

# **FAO PHYTOSANITARY CAPACITY DEVELOPMENT ACTIVITIES – 2018**

Vyjayanthi (Vyju) Lopez

FAO Sub-Regional Office for the Caribbean (FAO-SLC)

Barbados

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# FAO's Mandate and Goals

Achieving food security for all is at the heart of FAO's efforts - to make sure people have regular access to enough high-quality food to lead active, healthy lives

Our three main goals are:

the eradication of hunger, food insecurity and malnutrition

the elimination of poverty and the driving forward of economic and social progress for all; and,

the sustainable management and utilization of natural resources, including land, water, air, climate and genetic resources for the benefit of present and future generations



# Five Strategic Programmes

**1. Eradicate  
hunger and  
malnutrition**

**2. Make  
agriculture,  
forests and  
fisheries  
more  
productive  
and sustain-  
able**

**3. Reduce  
rural  
poverty**

**4. Enable  
inclusive and  
efficient  
agricultural  
and food  
systems**

**5. Increase  
the  
resilience of  
livelihoods  
to disasters**



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# SUSTAINABLE DEVELOPMENT GOALS



FAO leading

FAO contributing significantly

FAO contributing indirectly



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# Framework for FAO Support

## Country Programming Framework (CPF) (2016-2019):

- developed in close collaboration with Members
- comprehensive situation analysis conducted
- thematic/priority areas for FAO cooperation defined taking into consideration existing program/projects, partnerships, donor agency(s) interventions etc.

## Result:

CPF Matrix, with Action Plan: Implementation,  
Monitoring and Evaluation

New CPF (2020-2023): to be developed in 2019



# Activities during and beyond 2018



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# Plant Prod/Prot Officer Pgm

- ◉ Activities related mainly to SP2 (sustainable production and productivity) and SP4 (sustainable food systems)
- ◉ Plant Production and Protection Officer also serves as focal point for:
  - Gender
  - Food losses and waste prevention & reduction
  - Food Safety





# Ongoing projects – Regional

- ◎ Roots and tubers, including cassava:
  1. GCP/SLC/001/CDB: *Cassava Industry – Market Assessment & Technology Validation and Dissemination* in Dominica, TT and Suriname
    - Capacity building of Extension/Tech & farmers – Training of Trainers and Farmer Field Schools
    - Planter, harvester for mechanization - delivered in Trinidad, Tobago, Suriname.
    - Appropriate equipment identified for Dominica
    - Importation from CIAT of indexed, tissue-culture plantlets of varieties prioritized by countries



# Ongoing projects – Regional

1. GCP/SLC/001/CDB (continued)
  - Training in handling of tissue-culture material, micro- & macro-propagation incl agronomic data collection to characterize imported material
  - For Suriname only:
    - training in field diagnosis & management of suspected frogskin disease
    - brochure (all info will be shared with other countries)
  - Preparation of manuals and factsheets
2. TCP/SLC/3604: Sustainable roots and tubers processing & value chain development (co-finance for the CDB project)











# Ongoing projects – Regional

3. TCP/SLC/3605 - Strengthening quarantine services for plant and animal health in three OECS countries (Dominica, Grenada and St. Kitts and Nevis) – via LOA with CAHFSA
  - Surveys of PQ services – PQ Officers, Immigration & Customs, Ministry of Health etc.
  - Inception mission in GRE, STK in October 2017 (Dominica-May 2018) to share findings, ID gaps
  - Training materials prepared to address gaps identified



# Ongoing projects – Regional

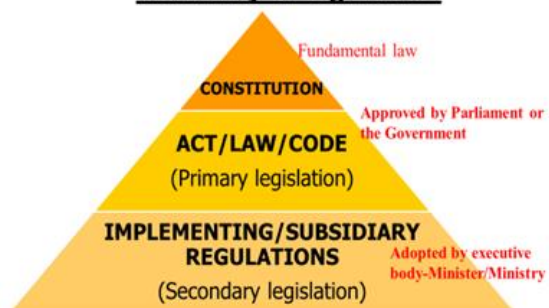
## 3. TCP/SLC/3605 (continued)

- Training activities completed in GRE, STK in April 2018; to be done in DMI in last quarter of 2018
- Preparation of pest / disease factsheets (~10 per country)
- Production of Reference Manuals based on international standards (+ short Quick Reference (QR) version)





