



UNITED NATIONS  
INDUSTRIAL DEVELOPMENT ORGANIZATION



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

# UNIDO's approach on plastic waste management in Africa



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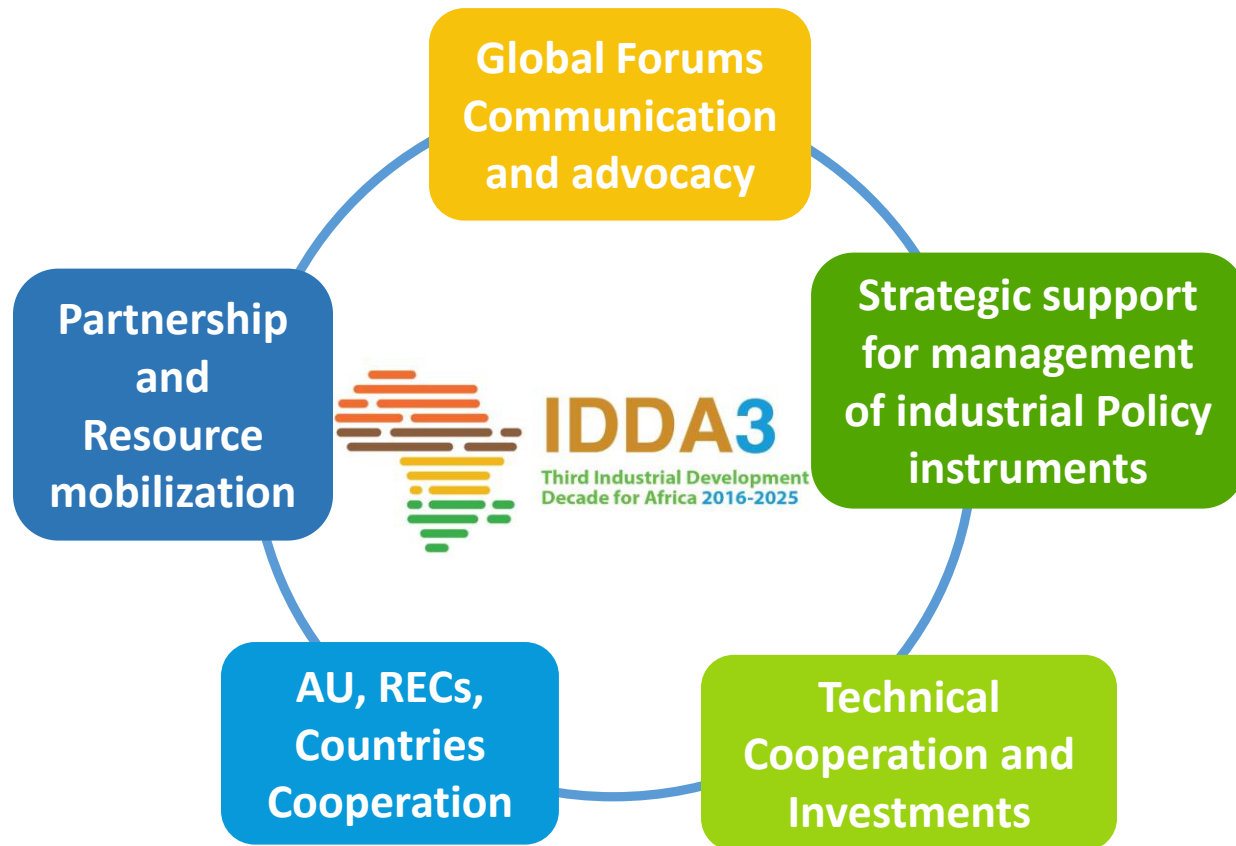
# UNIDO in brief

UNIDO is the specialized agency of the United Nations that promotes **inclusive and sustainable industrial development (ISID)** for creating shared prosperity, advancing competitiveness, while safeguarding the environment.



