



Session n°14:

Innovations of Caribbean entrepreneurs in climate resilient technologies













IICA-COLEAD Innovations of Caribbean Entrepreneurs in Climate Resilient Technologies





PIONEER SPECIES AS FIRST SUCCESSIONAL GUILD

PIONEER SPECIES

- 1. BANANA
- 2. CASSAVA
- 3. PIGEON PEA
- 4. PINEAPPLE
- 5. CHAYA
- 6. CHIPILIN
- 7. PAPAYA
- 8. SESAME
- 9. VETIVER GRASS
- 10. SWEET POTATO
- 11. PRIDE OF BARBADOS
- 12.CANAVALIA/MUCUNA

SERVICES

- 1. SOIL RETENTION
- 2. SOIL MOISTURE

RETENTION

- 3. SOIL STRUCTURE
- 4. QUICK YIELDS
- 5. NITROGEN FIXATION

YIELDS

- 1. STAPLE CROPS
- 2. MARKETABLE CROPS
- 3. FODDER
- 4. GREEN MANURE





FOREST OR FARM?

ELEMENTS

- 1. STAPLE TREE CROPS
- 2. TIMBER TREES
- 3. TREE LEGUMES
- 4. SUB-CANOPY CROPS
- 5. LIVESTOCK

ECOSYSTEM SERVICES

- 1. SOIL RETENTION
- 2. SOIL MOISTURE

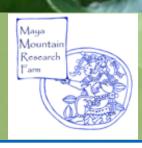
RETENTION

- 3. HABITAT CREATION
- 4. CARBON DRAWDOWN
- 5. BIOLOGICAL CORRIDOR
- 6. BUFFER ZONE

YIELDS

- 1. STARCH, PROTEIN, **OILS**
- 2. FODDER
- 3. FIBER
- 4. FUEL
- 5. MARKETABLE CROPS
- 6. MEDICINAL Crios
- 7. TIMBER





PERENNIAL STAPLE CROPS

TYPES

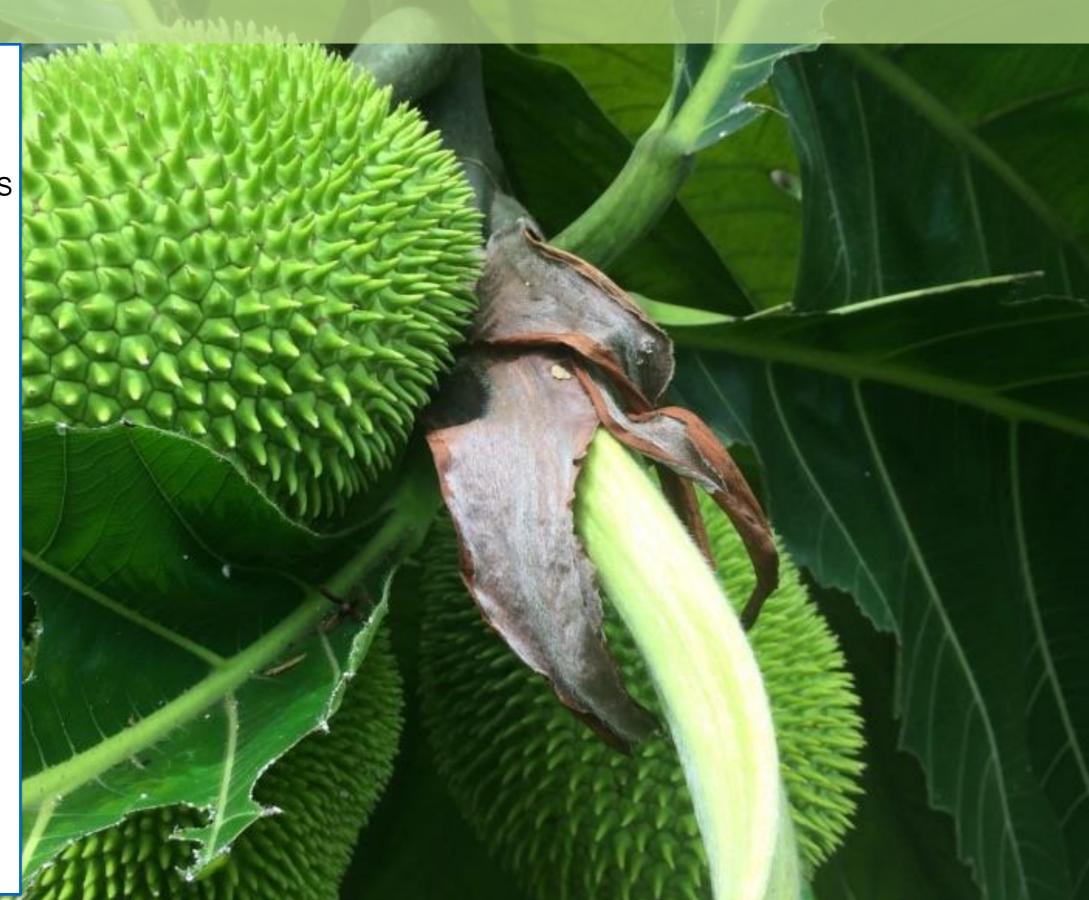
- 1. TUBERS
- 2. BANANA
- 3. TREE CROPS
- 4. SUBCANOPY CROPS

TREE STAPLES

- 1. BREADNUT
- 2. BREADFRUIT
- 3. JACKFRUIT
- 4. RAMON NUT
- 5. PEACH PALM
- 6. COCONUT
- 7. AVOCADO

USES

- 1. FOOD
- 2. FODDER
- 3. BIOGAS FODDER
- 4. MARKETABLE





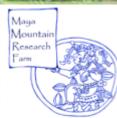
HIGH-VALUE AGROFORESTRY SPECIES: CACAO





HIGH VALUE SUB-CANOPY SPECIES: VANILLA!





HIGH VALUE SUB-CANOPY SPECIES: TURMERIC





ENERGY RETURNED ON ENERGY INVESTED





THANK YOU



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Thank you







