

Egypt's Efforts to Reduce Plastic Pollution (SUPBs)

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Introduction

- ▶ There is 23 million Ton of plastic waste are disposed annually in seas and oceans
- ▶ 80% of the marine litter come from land sources.
- ▶ 70-85% of the marine litter are plastic waste.
- ▶ Only 1% of plastic waste are recycled

14 billion plastic bag are consumed annually in Egypt

Egyptian Market size

- ▶ Egypt produces 28% of the raw material used in Plastic production annually , but the other 72% are imported.
- ▶ Egypt has consumed 1.064 million Ton from the plastic bags in 2006 but consumed 2.07 million Ton in 2014 , with increasing rate 26%.

Circular economy



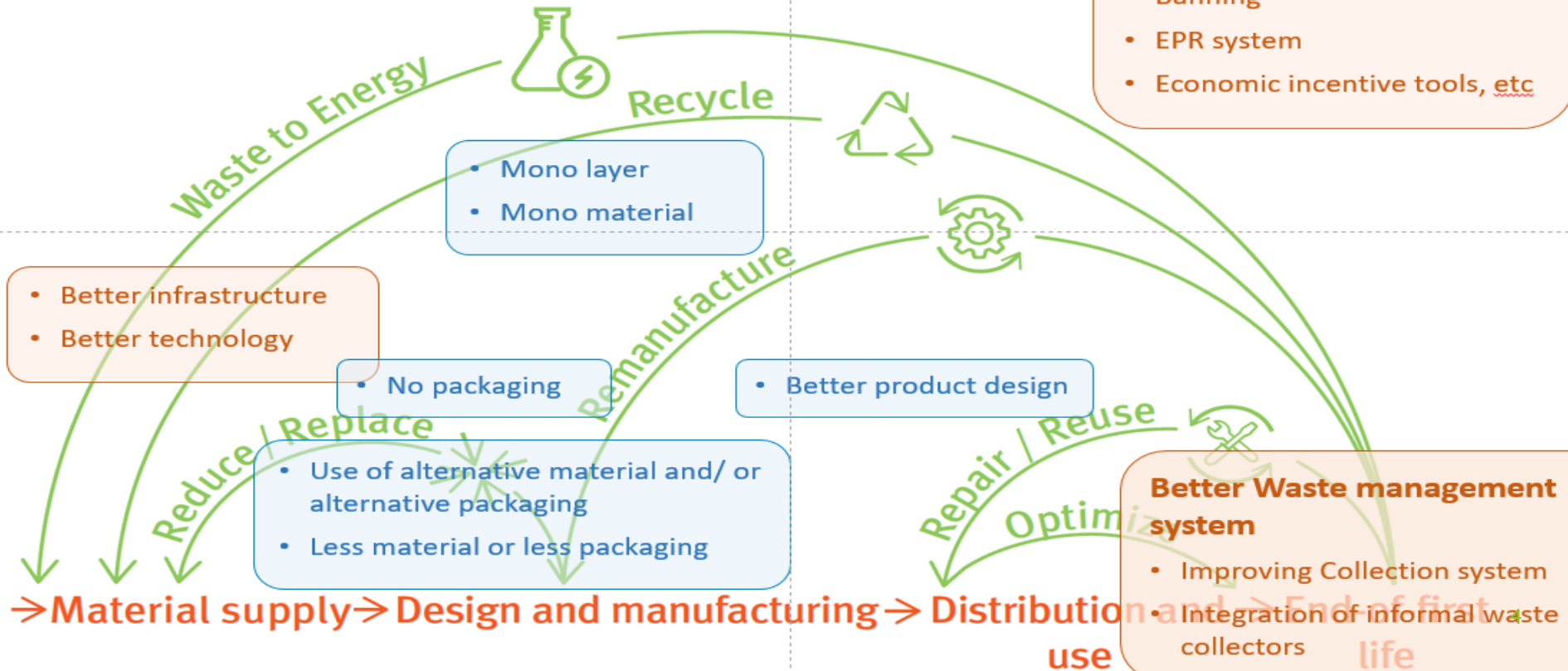
UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



