Linking Trade, Industry and Climate Action

The Gambian Pilot

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Content

- 1. Background
- 2. Objectives of the Pilot
- 3. Trade and NDC; The Gambian perspective
- 4. The Gambia's RF-GNDP –Trade, Industry and Export
- 5. Identified Climate Related Trade Sectors in The Gambia
- 6. Climate Related Action Measures
- 7. Climate Strategic Sectors
- 8. Recommendations

1. Gambia Context

- One of the smallest countries in mainland Africa covering 10,689 km2 (~2.487 million people).[1]
- Economy primarily driven by agriculture and tourism.
- The Recovery Focused National Development Plan (RF-NDP 2023 - 2027), locally referred to as 'YIRIWAA' aims to consolidate gains in democratic governance, accelerate green economic and social transformation, and build resilience to shocks and crisis.

Climate risks

Wildfire
Risks: agriculture, displacement of communities, and disruption of tourism.

Flood (river, urban and coastal)
Risks: Damage to infrastructure, displacement of communities, and disruption of tourism.

Droughts
Risks: Food and water scarcity, economic impacts and increased vulnerability of communities.

Temperature Extremities
Risks: Heatwaves affecting human health, agriculture, and water resources.

Shifting Rainfall Patterns
Risks: crop production, water availability.

1: LTS, 2022

2. Objectives

Identify Climate Related Trade Sectors	Formulate and adapt list of Trade related climate Measures	Foster Stakeholder Engagement and Awareness
• facilitate the selection of trade sectors with significant potential to support The Gambia's climate objectives through mitigation, adaptation, and resilience-building measures.	• Develop and validate a list of trade related measures for potential inclusion in The Gambia's NDC	• establish a platform for dialogue and collaboration among key stakeholders to enhance awareness and advocate for the inclusion of trade in national climate strategies, contributing to the country's efforts to achieve its climate goals.