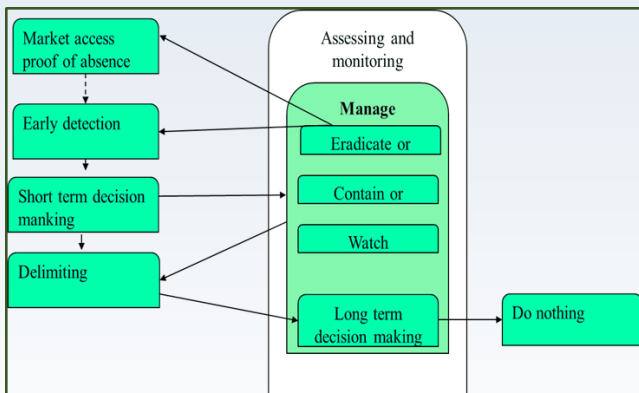
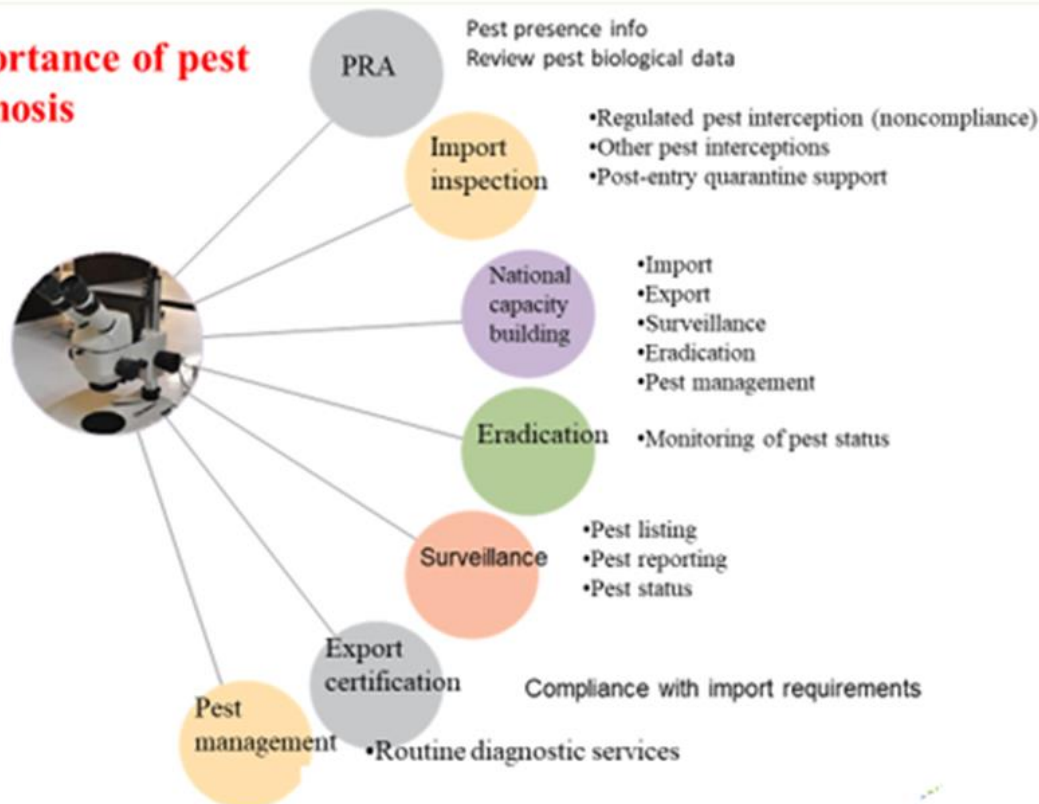
## Hierarchy of legislation



TCPI/SLC/3605  
ST KITTS AND NEVIS WORKSHOP  
MARCH 19-21, 2018



## Importance of pest diagnosis



# Ongoing projects – National

- 4. TCPF/ANT/3601: technical assistance to small farmers – climate-smart technologies:
  - affordable irrigation systems to increase production and productivity
  - testing of ginger and seeds of newer varieties for performance incl against pests and diseases
  - ⊙ Two-day training of farmers in integrated production and protection - Nov 2018
  - ⊙ Field demonstrations established and hands-on farmer training continuing into 2018







