

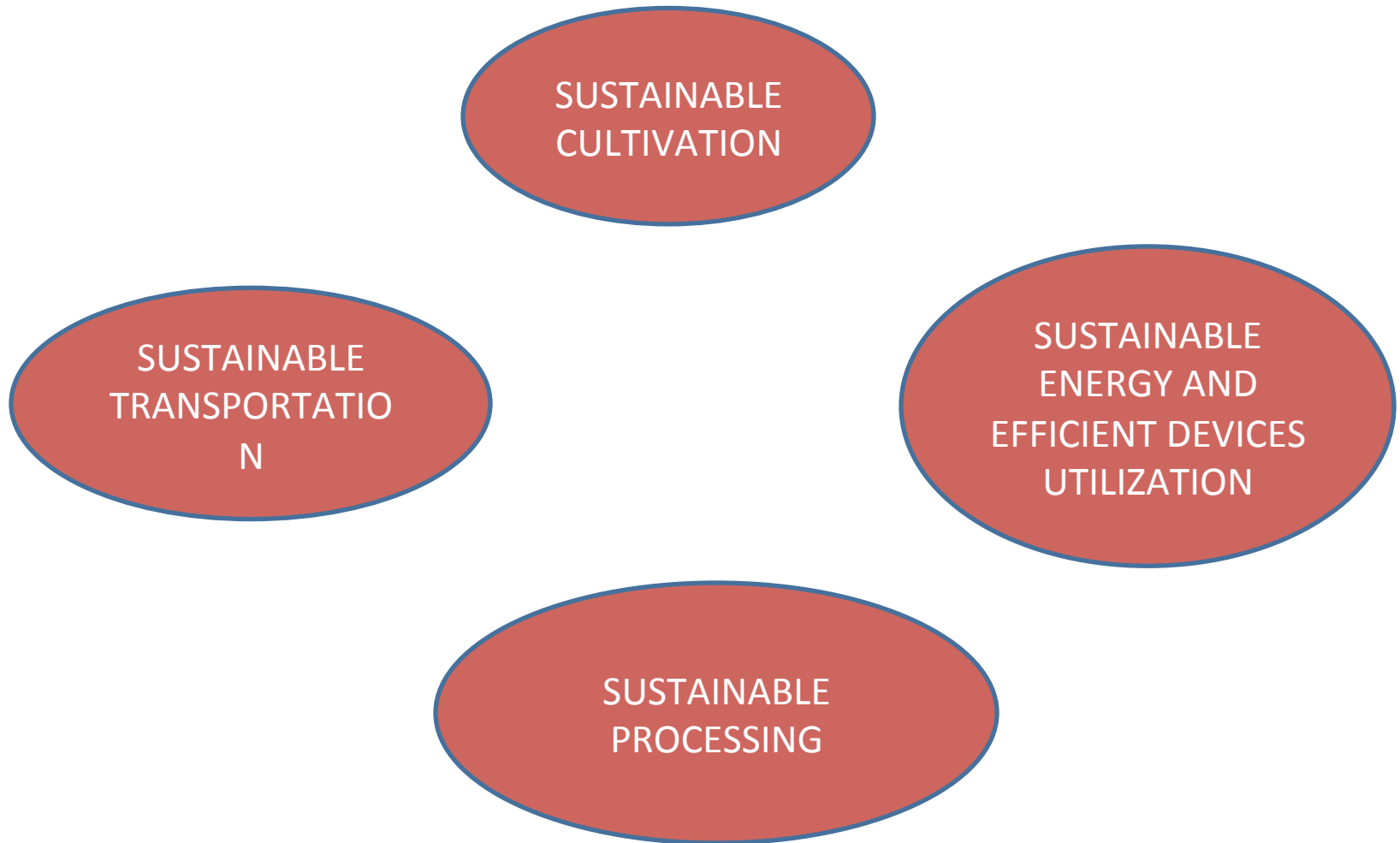
**SUSTAINABLE CLIMATE CHANGE
MITIGATION; CASSAVA VALUE
CHAIN ASSESSMENT/EVALUATION
CONCEPT.-Working Paper**

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BACKGROUND

- CLIMATE CHANGE MITIGATION IN CASSAVA VALUE CHAIN HAS LITTLE ATTENTION IN OUR COMTEMPORARY TROPICAL AFRICA CASSAVA VALUE CHANGE
- LITTLE LITERATURE

- **SELECTED VALUE CHAIN CASSAVA VALUE CHAIN PROCESS**



SUSTAINABLE CULTIVATION

- ❖ BIO-CHAR FROM CASSAVA PEEL FOR SOIL CONSERVATION AND STABILIZATION.
- ❖ HARVESTING WITH ENVIROMENTAL FRIENDLY DEVICES SUCH AS SIMPLE MOBILE HARVESTER.
- ❖ ALLEY CROPPING

SUSTAINABLE TRANSPORTATION

- TRANSPORTATION FROM FARMS TO MARKETS
SIMPLE MOBILE VEHICLES SUCH AS
ABOBOYAA
- CABLE CARS ON THE FARMS FOR TRANSPORT
OF HARVEST