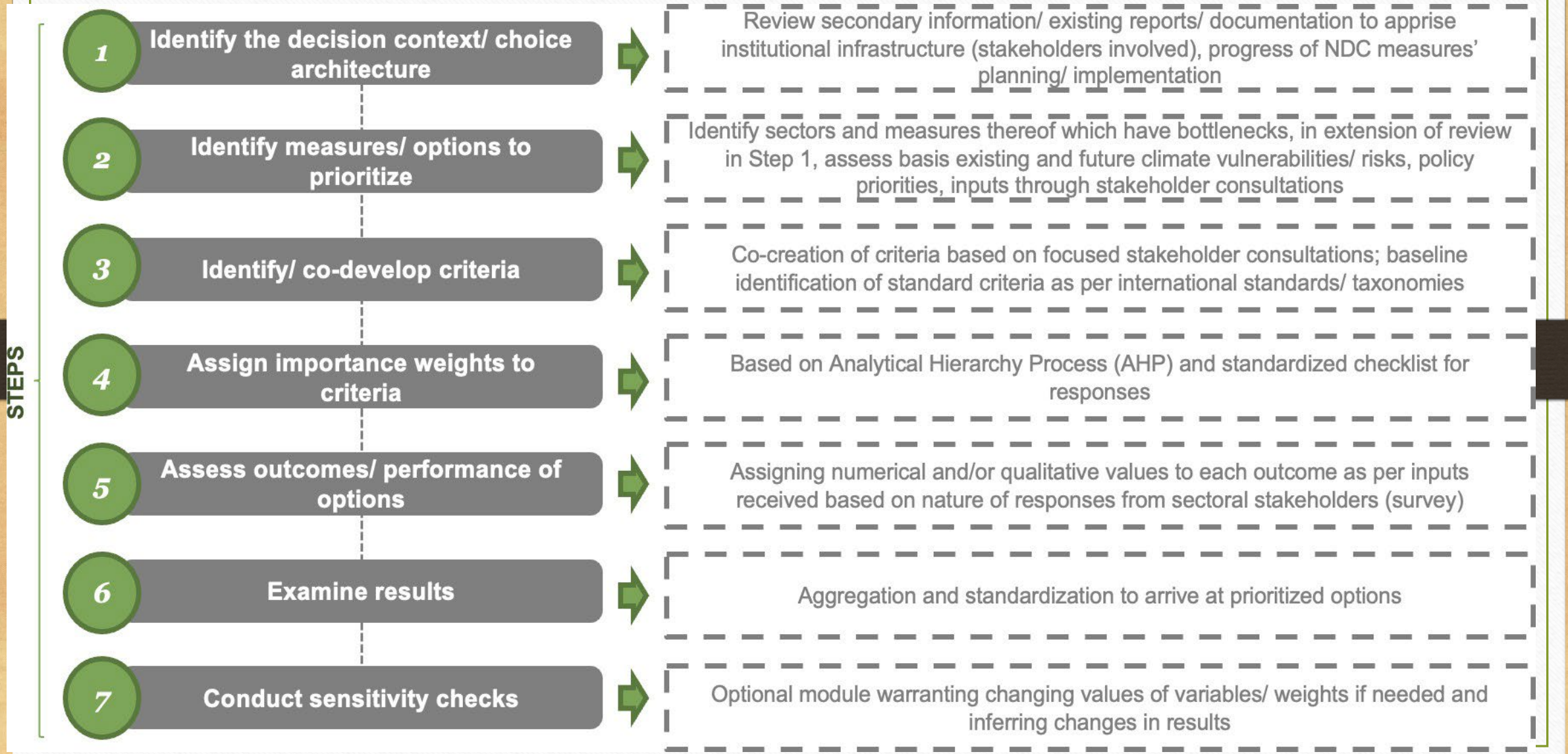
3. Gambia Ambition

- NDC commitments span across the key prioritized sectors of **Agriculture; Land-use change, and Forestry (LULUCF); Energy; Transport; Waste management and Industrial Processes and Product Use (IPPU).**
- The Gambia has one of the most ambitious NDC**, aiming for a 49.7% reduction in GHG emissions, which is compatible with the 1.5°C target.**
- The Gambia through the Long-term Climate-neutral Development Strategy 2050 (**LTS), costed at USD4.0 billion**, **has two scenarios:**

i. **Business as Usual (BAU):** A projection from the base year in 2020 to 2050 revealed an emission estimate of 15,894 GgCO2e, which will be emitted in the country if no mitigation action is undertaken to address the problem

ii. **Net Zero: Decarbonisation of the energy**, AFOLU and Waste sub-sectors leads to achieving net zero scenario by 2050

3. NDC Implementation Plan Development Process



3. NDC IP Overview

Select Priority areas/ sectors

M mitigation A adaptation C cross-cutting

1 (M A)

integration and harmonization of national electricity production systems, development of grid-connected wind power, reduction of transmission and distribution losses, and the replacement of heavy fuel oil (HFO) systems with solar photovoltaic (PV) and battery-based mini-grids

2 (M A C)

Decarbonizing the transport sector by downsizing its carbon footprint

3 (M)

A reduction in hydrofluorocarbon (HFC) consumption through fuel **substitution**

4 (M A C)

implementation of GHG reduction measures in different rice ecologies, adoption of Climate Smart Agriculture (CSA), and application of GHG emissions reduction measures across the Full Food Value Chain and livestock productivity

5 (M A C)

Restoring degraded landscapes, promoting fuel-efficient cookstoves, adopting multi-strata agroforestry, and implementing sustainable fire management practices

6 (M A)

Establishment and promotion of integrated waste management, including waste gas recovery and organic waste recovery

7 (M A C)

Development of an enabling environment for climate resilience, establishment of national climate change governance, and the adoption of the Gambia IFMIS system as the Climate Change Public Finance Management System.

8 (M A C)

Climate-resilient land use planning, mapping, and information systems

cross-cutting agriculture FOLU energy building waste water industry transport Land Money Policy

NDC IP Overview

Examples of sector outcomes

1 Energy (*Electricity Supply (Grid and Renewables) and Transport*)

9 Outcomes | **45 KPIs**

- **E1** The National Electricity Production Systems (NAWEC, KARPower and OMVG) are integrated and harmonized
- **E2** Grid-connected wind power is developed and operational
- **T1** 1.3.1 / 1.3.2 The carbon footprint of the Gambia's transport sector is downsized (decarbonization of Transport Sector)

