

Sustainable Biomass Potentials in Kenya

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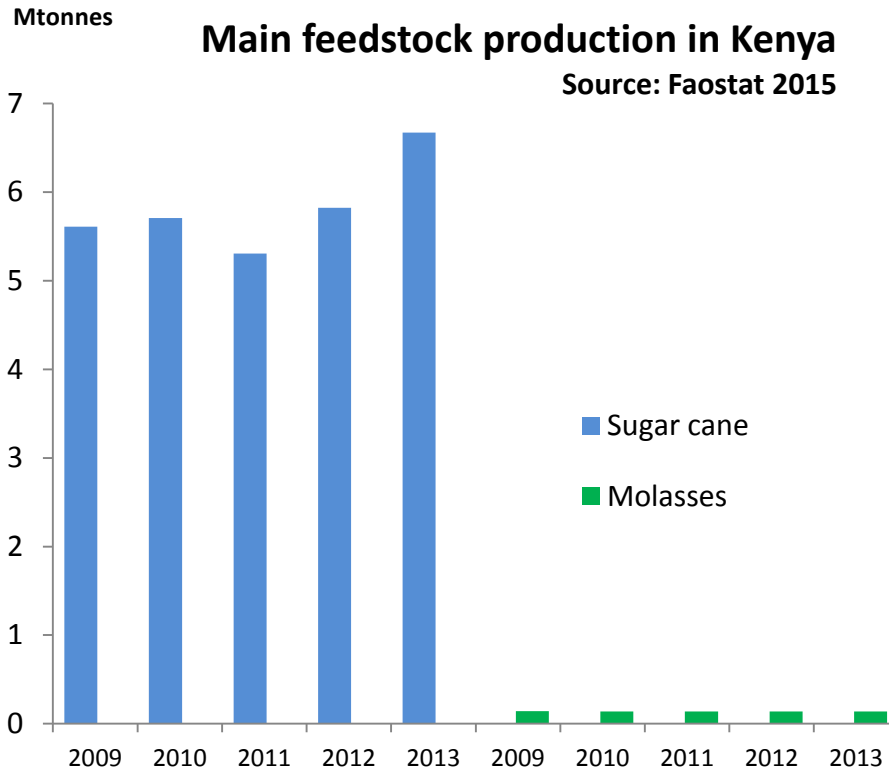
With supports of
Aristeidis Dardamanis

Sustainable Biomass Potentials in Kenya

- I. Overview
- II. Methodology & Scenario Approach
- III. Results
- IV. Conclusions & Discussions



I. Country overview



Key sustainability issues:

