

# Fine/Flavour Sector using Science Technology and Innovation

**Case of the International Fine Cocoa Innovation Centre** 

Path Umaharan

**Cocoa Research Centre** 

http://www.cocoacentre.com; http://www.cacaocentre.com



International Symposium on Cocoa Research – ISCR 2017 Lima, Peru. 13 – 17<sup>th</sup> November 2017

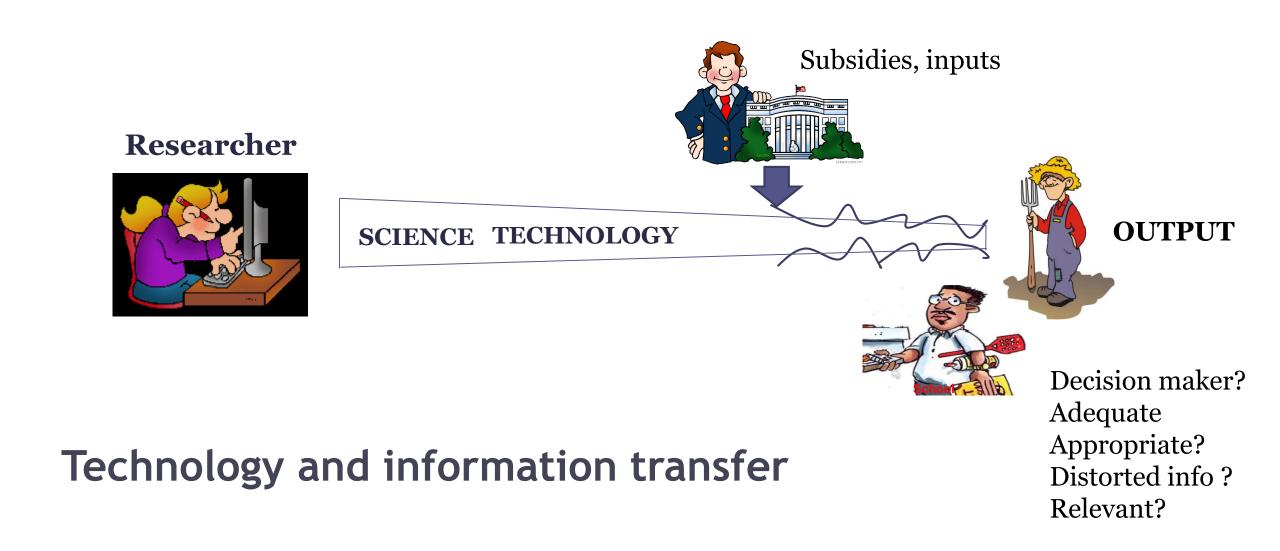
# Fine or Flavour Sector: Emergence of segmented niche and ultra-niche boutique market

#### **Features**

Large number of small boutiques, innovative, dynamic, diversity in products & flavours, responsive to customer needs, competitive

#### Supplier characteristics (nimble, innovative, market sensitive)

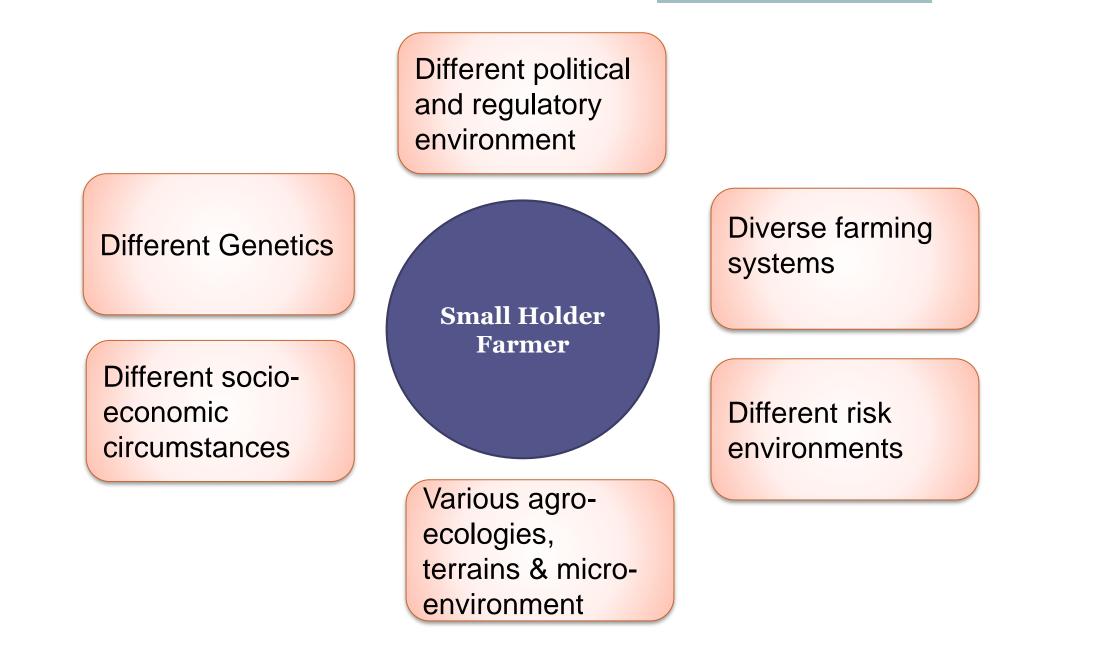
- 1. Diversity in flavours, uniqueness
- 2. Quality of product; consistency of quality
- 3. Branded products
- 4. Story behind the brand variety, historical perspectives, social, environmental,
- 5. Traceability system
- 6. Market innovations direct marketing opportunities, attractive packaging
  'Small is big' greater diversity, responsiveness