# Ongoing projects – National

## 5. TCP/BAR/3601 – c1 - Technical Assistance for Strengthening Sanitary & Phytosanitary Legislation in Barbados (IICA (SPS), PAHO)

Four bills, 4 regulations prepared, submitted:

- ◉ *The Plant Protection (Amendment) Bill*
- ◉ *The Food Safety and Quality Bill*
- ◉ *The Animal Health and Veterinary Public Health Bill; and*
- ◉ *The Agricultural Health and Food Control Bill*
- ◉ *The Food Safety and Quality (Fishery Products Inspection and Control) Regulations*
- ◉ *The Plant Protection (Import and Transit) Regulations*
- ◉ *The Plant Protection (Export) Regulations.*



# PCE in Barbados

- Starting 2016, IPPC conducted Phytosanitary Capacity Evaluation (PCE) ‘Training of Trainers’
- As a result of using several PCE modules for TCP/BAR/3601 – c1 Barbados was selected for conduct of full PCE
  - Three missions by IPPC Officer (Ms. Sara Brunel) and trained facilitator (Mr. Fitzroy White of Jamaica)
  - Final Report submitted in 2018





# Ongoing National projects

6. *TCP/BAR/3601 (c2): Development of food monitoring & inspection mechanisms in modernization of Barbados' Agricultural Health and Food Control System*
- Barbados Food Inspection system strengthened
    - Preparation of risk-based inspection manual
    - Training of inspectors for (risk-based) domestic food
    - Training of inspectors for (risk-based) imported food
  - Development of sampling capacities for AHFCS
    - Preparation of and training in (a) sampling policy document and (b) annual sampling plan