SUSTAINABLE PROCESSING AND ENERGY EFFICIENT DEVICES

UTILIZATION

- PEELING WITH PORTABLE LOW ENERGY PEELING DEVICES.
- GRATING AND SIEVING WITH LOW ENERGY EFFICIENT DEVICES.
- ROASTING WITH IMPROVED AND EFFICIENT COOKSTOVES WITH LOW EMISSIONS AND HIGH EFFICIENCY (39-50% WITH UP TO 80% FUEL WOOD REDUCTION).
- GASIFICATION TECHNOLOGY FOR POWER GENERATION AND ROASTING GARI- (Gasification using raw and charred cassava peel and farm waste)
- ALL DEVICES FOR PROCESSING ARE ECO-FRIENDLY.

TECHNOLOGY AND INNOVATION

- ✓ RESEARCHING AND DEVELOPING NEW VARIETIES WITH SOFTEN PEELS FOR EASIER PEELING WITH MACHINES.
- ✓ HIGH BREED CASSAVA FOR VARIOUS APPLICATIONS (BIOFUELS, ACOHOLIC BEVERAGES, VARIOUS FOOD AND MEDICINAL PURPOSES, FILTRATION MEMBRANES etc)
- ✓ CABLE CARS UTILIZATION FOR CONVEYING HARVESTED CASSAVA TO HARVESTING POINT.
- ✓ TECHNOLOGY FOR THE PRODUCTION OF BUTANOL/ BIOBUTANOL AND CRYSTALS FROM CASSAVA PEEL

PICTURES OF DEVICES



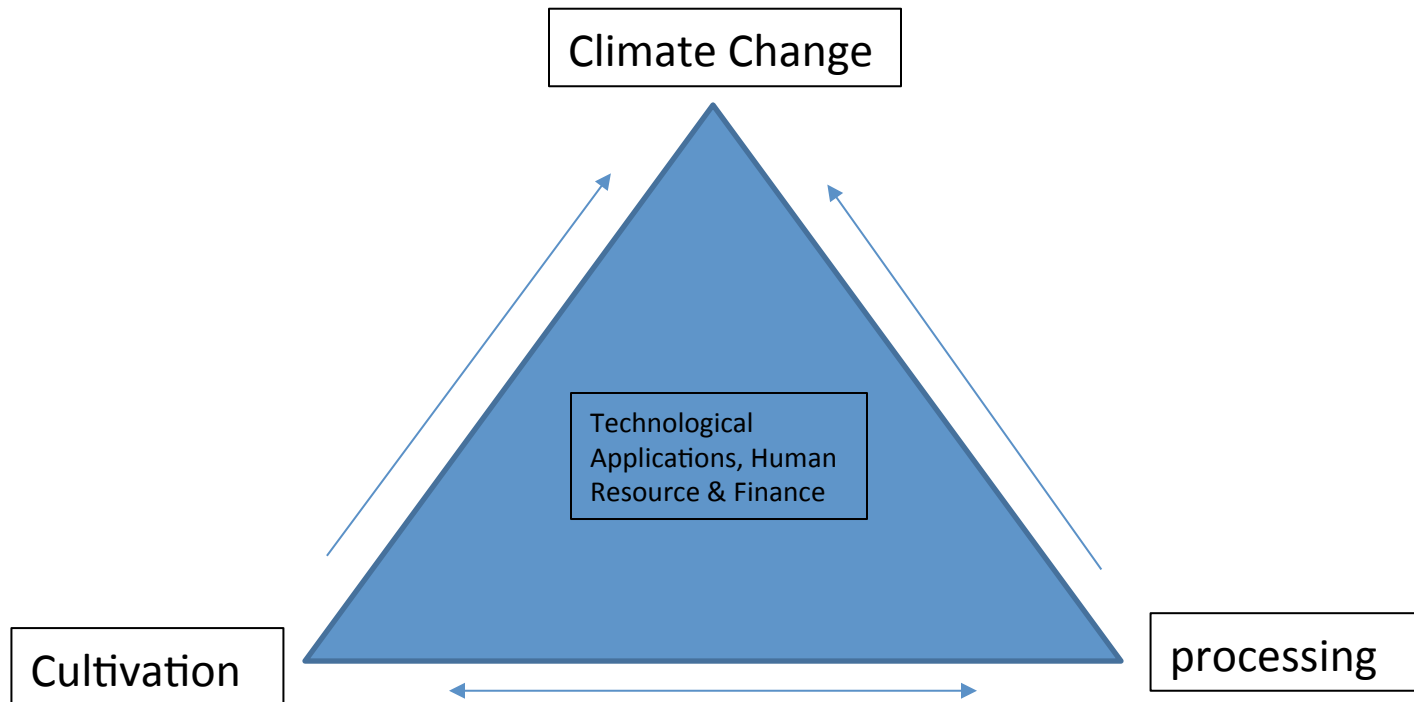
LOW ENERGY CASSAVA GRATER (500w)



CORDLESS GRATER FOR OFF GRID AREAS-USING PLASTIC FUEL



Basic Concept



Thank You