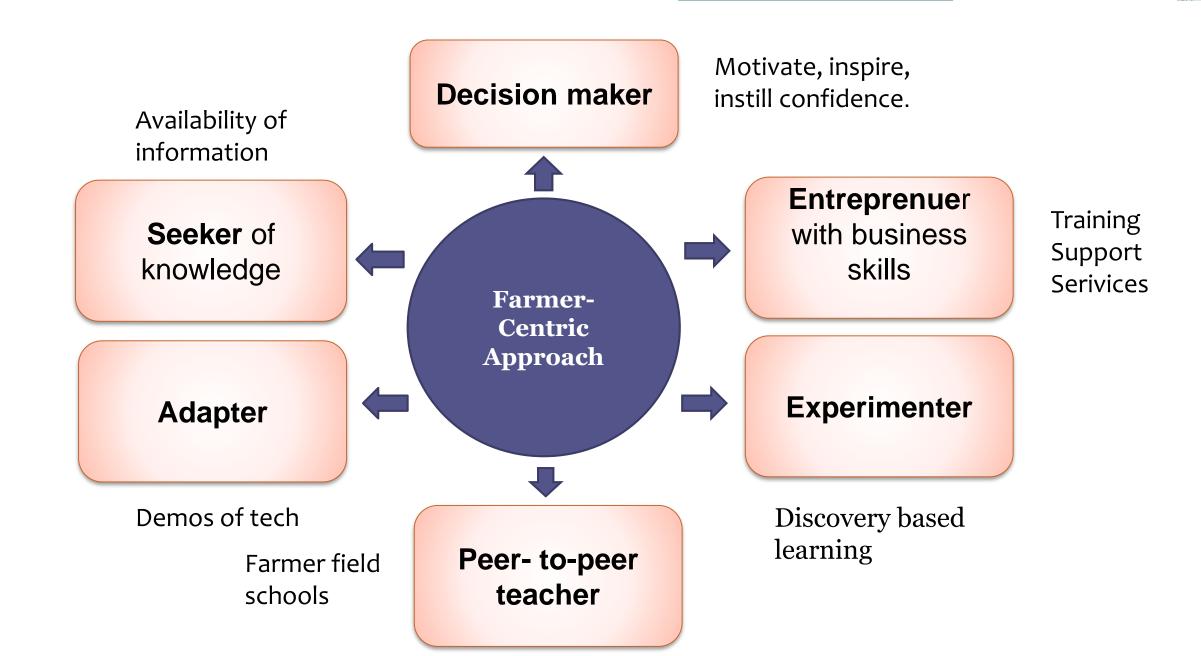


# Innovation and Technology Transfer System

#### **Traditional systems**

- 1. Unidirectional
- 2. Not 'farmer centric' Leadership & ownership, (inspire, motivate, train)
- 3. Not nuanced to meet needs meet individual circumstances (services)
- **4.** Not dynamic quick to change (information system)
- 5. No coordinated supportive environment (silos) holistic, information, demos, credit, training, services
- 6. No business approach cost-benefit / risk portfolio / profits? (train, support)
- 7. Not market led– lack of market information





#### FARM INNOVATIONS

- Farmer profitability & sustainability
- Improving the diversity of flavours, quality and consistency Postharvest
- Improve price fetched branding, direct marketing, reducing cost