SUSTAINABLE DEVELOPMENT GOAL 9
INDUSTRY, INNOVATION AND INFRASTRUCTURE

Linear supply chain

Circular economy practices



National Strategy to limit the use of use plastic bags

Devolved and implementation phase

- **Vision:** Reducing the negative impact of excessive consumption of plastic bags on health, the environment, the economy and society
- **Mission :** Reducing the consumption of plastic bags to: 100 bags per person per year by 2025 to 50 bags per person per year by 2030
- **Action plan :** Gradually prohibiting free distribution and setting the minimum thickness of plastic bags and activating them at the level of the Republic, taking into considered the social dimensions



Implemented process at the national level

1. Laws and regulations

- Waste management law of number 202 for year 2020 and its executive regulations
- The decision of minister of trade and industry number 326 of year 2022 to format a committee from (ministry of Environment, ministry and trade and industry) to set terms and conditions for single use plastic bags.
- The decision of the Prime minister number 20 for year 2022 to apply the incentives of the investment law to the manufacture of safe, environmentally friendly alternatives to single-use plastic products and integrated waste management activities

Government Partnerships

1. Ministry of Environment
2. Ministry of Trade and Industry
3. Ministry of Local Development
4. Ministry of Tourism
5. Ministry of Finance
6. Ministry of Health
7. Ministry of supply and Internal Trade

The implemented process at the national level

2. Support the private sector and the leading businesses

- Signing the voluntary alliance charter on the safe disposal of plastic waste through recycling (Nestle - PepsiCo - Coca-Cola - Unilever - Procter & Gamble - Al Ahram Beverages) to emphasize the importance of implementing the extended product responsibility policy
- Sponsoring PepsiCo's "Dor La Reel" platform and taking on extended product responsibility, which aims to collect and recycle 8,000 tons of plastic packaging materials
- A memorandum of understanding between the Ministry of Environment, the International Company for Petroleum and Industrial Services "Incom" and "Okeanos International" to implement a joint project called "Okyanos Egypt sevitanretla citsalp erutcafunam ot," "hguorhtMade From Stone" technology, through which plastic alternatives can be manufactured from Calcium carbonate

Implemented process at the national level

3. Technical support and building abilities

- Coordination with many international donors to fund many projects⁹ that help reduce the use of single-use plastic bags. Preparing a database for each of the large, medium and small companies that manufacture alternatives to single-use plastic bags and NGOs working in the field of awareness to reduce the use of single-use plastic bags
- Designing an experimental electronic platform for multiple trainings in the field of waste management in Arabic

The implemented process at the national level

4. Increase of Environmental awareness

- Launching awareness campaigns from the Red Sea Governorate and some other governorates about the negative effects of plastic on marine and wild life and human health
- Beach cleaning and awareness-raising campaigns in both the Red Sea and the Mediterranean in partnership with civil society
- Conferences of manufacturers and producers of single-use plastic bags

The Measures Currently Implemented at The Nation Level

- ▶ Coordination with the World Bank to prepare a study on a systematic and audited mechanism for inventorying plastic waste on the Egyptian coast, focusing on the Mediterranean coast, and exchanging this data with the concerned international bodies to take it into account when issuing their reports.
- ▶ A specification for single-use plastic bags is being issued by the Egyptian General Organization for Standardization and Quality, provided that the minimum thickness of the plastic bag is 50 microns.
- ▶ A standard is being issued for biodegradable plastic bags from organic materials and fully biodegradable according to what is applied in many countries
- ▶ Coordination is underway with the Major Supermarket chain to start announcing the cessation of free distribution of SUPBs and to conduct a promotional campaign to raise awareness of the harms of single-use plastic bags.
- ▶ issuing with the Prime Minister to take the decision of applying the EPR system.
- ▶ Other projects in pipeline and development to support implementations process (such as JICA, UNIDO, GIZ ,WB and WES)

Partnership for Africa's Challenge on Waste Management - Global Waste Initiative 50by2050 - Cop27

Egypt's waste initiative sets the ambition to treat at least 50% of waste produced in Africa by 2050 ; it will address both mitigation & adaptation, for all waste types