2 LAND USE, LAND USE CHANGE, AND FORESTRY (LULUCF)

9 Outcome | **20 KPIs**

- **F1** Degraded landscapes (including protected forests) are restored
- **F3** Multi-strata agroforestry as a GHG mitigation measure is adopted, promoted, and implemented
- **F4** Sustainable Fire Management is applied

3 Pillar 1: Developing the enabling environment for climate resilience in The Gambia

8 Outcomes | **... KPIs**

- **CCF1** The Gambia IFMIS system of the Directorate of Treasury of MoFEA is adopted and adapted as the Climate Change Public Finance Management System
- **CCF2** Sustainable and Transparent Climate Change Resource Mobilization Mechanism and Framework developed and implemented
- **G1** National Climate Change Governance Established and Implemented

5 Pillar two: Climate-resilient land use planning, mapping, and information systems

6 Outcomes | **... KPIs**

- **CCRL** Land and Land-Use Governance, Strategy and Action for Climate and Climate Change Resilience are developed and operational
- **CCRW** Climate Change Resilient Water and Sanitation (WATSAN) Management System is established and operational
- **CCRB** A climate-proofed Built Environment and Infrastructure for Resilience

Click to access the NDC IP in the OPPT

NDC Priority Sectors for Climate Action Investment Implementation

THE PRIORITY SECTORS FOR CLIMATE ACTION INVESTMENT ARE:

A. Agriculture; Land-use change, and Forestry (LULUCF);

B. Energy;

c. Transport;

D. Waste management and Industrial Processes and Product Use (IPPU).

- **The costs indicated in the implementation plan is estimated as more than $315,850,000 in the long term (11-25 years).**

Adaptation actions on the other hands are fully conditional, and this entails finance, technology transfer and capacity building.

4. GREEN RE-FOCUS NATIONAL DEVELOPMENT PLAN 2023-2027

NDP PILLAR I- BUILDING COMMUNITY RESILIENCE TO SHOCKS

- Disaster preparedness
- Social safety nets
- Climate smart agriculture
- Mitigation & adaptation-climate change

NDP PILLAR II- ACCELERATING ECONOMIC TRANSFORMATION

- Diversification of the productive base
- Promotion of private sector growth- trade, industry and investment, NES
- Infrastructure Development

5. Identified Climate Related Trade Sectors

No	Sector/Product Name	Proposed Measure	Alignment to Gambia's NDC
1	Low Carbon Agro processing (food value chain, enhanced waste management)	Promote usage of Renewable energy in Fish Processing Industrial Units (Solar Panels, Solar Dryers, biofuels from fish waste)	[C2] GHG emission reduction measures are adopted and implemented for the Agricultural Crop production sub-sector through Climate Smart Agriculture [CSA] measures
		promote the production of fish waste into biofuels, organic fertilizers and carbon capture throughout waste processing and for sustainable aquaculture (feeds).	[C3] GHG emissions reduction measures are adopted and applied in Full Food Value Change of The Gambia
2	Renewable Energy Technology (solar) & Related Infrastructure	promote the use of renewable energy at Agro-processing centers (pack houses, cold storage and dryers).	[E5] Solar home systems are established and operational
		Introduce Tax incentives for the installation of renewable energy at Agro. Processing centers.	[E6] Efficient lighting systems are established and promoted
		Ensure Technical Regulations (based on relevant international Standards) on renewable energy are adopted and enforced in The Gambia.	

5. Identified Climate Related Trade Sectors

No	Sector/ Product	Proposed Measures	Alignment to Gambia's NDC
3	Promote Eco-friendly Tourism (Responsible Tourism)	Align the tourism development master plan and the NDC to promote eco-friendly and low-carbon tourism	[F1] Degraded landscapes (including protected forests) are restored
			[C3] GHG emissions reduction measures are adopted and applied in Full Food Value Change of The Gambia
			[F2] Fuel-efficient and cleaner cookstoves are promoted and upscaled
			[W1] Integrated Waste Management, including waste gas recovery (MA6] and organic waste recovery [MA7] is established and promoted
4.	Climate Smart Agricultural Products (rice, agroforestry, livestock)	promote reforestation/afforestation in NBR and other regions by planting trees for export promotion and carbon credit.	[C2] GHG emission reduction measures are adopted and implemented for the Agricultural Crop production sub-sector through Climate Smart Agriculture [CSA] measures