1. Land-use:

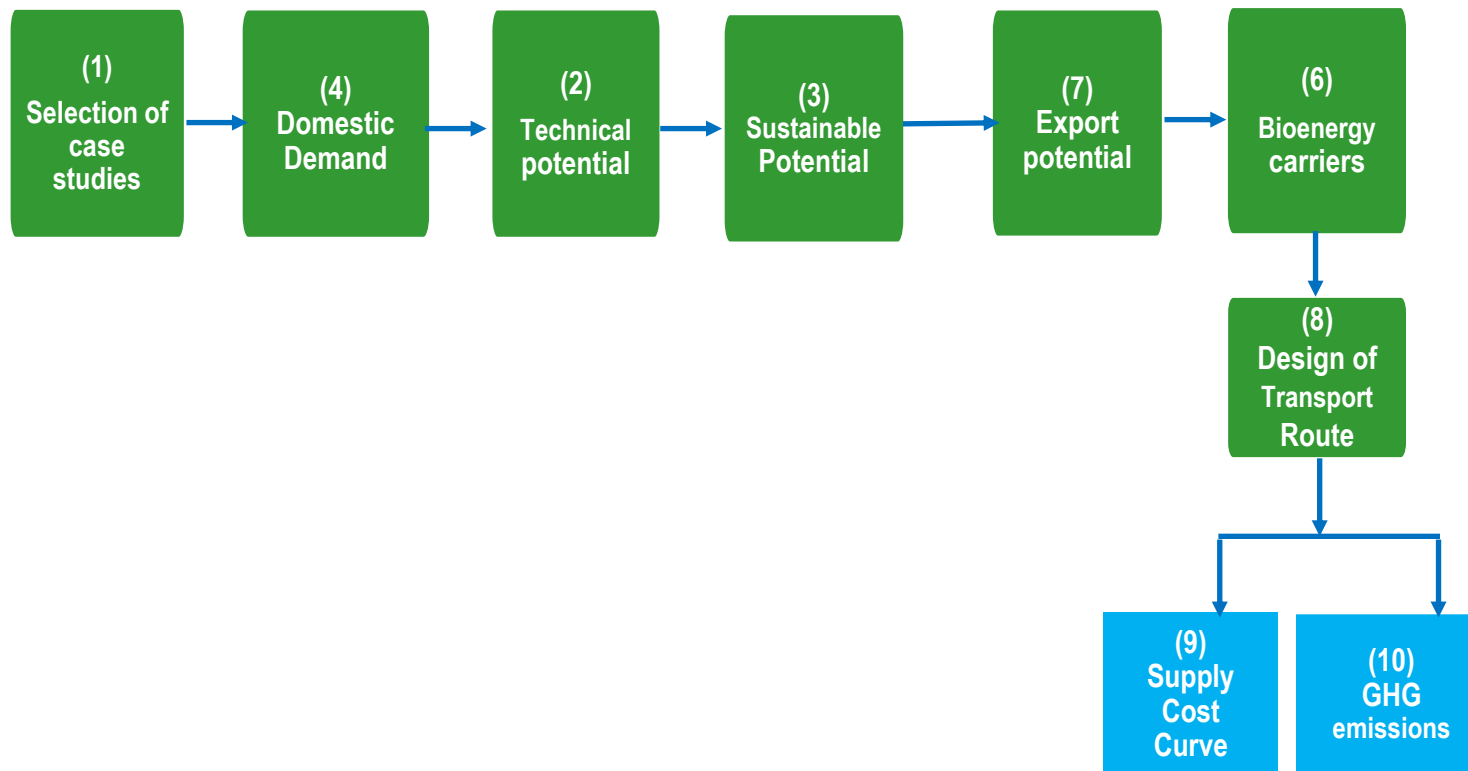
- soil erosion
- deforestation
- water pollution &
- desertification