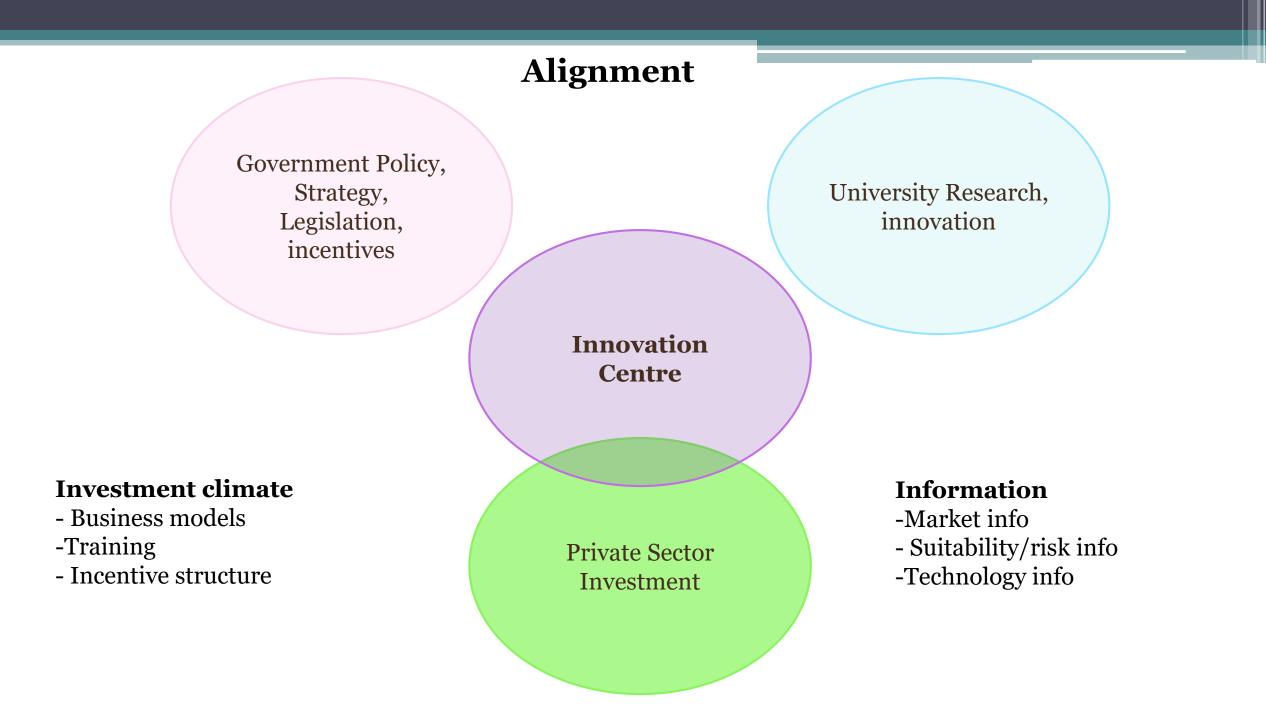
#### **INNOVATIONS IN SYSTEMS**

- Information & training
- Certification of quality, sustainability
- Branding collective marks or individual
- Traceability

#### **INNOVATIONS IN VALUE ADDITION**

- Value addition to diversify markets

#### **MARKET INNOVATIONS**



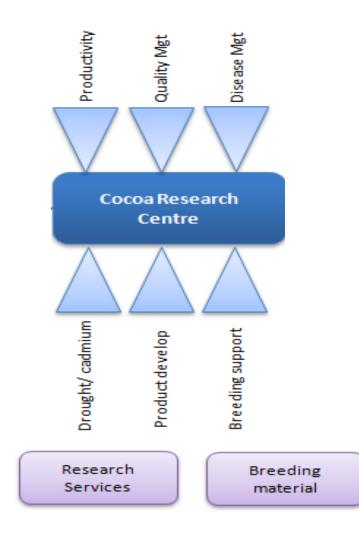
# **International Fine Cocoa Innovation Centre**

### **Objective**

Create a 'farmer-centric' innovation, technology transfer and entrepreneurship system that is dynamic and market driven to meet the need of the growing segmented fine/flavour market segment while ensuring farmer profitability.