# IDDA 3 as a Global initiative in support of Africa's industrialization

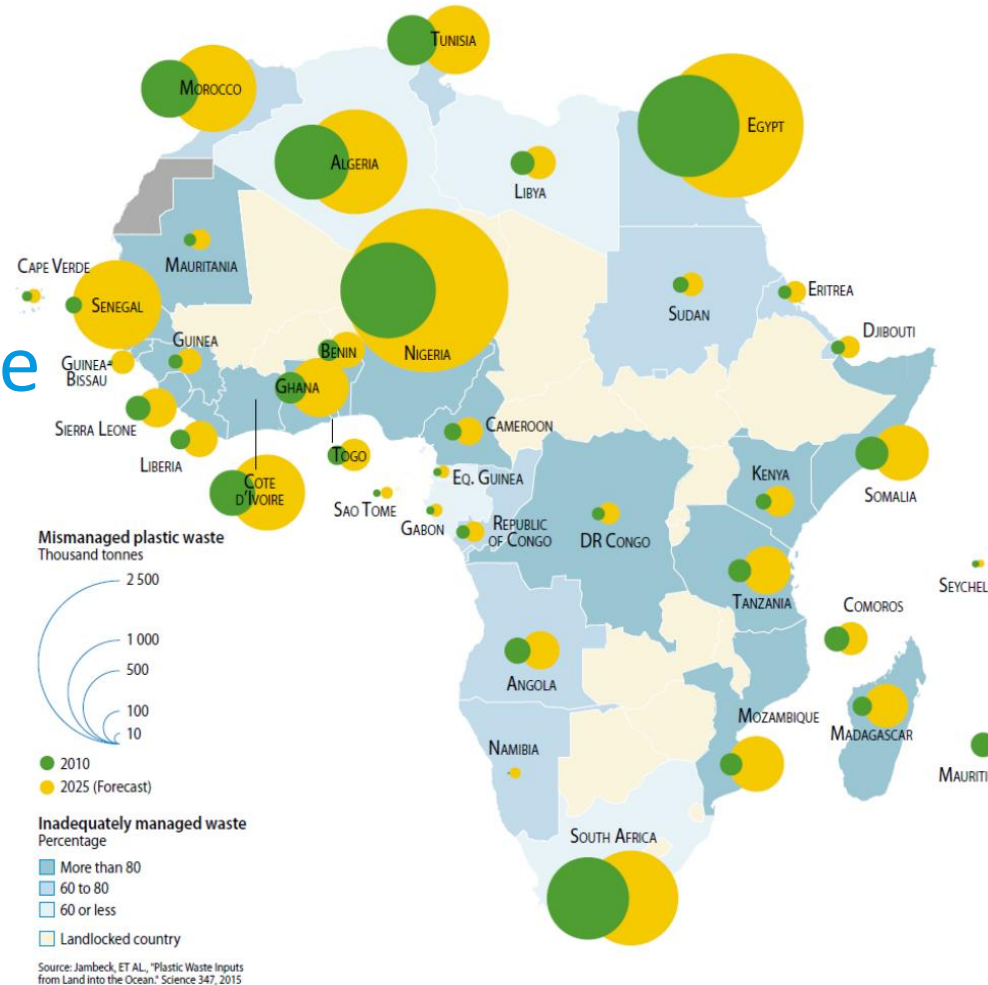
- UN General Assembly Resolution in July 2016.
- UNIDO as a lead implementer, with core partners, AU, AUDA-NEPAD and UNECA.
- 8 African Heads of States IDDA III Champions.
- 30 implementing partners.
- Joint Roadmap for implementation.
- Portfolio of joint programmes and projects in IDDA III priority areas.



