

Why Isn't Cane Ethanol More Widely Deployed in Africa?

Category

Elaboration & Examples

Mitigation Strategies

Limited motivation to implement

a) Perceived mismatch with high priority needs

Personal transport & light duty vehicle fuel top few lists

1) Emphasize & maximize important indirect social benefits

- Food security
- Economic development
- Alleviation of energy poverty

Directions Responsive to the African Context

Maximize social benefits

Strengthen connection to urgent social needs

Smaller-scale projects

Brazil: Macroeconomics → business case → social benefits

Africa: Social benefits → business case → macroeconomics

2) Connect to most urgent needs

- Clean, high efficiency cooking
- Agricultural machinery & trucking

b) Perceived competition with highest priority needs

Land, food, investment

Apprehension of colonial model benefitting external investors

1) & 2)

3) Smaller scale projects

Obstacles to implementation

Poorly developed infrastructure (physical, market, finance, government)

Land tenure, access

3) Smaller scale projects

4) Coinvestment by government, NGOs shares cost, mitigates risk - motivated by 1) & 2), leveraged by 3).