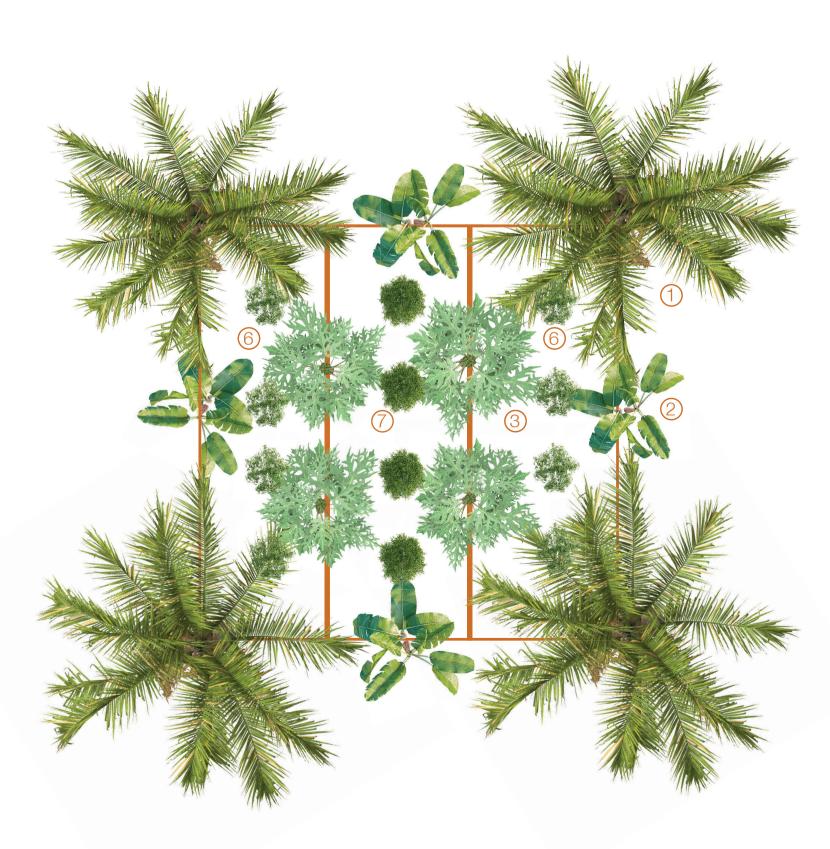
LOCAL ENTERPRISE WITH REGENERATIVE LAND USE

THE FIBRE HUB

FIBRE HUB PROVIDES THE CAPACITY TO PROCESS MATERIALS LIKE COCONUTS, HUSKS INTO BIOCHAR, AND GEOTEXTILES.

IT IS POWERED BY THE SOLAR ENERGY SYSTEM DURING THE DAY AS WELL AS THE WATER FROM THE STORM WATER COLLECTION SYSTEM TO MINIMISE IMPACT TO THE VILLAGE PORTABLE WATER SUPPLY. 3000 WEED MAT UNIT RAISED WEED MAT **PLATFORM** UNIT RETTING TANK COCO PEAT UNIT DEHUSKER ACCESS RAMP

THE 10X10M PLOT LAYOUT

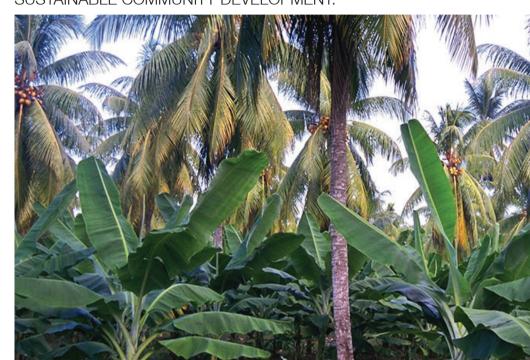


THE DEMO PLOT

THE CROPS SELECTED FOR OUR 10×10 METRE "COCONUT-BASED STRATA INTERCROPPED HORTICULTURE DEMO PLOT" - COCONUT PALMS, PIGEON PEA, LEMONGRASS, BELE, CHILLIES, GINGER, TURMERIC, EGGPLANT, VETIVER GRASS, BANANA, AND PAPAYA - HAVE BEEN CAREFULLY CHOSEN TO DEMONSTRATE A REGENERATIVE, CLIMATE-RESILIENT, AND INCOME-GENERATING FARMING SYSTEM FOR

TOGETHER, THESE CROPS FORM A MULTI-STRATA AGROECOLOGICAL SYSTEM: TALL COCONUTS, MID-STORY FRUIT TREES, AND PRODUCTIVE GROUND CROPS SUPPORTED BY EROSION CONTROL SPECIES. THE LAYOUT MAXIMISES SUNLIGHT USE, IMPROVES SOIL FERTILITY, CONSERVES WATER, AND ENHANCES BIODIVERSITY - ALL WHILE GENERATING FOOD, FIBRE, AND INCOME.