#### **A Connected Innovation Centre**

RESEARCH



**Strengths** -Genetic diversity -Quality reputation

#### **Opportunities**

- Segmented market
- Health and wellness
- Burgeoning tourism
- Diaspora

#### **Overcome threats**

-Competition

- Diseases/ climate change
- Food safety issue



#### **Investment climate**

#### Demonstration of tech/ innov

- Profitable farms
- Productivity
- Quality/brands

Working with farmers to create nuanced **business models** 

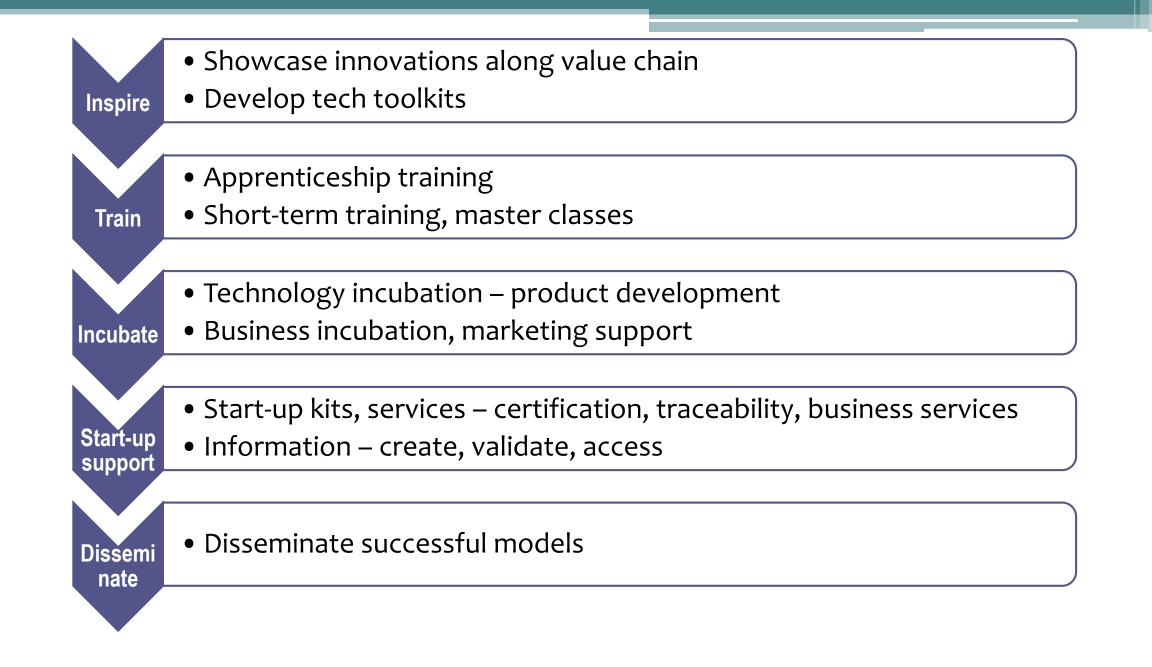
- Entreprenuership support
- Business cluster
- Start-ups