# Growing risks of mismanaged plastic waste in Africa

If no action is taken now, there will be more mismanaged plastic waste

-  = tons of mismanaged plastic waste in 2010
-  = tons of forecasted mismanaged plastic waste in 2025



# UNIDO's Basic principles

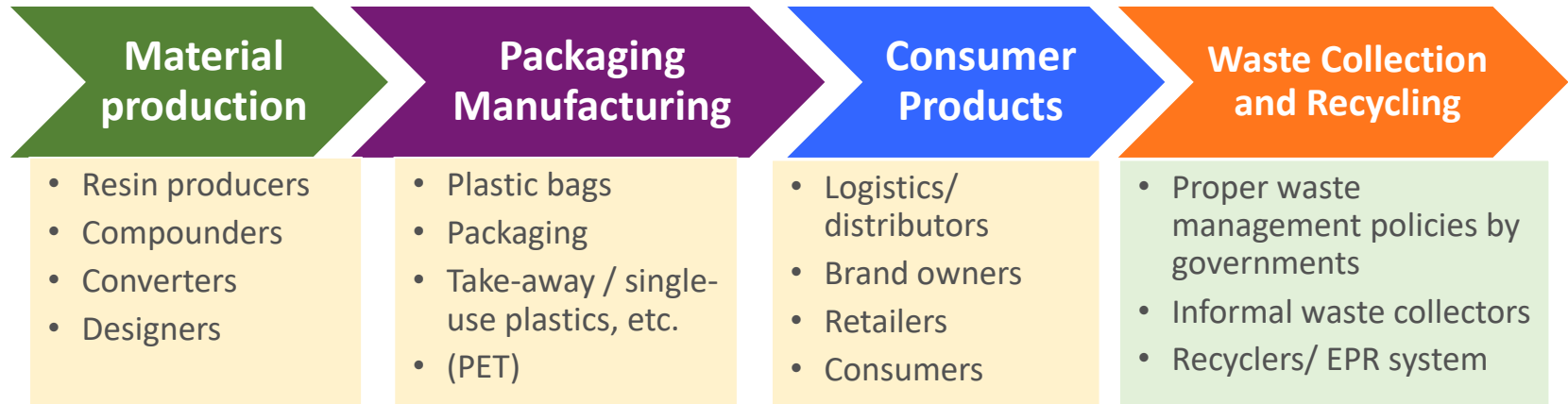
- UNIDO promotes **Circular Economy approaches for Green Industrial Development:**
  - Waste=Resource
  - Japan promotes 3Rs (reduce, reuse, recycle)
  - Product Design
- Issue of marine plastic litter is primarily caused by deficiencies in land-based waste management

From an ISID perspective, it is imperative to work with private sector in value chains



In the process, creating new business opportunities and models

# Plastic Value Chain



Even with well established collection & recycling systems, **single use plastic products** could easily leak to the environment.

**Product Design is the key**

..and enabling environment by policy/ regulations

- **No Packaging**
- **Biodegradable or alternative material use**
- **Less material use**
- **Easier to recycle plastic products (e.g. single resin)**



# UNIDO's South Africa initiative

To support industry for transitioning from conventional plastics to more environmentally sustainable alternatives

1

Development of Action Plan to support sustainable transition to alternative material

2

Strengthening plastic recycling capacity including integration of informal collectors sector

In partnership with



Plastics | SA



# 1. Development of Action Plan

Keeping in mind that

- **Not all bio-degradable plastics degrade in natural (and marine) environments**
  - Many bio-degradable plastics require **Industrial Composting Facilities**
- **Product's biodegradability is different from the one for the material and depends on environmental conditions**
  - Assessing materials, developing capacities for testing, developing standards, certification & enforcement systems for alternative materials

Through  
series of  
assessments

Define through stakeholder consultations and evidence how to strengthen and develop local alternative plastic material industry





