



# THE GREEN ECONOMY AND SUSTAINABLE DEVELOPMENT IN WEST AND CENTRAL AFRICA: HOW TO ACCELERATE GROWTH AND JOB CREATION?

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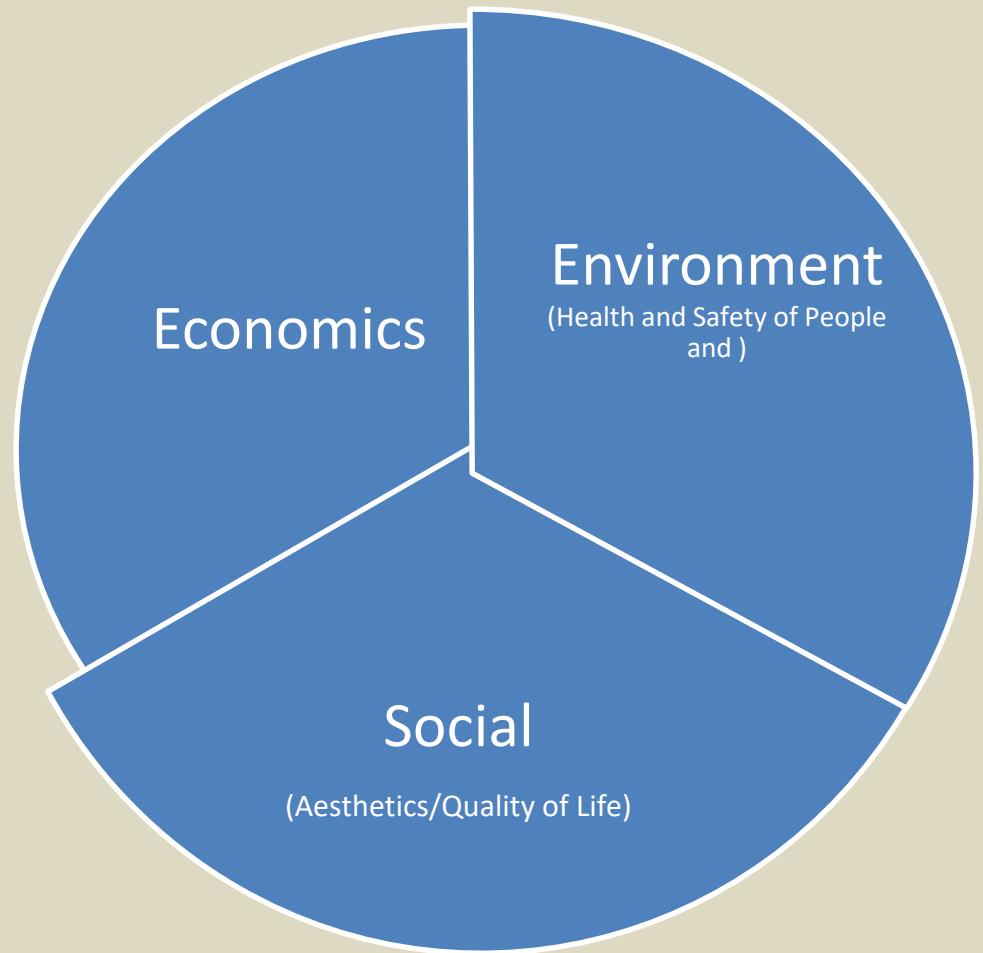
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## THE GREEN ECONOMY

A green economy can be defined as one that results in improved human well-being and social equity, while significantly reducing environmental risks and ecological scarcities (UNEP 2011)

## ELEMENTS OF SUSTAINABLE DEVELOPMENT



## NIGERIAN ECONOMIC SUMMIT GROUP: Sustainability Policy Commission

- Ensures balance of resource use and consumption and provide platform for engaging stakeholders for dialogue and collaboration

### Sustainability Aspects:

❖ **Social Inclusion:** Capture informal sector that provides about 85% of labour force (provide access to information and knowledge, training and capacity building and fund & business), ensure transparency and ethics(governance) and boost confidence of investors

❖ **Environmental Consideration;** Select optimal resources use (e-g *Minimize agric risks* /post harvest losses with [biomass/solar/Gas tech](#), Cost efficient Green homes, Roads with [green products eg.clay](#), Reclaim lands from Desertification with [agro-forestry green tech](#); [Waste recycling](#))

❖ **Economic Consideration: Financial Inclusion** (ensuring level playing field, and equal access to financial services) **Competitiveness** (lowering the market entry and ease of doing business eg improving time frames for export and imports, incentives eg zero tariffs for renewable energy); **Diversified Economy:** focus on the six growth sectors from the rebased economy; determine growth contribution by each sector; **Drive GDP/ revenues through growth contributors** : targeting informal sector and the SMEs thru sectors.