5. Identified Climate Related Trade Sectors

	Sector/ Product	Proposed Measures	Alignment to Gambia's NDC
5	Low Carbon Transport and Logistics (trade corridor and SEZs)	Promote the use of energy efficient means of transport at aggregation centers (efficient Refrigerated trucks)	[T1] The carbon footprint of the Gambia's transport sector is downsized (decarbonization of the Transport Sector)
		Improve road access to aggregation centers as well as agro-processing centers	
6.	Groundnut Production (Aflasave biotech)	Support the development and use of climate-resilient varieties and encourage practices to reduce postharvest losses.	[C2] GHG emission reduction measures are adopted and implemented for the Agricultural Crop production sub-sector through Climate Smart Agriculture [CSA] measures
			[C3] GHG emissions reduction measures are adopted and applied in Full Food Value Change of The Gambia

6. Climate Strategic Shortlist:

Trade Related Sectors						Climate-Related Indicators			
Sector/Product Name	**Proposed Measure**	**Import Value**	**Export value**	**RCA**	**High Expose to Response Measure**	**Envir. Preferable good/service**	**High CO2 Emission good/service**	**Strong adaptation needs /implications**	**Reason for selection**
1. Low Carbon Agro-Processing (food value chain, enhanced waste management)	Promote the use of renewable energy in Fish processing centres	high	high	high	no	yes	No	yes	**High export potential and strong demand for sustainable goods to support women entrepreneurs**
	Promote prodn of fish waste into biofuel	high	high	high	no	yes	no	Yes	Same as above
2. Renewable Energy Tech. (solar & related Infrastructure)	Promote the use of renewable energy at agro-processing centers (packhouses, cold storages etc)	High	low	Low	No	Yes	no	No	Need for clean energy production to drive export esp. for women entrepreneurs.
	Introduce tax incentives for installing renewable energy at processing centers and ensure technical regulations are adopted and	High	High						

6. Climate Strategic Shortlist

Trade Related Sectors						Climate Related Indicators			
Sector/Product	**Proposed Measure**	**Import Value**	**Export Value**	**RCA**	**High Expr to response measure**	**Environmental Preferred good/service**	**High CO2 Emission Good/service**	**Strong adaptation needs/measures**	**Reason for selection**
3. Low carbon-fertilizer	Promote the use of high efficient technology for compost making and organic fertilizer	High	High	NA	Yes	Yes	No	Yes	**Promote low carbon and resilient farming practices potential to support women entrepreneurs export drive**
4. Sustainable Fishing and Fisheries products (ocean Eco. Dev)	Promoting aquaculture and other sustainable fishing innovative technology	High	high	high	yes	yes	No	Yes	high export potential and strong demand for sustainable fish and fisheries products
5. Eco-Friendly Horticulture(Mango and Citrus)	Promote the use of renewable energy for irrigation and the organic fertilizer for production	High	Low	High	no	yes	no	Yes	high export potential, emerging sector, local food security and adaptation potentials.
6. Climate Smart	Promote	low	low	NA	No	Yes	No	yes	economic

7. Recommendation & Conclusions

The Consultative meeting agreed as follows;

- **Identify a Climate Focal Person at the Ministry of Trade who will be responsible for all climate and NDC-related activities at the Ministry.**
- **Identify a Trade and Industry Focal Person at the Ministry of Climate Change who will be responsible for all trade, industry and Investment activities .**
- **Set up a Trade, Industry and Climate committee that will comprise of Members from the following institutions; Ministry of Trade, Ministry of Environment and Climate Change, Ministry of Agriculture, National Environment Agency, The Gambia Investment and Export Promotion Agency, The Private Sector (The Gambia Chambers of Commerce, The Manufacturers Association and Women Chamber of Commerce).**
- **Submit a joint Proposal (Ministry of Trade and Ministry of Climate Change) to UNCTAD for capacity building and piloting this initiative.**
- **Aling this outcome with AfCFTA National implementation strategy, the New Industrial and Diversification Policy, the Trade Policy etc.**
- **Develop a road map for national advocacy and sensitization.**

THANK YOU!!!