



UNITED NATIONS  
INDUSTRIAL DEVELOPMENT ORGANIZATION



**SUSTAINABLE DEVELOPMENT GOAL 9**  
INDUSTRY, INNOVATION AND INFRASTRUCTURE



## Dia Plastic Company SODIAPLAST



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Circular economy and the development of recycling industries, Vienna Nov 2018



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# Summary

- 1. Background**
- 2. Presentation of SODIAPLAST**
- 3. SODIAPLAST at the heart of the circular economy**
- 4. Main obstacles**
- 5. Collaboration with UNIDO**
- 6- Perspectives**

## 1. Background

### 1.1. Problem of plastic waste management



- Absence / insufficiency of plastic waste management infrastructure
- Insufficient regulatory and legislative framework



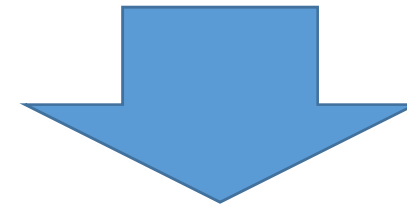
- Negative impacts of plastic waste:
- clogging ditches, flooding; issuance of POPs; contamination / disappearance of livestock and fish

## 1. Background

### 1.1. Problem of plastic waste management



➤ **Genesis : Loss of part of the family's livestock**



➤ **Objectives:**

**Participate in the responsible management of plastic waste, through their recycling in finished products**



## 2. Presentation of SODIAPLAST

### 2.1. Presence in the West African sub region

- **Subsidiary company specialized in the collection and recycling of plastic waste:**



**Guinea :12 t/d**

**Senegal: 18 t/d**



**Burkina Faso: 6 t/d  
et Sierra Léone**



## 2. Presentation of SODIAPLAST (continued)

### 2.2. Main activities



**Collecting tri-preprocessing  
-transportation**



**Fusion-molding**



**Finish-marketing**

## 2. Presentation of SODIAPLAST (continued and end)

### 2.2. Raw materials and finished products

✓ Raw materials: soft and hard plastics (PET, PP, HDPE and LDPE)

