















Union for the Mediterranean Union pour la Méditerranée

A project labelled by the UfM



LANDBELL GROUP











Hammam Sousse, 26th and 27th November 2025

Christophe Pautrat - Chief Operating Officer - Landbell Group

Landbell Group - Role



Function/ role in the project

- Lead finance solutions topics and EPR topics
 - Capacity building
 - Supporting development and implementation of pilot projects on financing topic
 - Development of a sustainable financing system and EPR system

 Main objective: financial sustainability of technical solutions during and post pilots























Capacity Building



Several workshops have been conducted

EPR

Tunisia: 2022

• Egypt: 2022

Morocco: 2023

E-registry

Tunisia 2024

Egypt 2025

















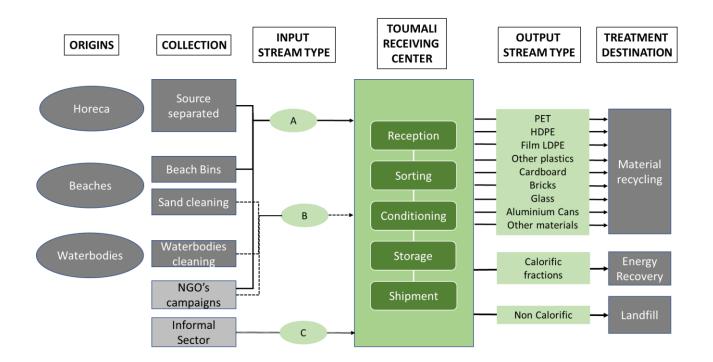






Pilot project financing models























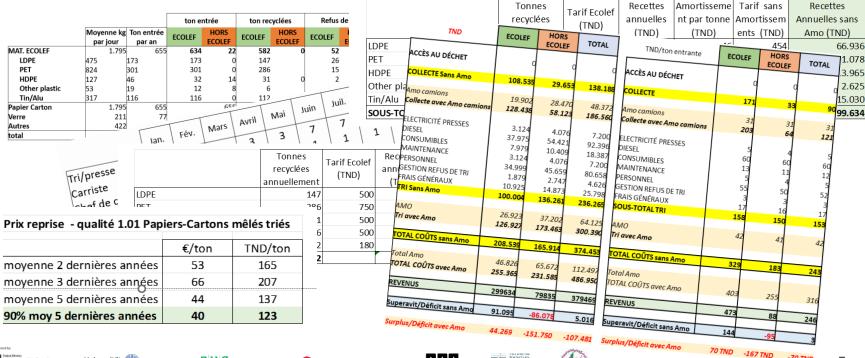




Pilot project financing models



Financing models of pilot operations has been developed





















Arab Academy

Development of EPR



Initial baseline assessment

- Identification of action possibilities
 - Dependent on the EPR status quo in each country

























Initial baseline assessment Egypt



- In Egypt, Law 202 of 2020 on Waste Management establishes the principle of EPR
- Related Executive regulations have been published
- Public sector-led EPR (WMRA)
- Enforcement is pending a Prime Minister's Decree to implement ERP on specific products and producers
- ✓ Products of interest include packaging and single-use plastics

- Update
 - Prime Ministerial Decree for single-use plastic shopping bags published

























Initial baseline assessment Morocco



- In Morocco, Law 28-00 on waste management and disposal under review
- The intention is to include, inter alia
 - ✓ Introduce waste hierarchy
 - ✓ Adopt waste segregation at the source
 - ✓ Promote waste recovery
 - ✓ Divert waste from landfill
 - ✓ Establish EPR principle

Update: EPR will likely be producer-led EPR via PROs established by producers























Initial baseline assessment Tunisia



- In **Tunisia**, Law 96-41 of 1996 on waste management and disposal does not explicitly mention an EPR-like concept
- ✓ The Decree 97-1102 of 1997 establishing conditions for packaging waste management clearly describes the principles of EPR
 - Producers of packaged products and bags must either collect and manage their waste or outsource this activity to a licensed company or join the public system "Ecolef"

- Updates
 - The draft Environment Code explicitly mentions and describes EPR should be soon be submitted to the Assembly of the Representatives of the People for adoption
 - o ANGed had been evaluating a redesign of the EPR system in Tunisia



















Conclusion on assessment



- No EPR regulatory framework could be considered complete in the region
 - Some have yet to be drafted
 - Some have to completed
 - Some have to be overhauled



- Data collection systems provide visibility for planning and monitoring
 - Producer registry for identification and reporting of products entering the market
 - Operations fulfilment reporting























Customs study - Tunisia



- Extraction, processing, and analysis of sectoral customs data
- Product categories affected:
 - Beauty products (perfumes, cosmetics)
 - Cleaning products (soaps, surfactants)
 - Plastic and/or metal packaging of other cleaning products subject to TPE
- Assessment of Imported Quantities and Values
 - o Imported products: perfumes, hair products, hygiene preparations
- Assessment of potential impact on EPR funding
- Training ANGed team on the Registry system























EPR system modelling - Egypt



- Proposing EPR operating model for single use plastics
- PPP approach, involving private sector in support of WMRA
- Training WMRA team on the Registry system