THIS APPROACH DIRECTLY ALIGNS WITH FIJI'S NATIONAL DEVELOPMENT PLAN VISION 2050, THE CLIMATE CHANGE ACT, AND REGENERATIVE PRINCIPLES, MAKING IT A SCALABLE MODEL FOR SUSTAINABLE COMMUNITY DEVELOPMENT.



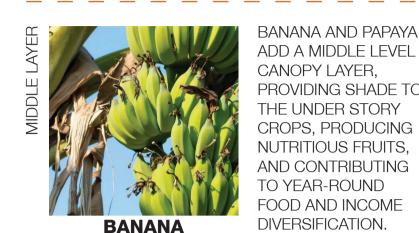


THE STRATA

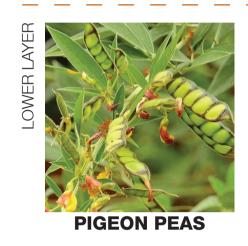


COCONUT PALMS FORM THE TALL CANOPY, STABILIZING THE SOIL, PRODUCING BIOMASS (HUSKS AND FRONDS) FOR FIBRE AND BIOCHAR, AND ANCHORING A CIRCULAR AGRICULTURAL SYSTEM.

COCONUT



ADD A MIDDLE LEVEL CANOPY LAYER, PROVIDING SHADE TO THE UNDER STORY CROPS, PRODUCING NUTRITIOUS FRUITS, AND CONTRIBUTING TO YEAR-ROUND FOOD AND INCOME DIVERSIFICATION.



NITROGEN-FIXING LEGUME THAT IMPROVES SOIL HEALTH, OFFERS WIND PROTECTION FOR DELICATE CROPS, AND PROVIDES FOOD.

LEMONGRASS IS

DROUGHT-TOLERANT,

AND OFFERS HIGH-

PRODUCTS.

REDUCES SOIL EROSION,

VALUE OIL AND HERBAL



BELE (ABELMOSCHUS MANIHOT), A **TRADITIONAL** LEAFY VEGETABLE, STRENGTHENS NUTRITION SECURITY WHILE PRESERVING INDIGENOUS FOOD KNOWLEDGE.

POTENTIAL OUTCOMES





COIR FIBRE & GEOTEXTILE



ACTIVATED CHARCOAL



COIR BASED BIOCOMPOSITE







CHILLIES, GINGER, TURMERIC, AND EGGPLANT ARE HIGH-VALUE CASH CROPS SUITED TO FIJI'S CLIMATE, PROVIDING QUICK RETURNS THROUGH BOTH FRESH MARKETS AND VALUE-ADDED PROCESSING.



VETIVER GRASS STRENGTHENS THE SYSTEM'S RESILIENCE BY CONTROLLING EROSION, STABILIZING SLOPES, AND NATURALLY FILTERING RUNOFF, SUPPORTING LAND DURABILITY.

HIGH VALUE CROPS

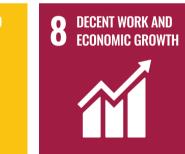
SDG OPPORTUNITIES











LEMONGRASS













COCONUT-BASED STRATA INTERCROPPED LAYERS

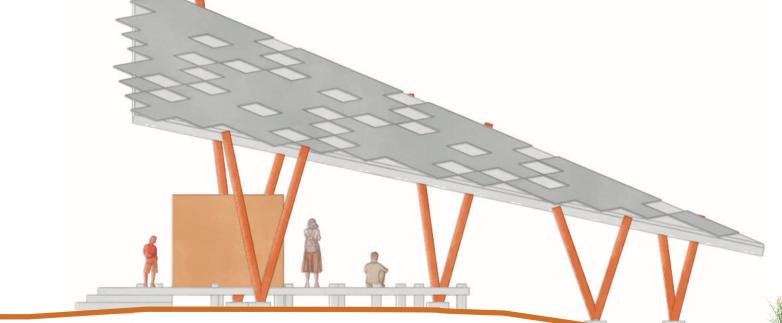


10X10M COCONUT-BASED PLOT

1. COCONUT 2. BANANA 3. PAPAYA 4. VITIVER GRASS

5. LEMON GRASS

6. PIGEON PEA 7. BELE 8. CHILLIES/GINGER/ TURMERIC/EGGPLANT





STORM WATER SWALE WITH NATURE-BASED WATER FILTRATION

SYSTEM