2. Resources overexploitation:

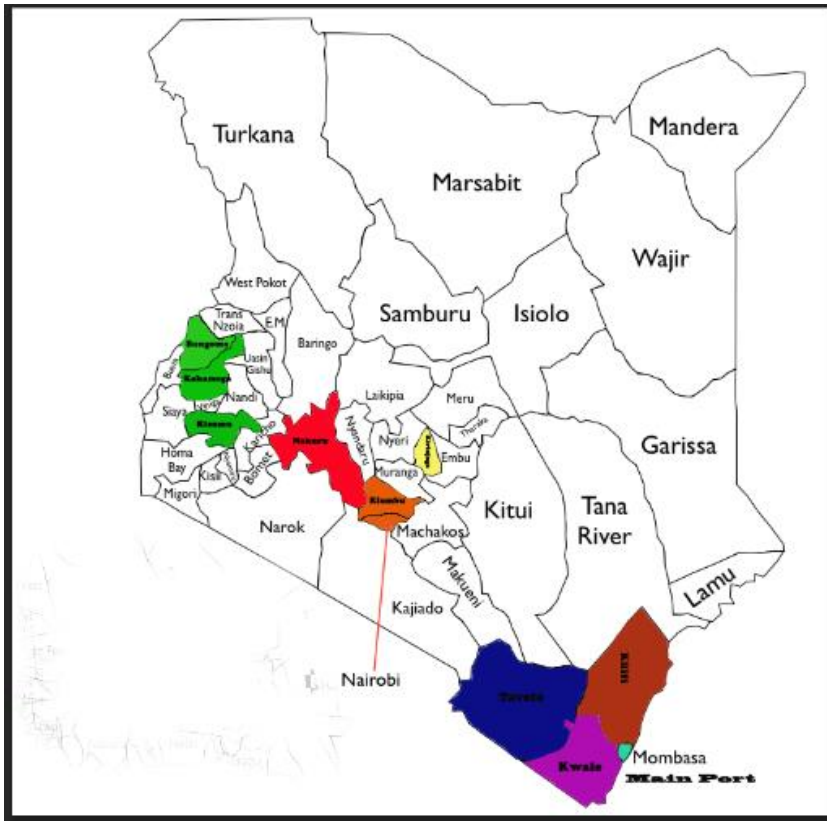
- Water resources

II. Methodology & Scenario approach

Scenarios Timeline	BAU			High Export		
	Current *	2020	2030	Current *	2020	2030



III. Results (1): Potentials

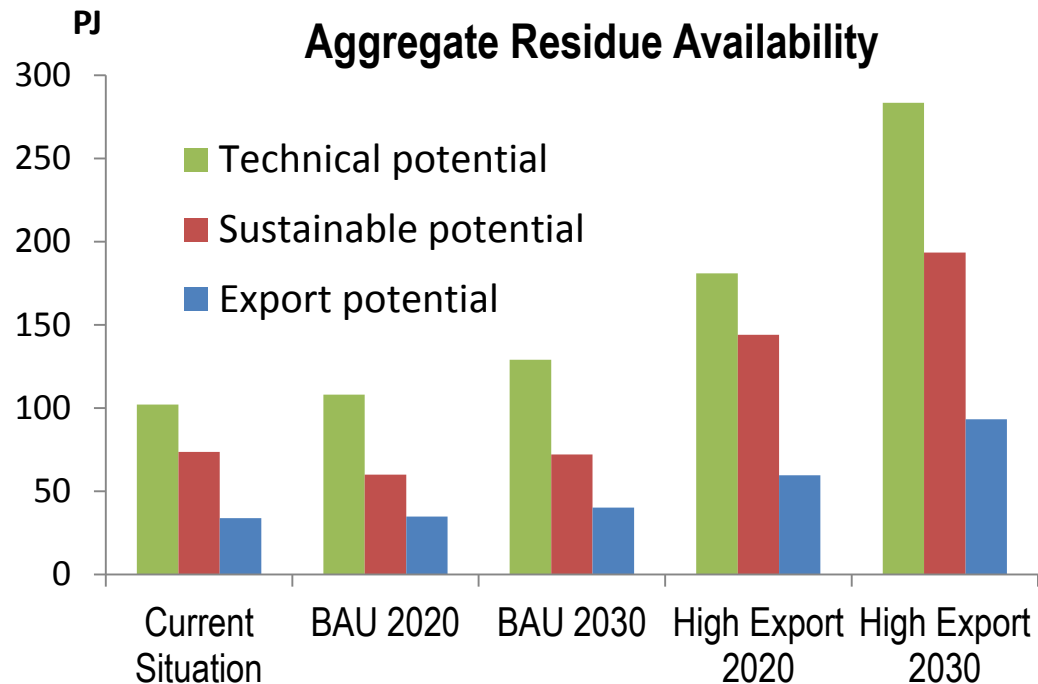


1. Agriculture:

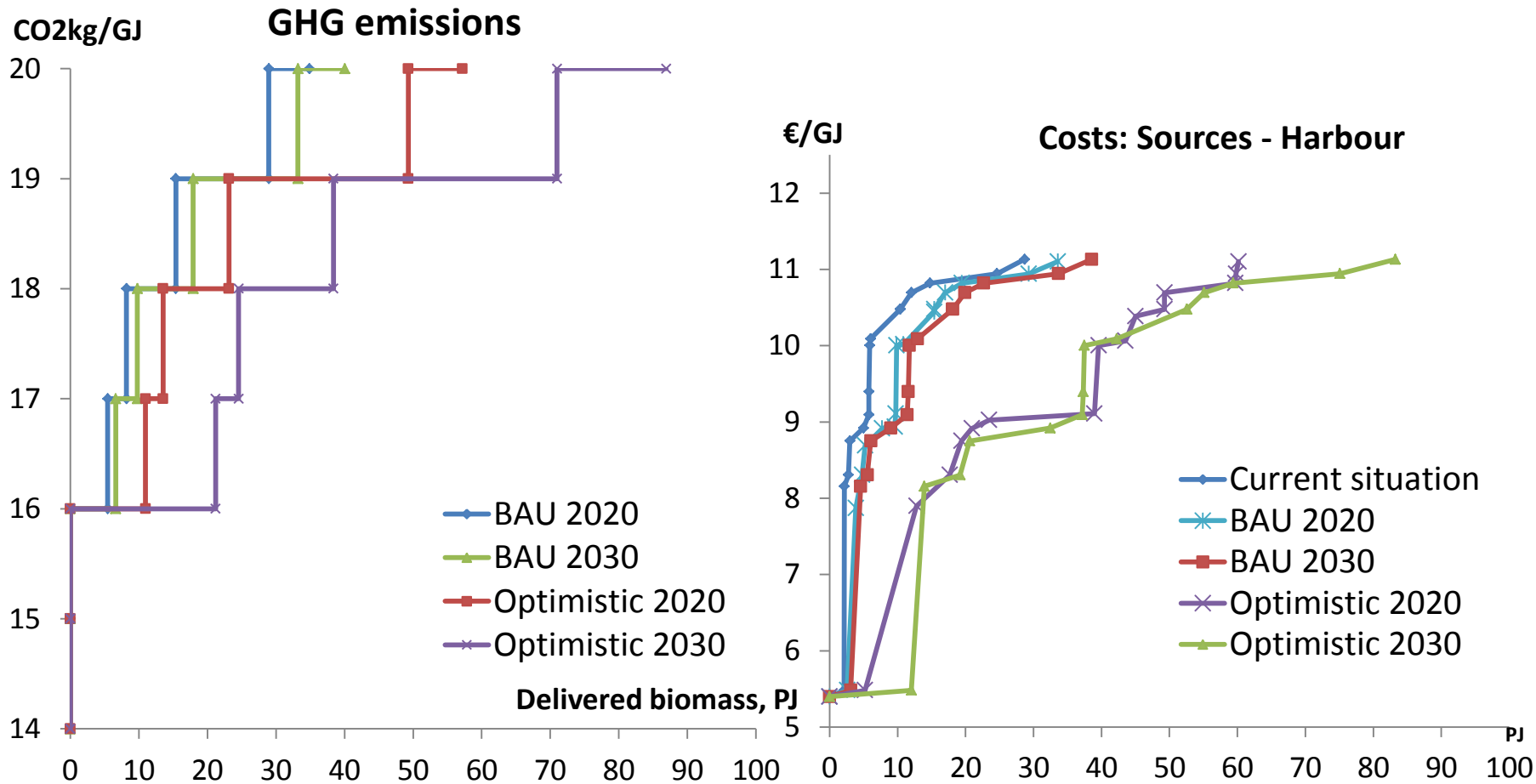
- **Sugarcane:** bagasse, stalks & leaves, molasses;
- **Sisal:** ball, bogas or pulp;
- **Coffee:** husk, pulp;
- **Coconut:** husk;
- **Rice:** husk, straw.

2. Forestry:

- **Sawdust**
- **Off-cuts & chips**



III. Results (2): Costs & GHG - sources to port



IV (A). Conclusions

1. Only slight increase of potentials in BAU and HE:

- **Deforestation** is a serious problem
- **Yields** are low

2. **Logistics & transport route** are key to reduce costs & GHG emissions

IV (B) Recommendations

1. **Data collection** to be further investigated

2. **Management training** to farmers to boost yield/ productivity

Thank You!

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