Initiative



Rationale

By 2050, in Africa eg. ~1 bnT of solid waste will be generated and disposed annually – 300-500 kg CO₂ eq. impact per ton of landfilled waste



Less than 10% of waste in Africa is currently treated or recycled

Treating 50% of waste by 2050 would increase the global treatment rate by 10%

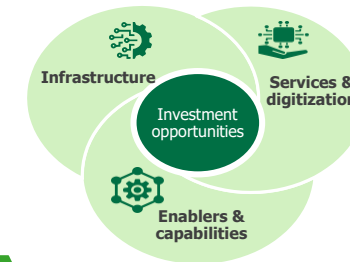
50 by 2050 – From Egypt to Africa for a global impact

Objective

Achieve 50% treatment¹⁾ of waste by 2050 in Africa and foster waste prevention in line with key SDG's²⁾

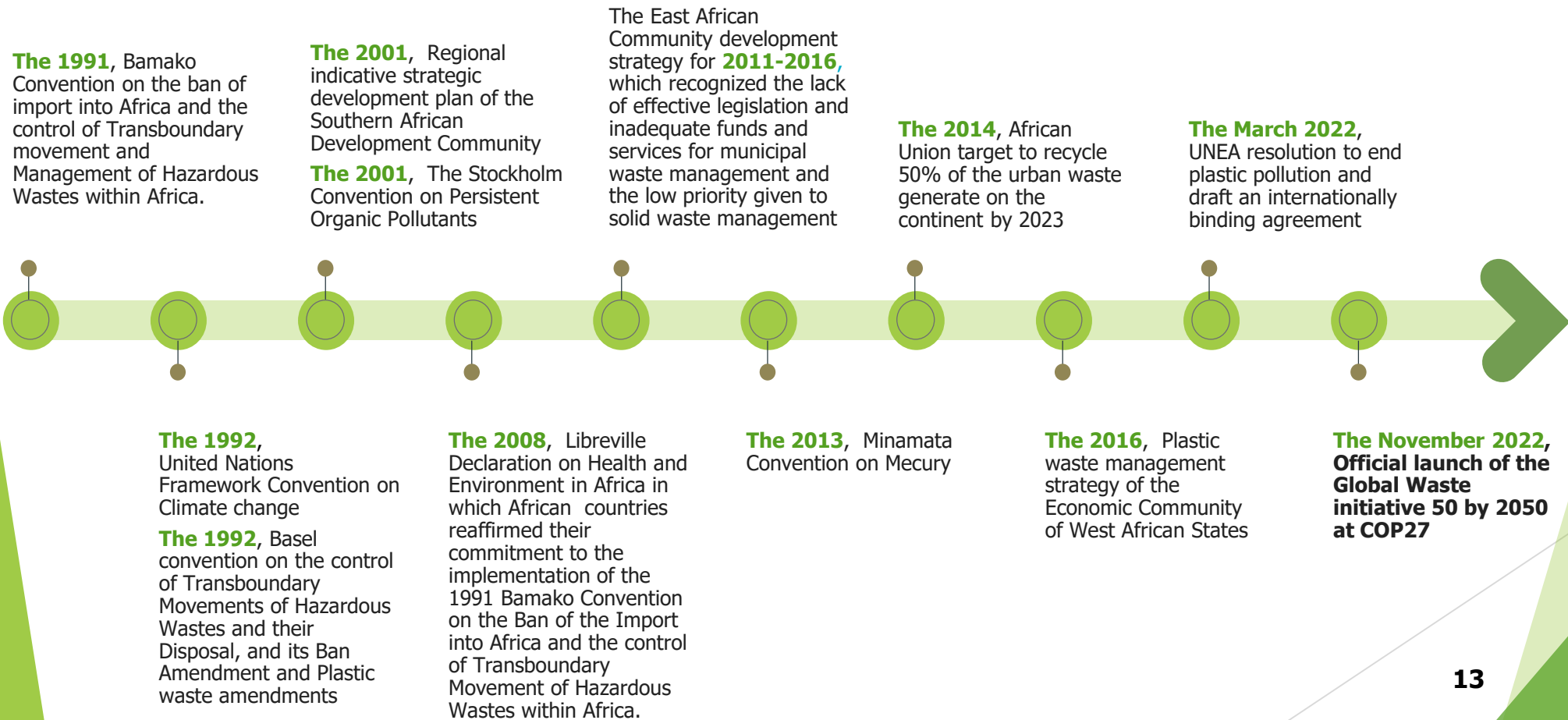
Egypt's role

- 1 Develop partnerships and catalyze existing initiatives
- 2 Create transparency & align key African waste management initiatives