# Green Economy and key Growth sectors for Jobs

- **Key Green growth Sectors to trigger Rural economy under the JCU**
- *Agriculture*: largest potential for GDP and revenues delivering raw materials to industry eg cotton, grains, rubber, hides and skin or export.
- *Clean /Renewable Energy*
- *ICT*: significant growth opportunities and needed for market information/trading
- *Construction*: affordable homes for workers in emerging rural economies
- *Infrastructure*: rural roads and access to markets
- *Wholesale and Retail* : improved distribution for export and imports.– refrigeration and chilling for agric products (cold chains)

# NESG Thematic Group on Circular Economy : Component of Green Economy:

- Promotion of Circularity in the manufacturing sectors, change in consumption and production pattern in pursuant of SDG 12 with impact on other SDG

## *Issues:*

- Increase population
- Pressure on Earth Carrying Capacity and depletion of Natural Resources
- Opportunity for business/job creation/employment

## LINEAR ECONOMY

Extract, Make, Use and discard. Causes pollution and waste of valuable resources.

## CIRCULAR ECONOMY

Regenerate natural resources, promote resource and energy efficiency, build sustainability and provide access to decent jobs

# WASTE AS A RESOURCE

Circular Economy promote waste as a resource:

- Technical nutrient as raw materials for manufacturing industries: saves energy and cost
- Biological nutrients for soil conditioning for soil restoration and other agricultural purposes for crop yield.

Eliminate waste from production process through appropriate design

Open up opportunities through Reuse, Repair, Recycling, Recover.

# FRAMEWORK OF INTEGRATED SOLID WASTE MANAGEMENT

Resource and Waste Management need a viable and coherent framework to work well

**Physical Elements: Drivers for Policy and regulations Enactment**

- **Public Health protection:** maintaining healthy condition through waste collection system
- **Environmental protection:** this achieved in the technical aspect of waste chain through proper treatment and disposal methods
- **Resources Management:** closing the loops by returning materials and nutrients back into beneficial use. This achieve through recycling.

**Governance Features: strategies that ensures a functioning system**

- **Inclusivity:** Service provider Government, private sector-formal and informal, Users, External Agents enabling the environment  
Areas of good practice Consultation, communication, and involvement of users  
Participatory and inclusivity planning  
Inclusivity in siting facilities; and  
Institutionalizing inclusivity
- **Financial sustainability:** High recurrent cost, low allocation to waste management
- **Sound Institution and Proactive Policies**

# EXAMPLE OF NATURAL ECO CAPITAL PUBLIC – PRIVATE PARTNERSHIP WITH EDO STATE ON PLASTICS WASTE RECYCLING

## Edo State Waste Profile

Population: 4 million people

Waste generation: Estimated volume of 2000 MT of solid waste daily, of which 20% is recyclable waste (i.e. 400mt/day).

Market value: ~~N~~40 million (\$110, 000)/ (unprocessed recyclable material)

Value fully harnessed, potential to generate about ~~N~~14.6 billion (\$40, 500M) per annum and ~~N~~43.8 billion (\$120, 000M) if processed (pelletized)

creating employment opportunities for thousands of people within various activities in the value chain.

## The Concept

- Translate environmental problem to economic benefit, improve the living standards and make the waste management sector attractive to dissuade illegal migration (***Environment, Economic and Social issues***)



# Edo State Government Target

Projected to have potential to generate a total of N150 million/month or annual turnover of \$4.5 million

Hopes to generate over 1500 jobs within the same period

2020

Private sector is expected to supply the needed skill and sustainable technology in partnership with local industries and investors

2018

Edo State is determined to achieve 95% efficiency in its waste management services by 2020.

50% of the Municipal Solid Waste is converted into useable materials

# NATURAL ECO CAPITAL CIRCULAR ECONOMY BUSINESS MODEL FOR JOB CREATION

- Aggregator and Value addition

spur a private sector-led market driven plastic value chain development.

- Engage the citizenry to adopt the Circular Economy concept of rethinking (waste) material as resources: Refuse, Reduce, Reuse and Recycle

- Engage local fabricators for cost effective machines to promote local technology

- Target about 1, 000 youth within the first year

- Assist in formalization of the

- Gradually move to conversion of materials into new products

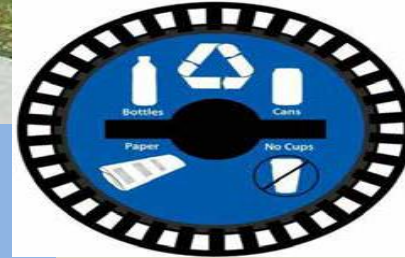
## Enabling factors:

Market development, participation and capacity building support from MADE( Market Development for Niger Delta States)

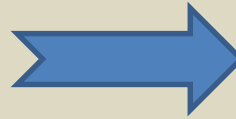
Leveraging on Government available Support

# Overcoming the Barrier

We identify some barriers some barriers and strategize to overcome them



# TRANSFORMING ENVIRONMENTAL ISSUE TO ECONOMIC AND SOCIAL BENEFITS



THANK YOU