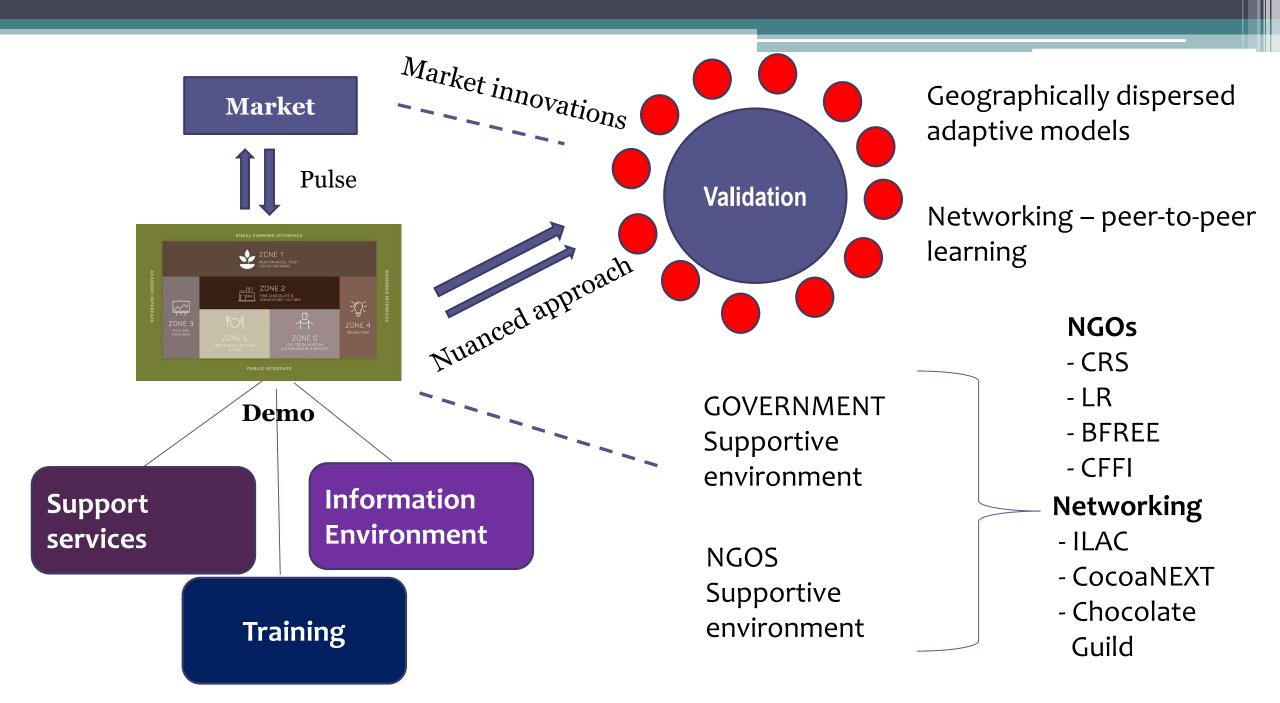
Services -technology

Apprenticeship training

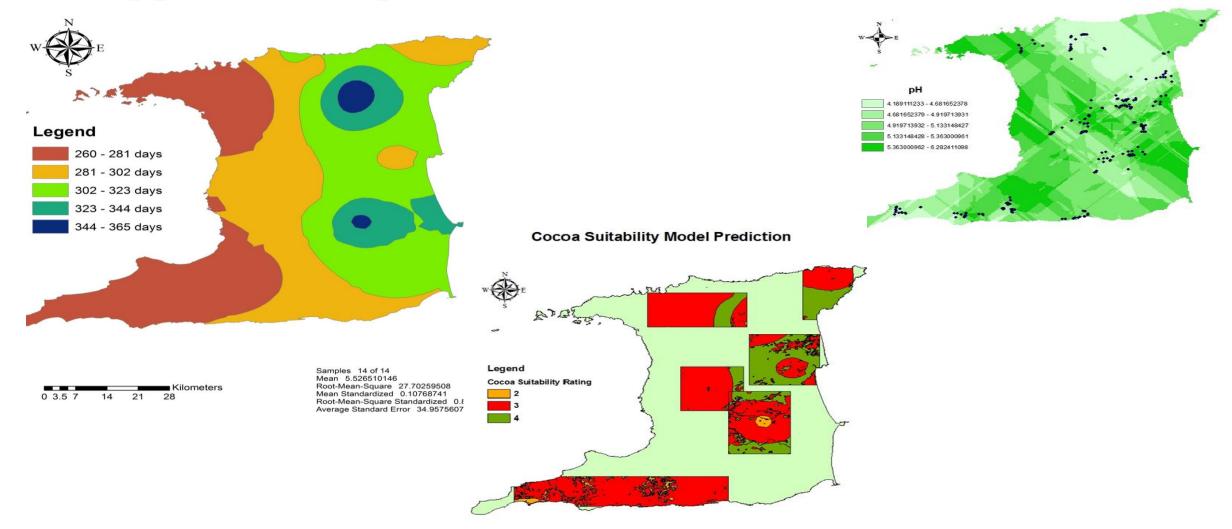
### **Farm-to-fork Demonstration Model**







# Building and information system to support development



#### Farmer Centric Approach: Montserrat Cocoa Cooperative, Grand Couva,

#### FARM

- Organisation of farmers: Cooperative of 35 farmers
- Leadership, entrepreurship
- Farmer led farmer-field schools
- Investment

#### SYSTEMS

- Quality along the value chain
- Branding Geographical indication
- Standards Certification of quality an sustainability
- Traceability

#### VALUE ADDITION & ENTREPRENUERSHIP

- Chocolate
- Beverages
- Soaps

#### MARKETING

- Direct marketing
- Brand development -packaging
- Sharing of success stories

### Production doubled

#### Price fetched tripled

Proportion of value added increasing Employment opportunities





# Acknowledgements

- EU/ACP Science and Technology Fund
- IDB-MIF Fund
- Lindt and Sprungli

Source Street St





MASTER SWISS CHOCOLATIER SINCE 1845



- Economic Development Advisory Board of the GORTT
- Ministry of Agriculture, Land and Fisheries
- Cocoa Development Company of Trinidad and Tobago

- Cocoa Research Association of the UK