- 3 Facilitate trade of recycled material between African nations (Plastic, E-waste, ...)
- 4 Support knowledge transfer to Africa on the recycling & required waste infrastructure



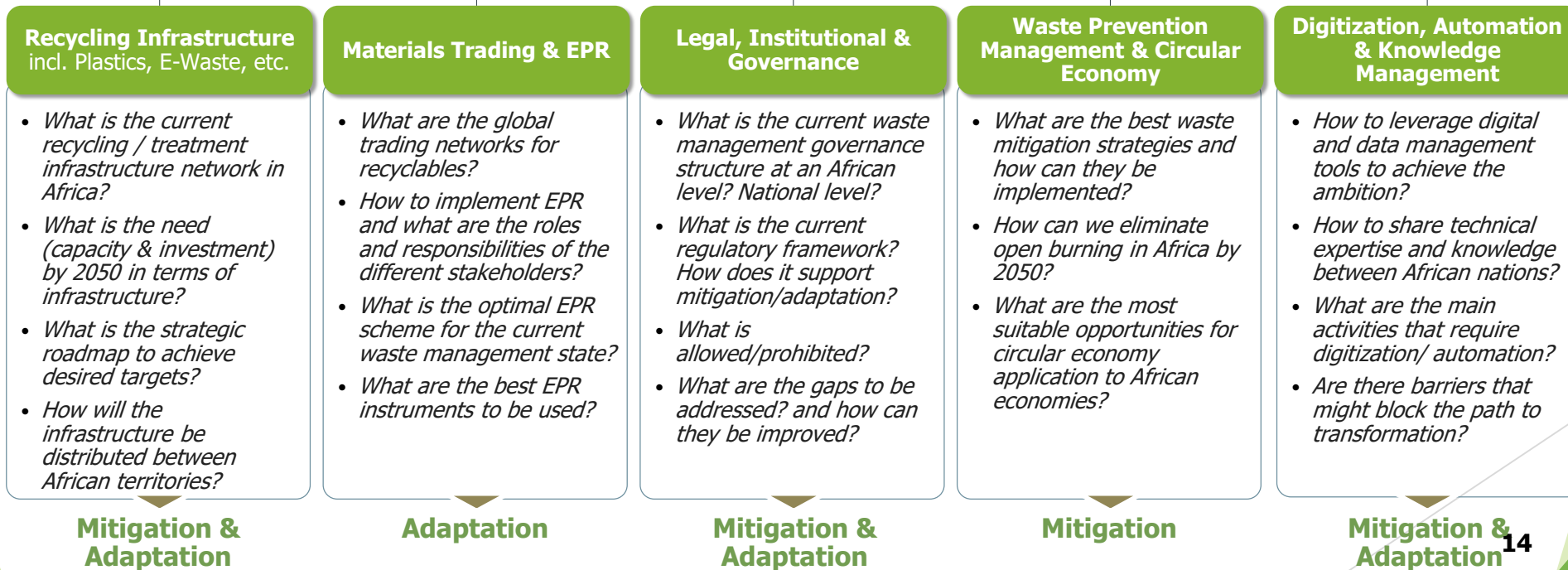
The African waste infrastructure represents a 300+ bn USD opportunity by 2050

The Global Waste initiative 50 by 2050 will build on the existing commitments and actions contributing to upgrade the African waste management ecosystem



Implementation of the initiative will rely on the working groups designed in order to address the main waste management challenges of the African continent

Working Groups coordinator



Thank you