## 2. Strengthening plastic recycling capacity

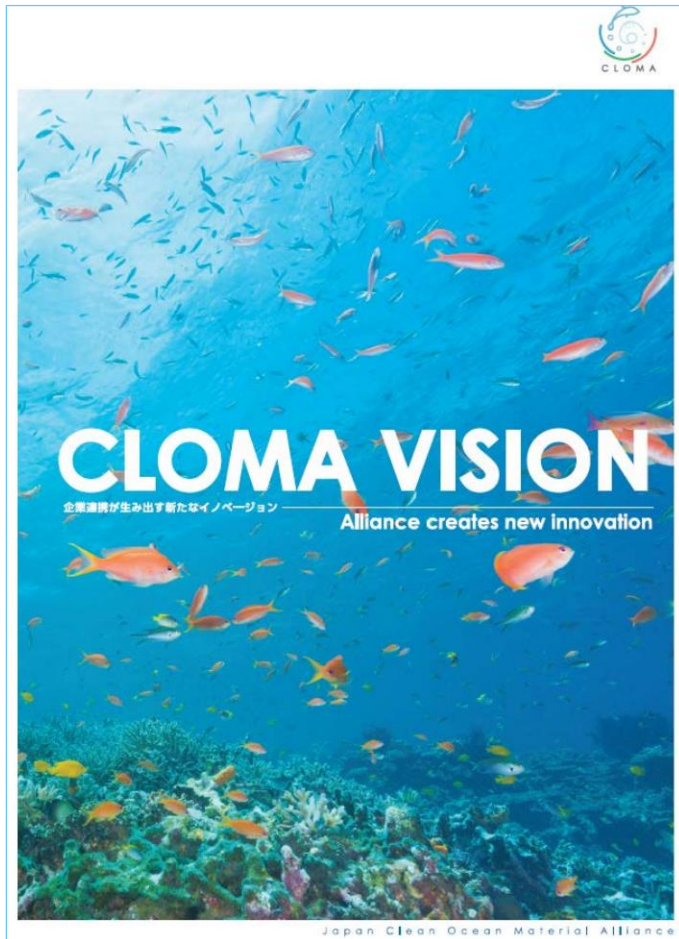
- At the same time, recycling efforts will be strengthened through:

- Implementation of the guideline of integration of informal waste collectors

- With possible technology transfer



# Promoting Partnerships



- Japan Clean Ocean Material Alliance (CLOMA)
- Japan Bioplastic Association, etc.



*National Institute of  
Advanced Industrial Science  
and Technology*  
**AIST**



# More information on UNIDO's Opendata platform



2019

Home Projects by country Procurement Publications Scorecard About

South Africa

Projects

Donors

Country Overview

Ongoing Projects (11)

- Creating Shared Prosperity (1)
- Advancing Economic Competitiveness (1)
- Safeguarding the Environment (9)

- 120487 - Industrial Energy Efficiency Imp...
- 120591 - HCFC phase-out management ...
- 130129 - GEF UNIDO Cleatech Program...
- 130281 - Energy Efficient and Low-Carbo...
- 130310 - Industrial Organic Waste-to-E...
- 140341 - Climate Change, Clean Energy
- 180352 - Preparation of a HCFC phase-o...
- 180354 - Enabling activities for HFC pha...
- 190110 - Support for transitioning from c...

# www.open.unido.org

# Project number: 190110

## Support for transitioning from conventional plastics to more environmentally sustainable alternatives

Risk level: ●

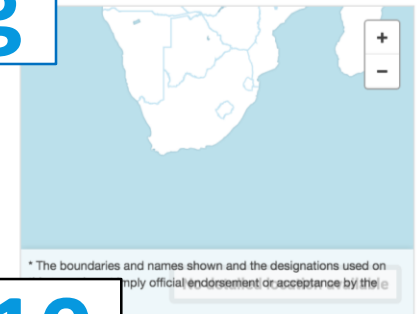
Project ID **190110**

Thematic Priority **Safeguarding the Environment**

Location **South Africa**

Project Manager **Nahomi NISHIO**

No indicators defined.



Cooperati

Gender Marker **1 (Limited expected contribution to GE)**

In order to reduce the amount of plastic leaking into the environment (including the marine environment) in South Africa, the project will support South Africa's transition to more environmentally sustainable alternatives from conventional single-use plastics. This will be achieved through the development of an Action Plan to strengthen the local industry for the manufacturing of alternatives (including, but not limi... More

Operationally Completed Projects





# Thank you.