Features of a registry function



- Registration with national register to demonstrate awareness and indicate compliance
- Regular Reporting of producers (monthly, quarterly and/or annually) of **volumes put on market** e.g. mass and material to:
 - Authority/Register and/or
 - Producer Responsibility Organization (PRO°
 - → enabling PRO / authorities to calculate the producers' take-back obligation and assign shared cost
 - Regular Reporting of waste operators (directly or via PRO)

Example Germany:

6.1 What does producer reporting include?

Producers / initial distributors have to submit all the information about packaging that they provided to the system they participate in to the Zentrale Stelle Verpackungsregister (Central Agency Packaging Register - ZSVR) without delay. These are:

- registration number;
- material type and mass of the participating packaging;
- name of the system in which the packaging participates:

A producer is required to enter into a contract with a system ('participate in a system') regarding the packaging mass that the producer is planning to place onto the German market. At the same time, the exact volumes that the producer reported to the system also need to be submitted to the ZSVR, by entering the information into the LUCID Packaging Register.

















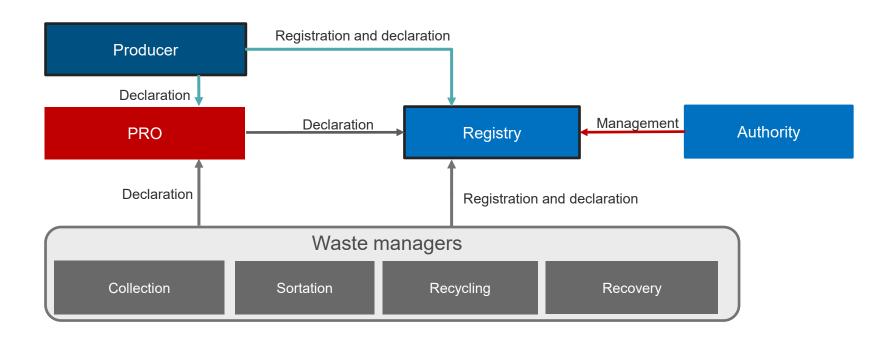






Registry - data flow



























Deployment of a registry system in TouMaLi countries Telling MALI



- Define and implement a registry system
- Customisation of our Circul8 software according to pilot needs (however software is scalable)
 - Focus on packaging materials
 - Producer registration function
 - Producer declaration function
 - Access to data according to roles and permissions ("need to know basis")
 - Publicly available data: producer names, brands
 - Restricted access data: sales volumes per producer
 - Waste operator registration
 - Waste operator reporting of collection and treatment of waste
- Training and go-live























A differentiated approach



Tunisia



- System delivered in 2024
- Focus on registration and declarations of producers
- Identification of actual producers participating in the public system ECO-Lef
- Training session of producers





- System delivered in 2025
- Focus on Pilot area
- Registration and declarations of participating hotels (acting as "producers")
- Registration and declarations of participating waste operator



















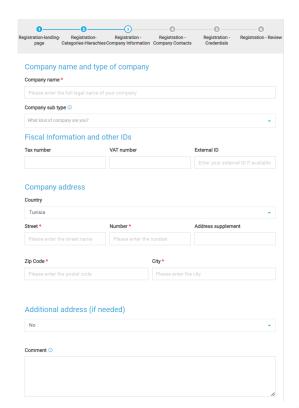




Registration stage



- Company name
- Company VAT Number
- Company corporate registration number
- Country
- Postal address
- Contact person details
- Legal representative details
- Materials and brands placed on the market
- Registration date (once completed)
- Registration number (once completed)























Registry – Product data structure



Category	Sub Category
Plastics	 PET for bottles HDPE for bottles Other rigid plastics (including PET trays and other HDPE applications) Mono-material flexible plastics Multilayer flexible plastics
Paper / cardboard	 Paper / cardboard Beverage cartons
Metals	 Ferrous metals Aluminium Other non-ferrous metals
Other	Glass(wood, ceramics)





























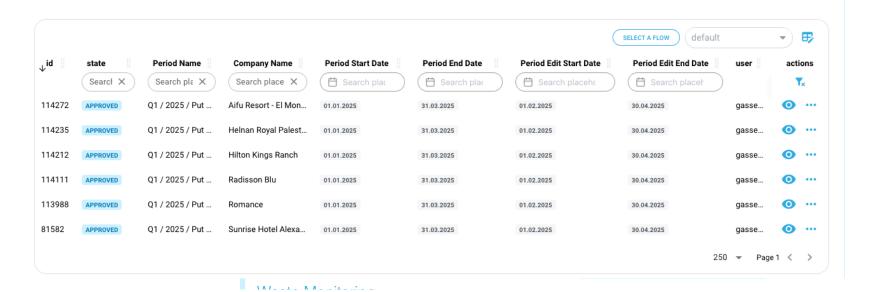


Declaration stage





Declarations (approved)













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Conclusion



Both in Egypt and in Tunisia, WMRA and ANGed have now access to a system able to

- Prepare producers to registration requirements
- Train participants
- Provide useful data and collect feedback

 Support of EPR modelling and operationalization can be further provided to all 3 countries until end of project



