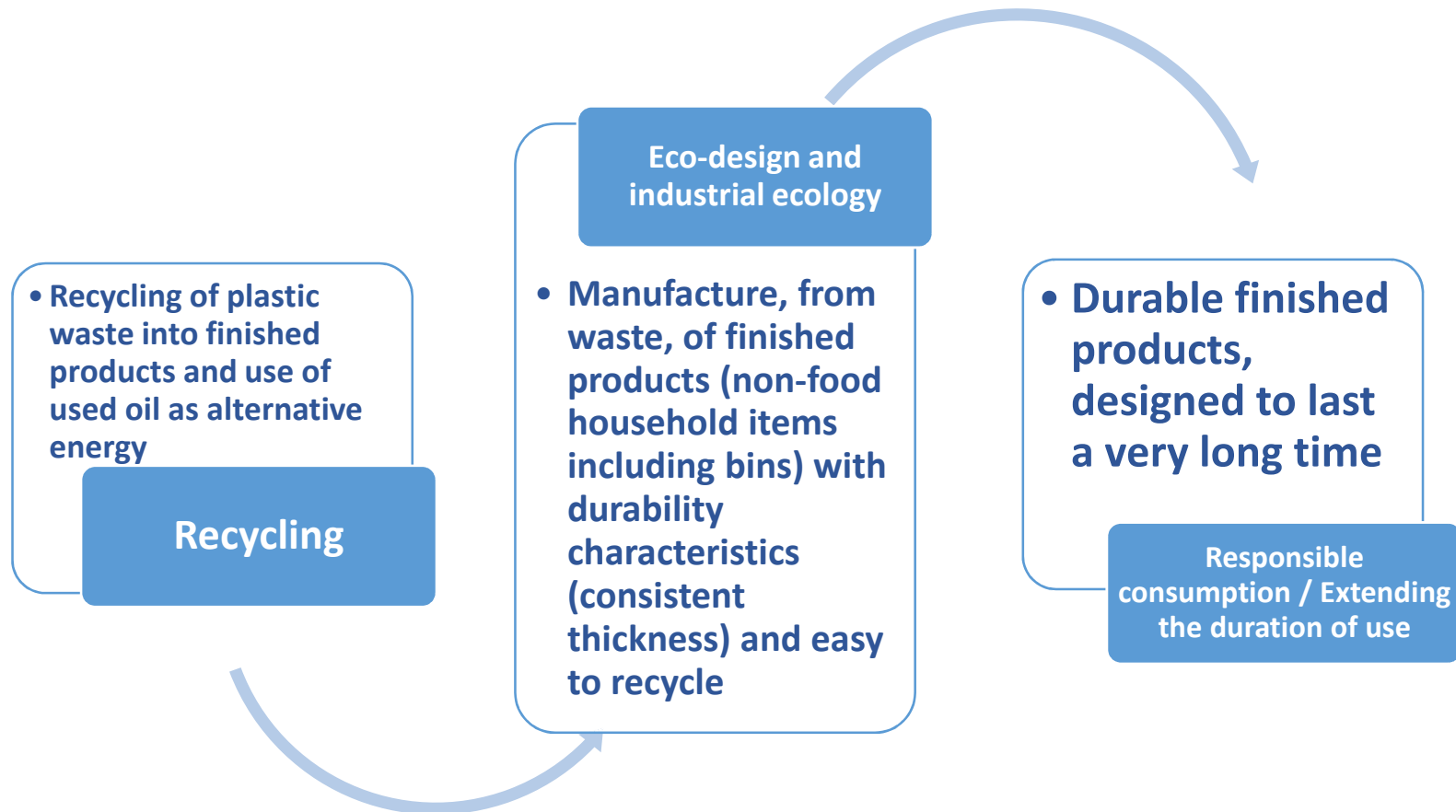


✓ Semi-finished and finished products: broya, granula and household goods



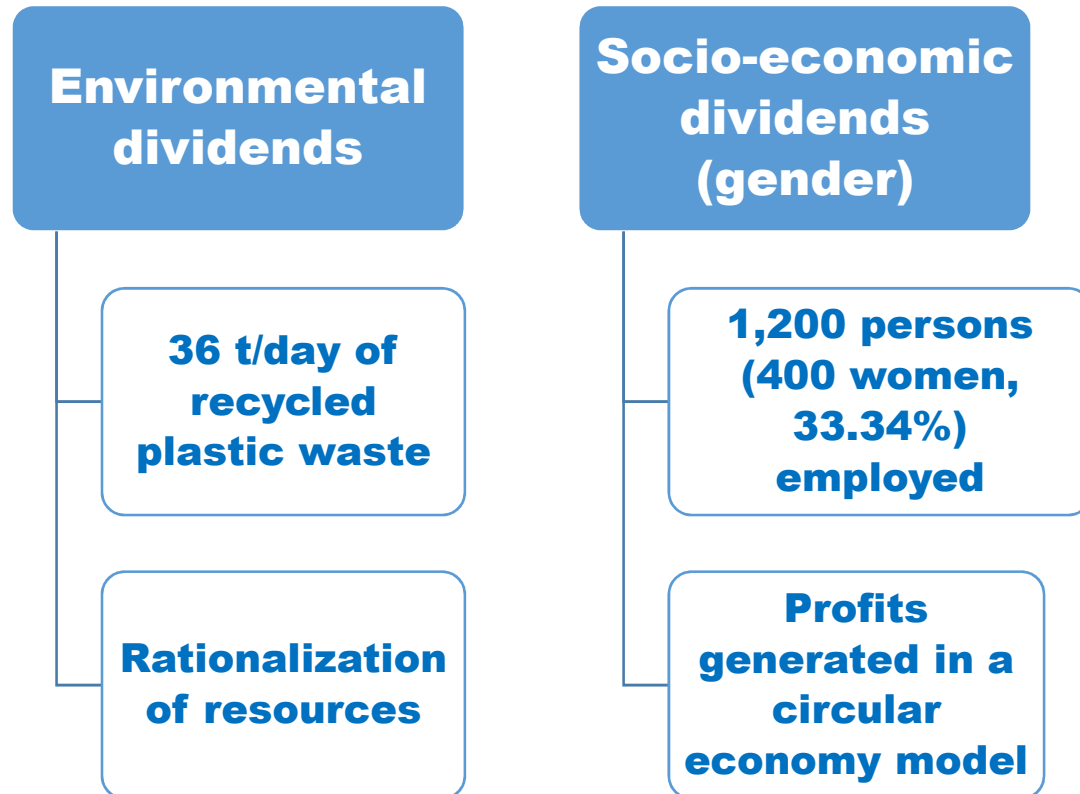


### 3. SODIAPLAST at the heart of the circular economy





### 3. SODIAPLAST at the heart of the circular economy





## 4. Main obstacles

Non-existence of the selective sorting system at the base: difficulties of access to plastics / dirty waste, high treatment costs / contaminated waste, unsuitable for recycling

No mastery of clean technical and technologies for recycling plastic waste / Irregularity of energy in general, and clean energies in particular

Absence or insufficiency of policy, institutional, legislative and regulatory framework favorable to the recycling of plastic waste

Difficult access to credit (financing) at the bank and other levels for recycling entrepreneurs

Absence of specific incentives and encouragement for recyclers (treated on the same footing as other companies):  
No exemption



## 5. Collaboration with UNIDO

- **Guinea / SAP Project ID 104064 - GFRAF11010: Eco-technological upgrade of SODIAPLAST with the introduction of BAT / BEP (smoke treatment, shredding and pre-melting for energy efficiency) to serve as a reference model in the sub region.**
- **Result: Increased Sodiaplast production (from 8 to 12 T / D), with sustained energy efficiency (shredding and shredding) and improved worker protection (wearing of PPE and compliance with safety instructions)**
- **Senegal / SAP ID 100114: Establishment and operation of a plastic waste pre-treatment center in Ziguinchor as part of the public-private partnership**



## 6- Perspectives

- ❑ Continue to expand activities in other sub-regions of Africa;
- ❑ Extend activities to recycling of tires and plastic components of WEEE;
  - ❑ Operate, partly or totally, with clean energies
- ❑ Pursue and finalize eco-technological upgrade programs with UNIDO





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# Thank you for your kind attention