Circul8 for Hotels

- What types of data are required for the EPR register?
- How can data be integrated into Circul8?

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# Let's work together to make it happen!

*Dr. Eng. Nour El Houda Chaher*  
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