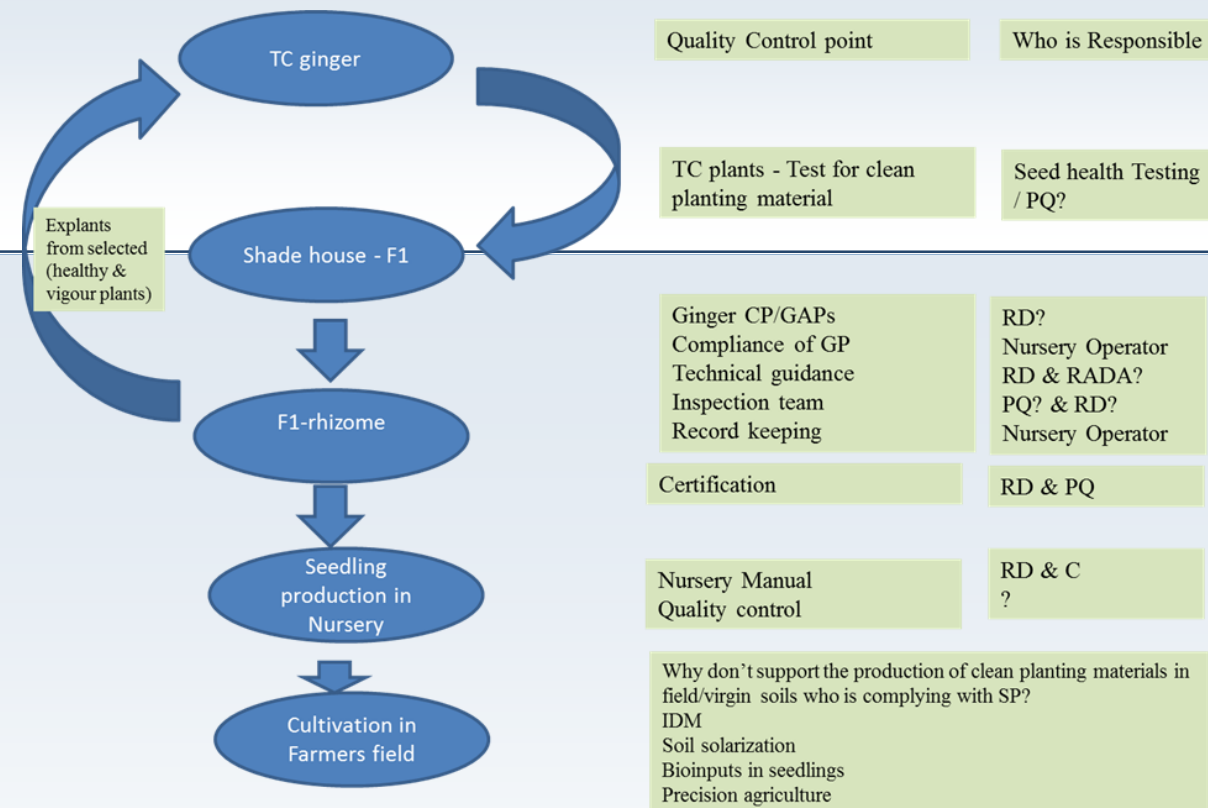




# Ongoing – National

- 7. TCP/JAM/3601: ginger value chain development - production of clean planting material
  - Training in tissue culture lab techniques - 2017  
(Delays in establishment greenhouse facilities)
  - October 2018:
    - Continue training of technical staff: operational and maintenance protocols for plantlets in greenhouse
    - Manual, necessary forms, protocols - F1 rhizomes
  - December 2018:
    - train nursery operators - mass propagation to produce field-ready planting material for farmers
    - Recommend improvements re: certification protocols





# Ongoing – National

8. TCP/DMI/3601: produce clean nursery plants/planting material (SOPs, certification) with pilot nursery demonstration
  - Survey instrument prepared and administered on nursery production practices – August 2017
  - Inception Workshop to share/validate findings and identify gaps - March 2018
  - Hands-on Training Workshop – class-room and hands-on field sessions - August 2018
  - Manuals /SOPs – Oct 2018; factsheets – Dec 2018









# Ongoing projects – National

9. TCP/GRN/3601: Support to Development of the Soursop Value Chain in Grenada
- Value-chain analysis incl production practices
  - Inception/Validation Wkshop – June 2018
  - Implementation of activities – 2018/early 2019



# Ongoing projects – National

10. TCPF/GRN/3602 – C1 - Assistance to Build Extension Capacity in Grenada
- Six new (Extension-related) modules to replace specific modules in existing Agriculture training program of TA Marry Shaw Comm. Col (TAMCC)
  - Roll-out of programme for 21 Extension staff
  - Certification in collaboration with TAMCC and Grenada National Training Agency (GNTA)





# Ongoing projects – National

11. TCP/STK/3601: establishment of training and demonstration centres for backyard and school gardens; nutrition education
  - Inception workshops completed both in St. Kitts and in Nevis – October 2017
  - Procurement of materials completed
  - 80 backyard and school gardeners trained in best practices for crop production
  - 80 backyard and school gardeners trained in concepts of nutrition and better eating habits





# New Reg. /Nat. Projects

12. LOA-CABI - *Supporting innovation in integrated agroecological production systems, youth employment creation and youth engagement in productive processes in Jamaica, Saint Lucia and Trinidad and Tobago*
- National Reports on existing prod systems / national consultations completed
  - D-groups established
  - Webinars – 2 completed, 4 to be done
  - Regional Consultation/UWI Conf - November 2018
  - Preparation of GEF projects with countries (2019)





## FAO's 10 Elements of Agroecology

|   |  |
|---|--|
| <b>Diversity</b>                            | Promoting diversification to ensure food security and nutrition while conserving, protecting and enhancing natural resources.  |
| <b>Co-creation and sharing of knowledge</b> | Promoting agricultural innovations co-created through participatory processes to better respond better to local challenges, blending the traditional, indigenous, practical and local knowledge of producers with global scientific knowledge.   |
| <b>Synergies</b>                            | Selectively combining the diverse components of farms and agricultural landscapes to build and enhance synergies, supporting both production and multiple ecosystem services.  |
| <b>Efficiency</b>                           | Promoting innovative agroecological practices that use less external resources, reducing costs and negative environmental impacts.   |
| <b>Recycling</b>                            | Supporting practices that drive the recycling of nutrients, biomass and water, meaning agricultural production with lower economic and environmental costs.  |
| <b>Resilience</b>                           | Enhancing the resilience of people, communities and ecosystems to build a greater capacity to recover from disasters (such as drought, floods or hurricanes, etc.), and to reduce the vulnerability of farmers to economic risk (ex: diversification, moving away from external inputs).   |
| <b>Human and social values</b>              | Protecting and improving rural livelihoods, equity and social well-being by placing a strong emphasis on human and social values, (ex: dignity, equity, inclusion and justice), by putting the aspirations and needs of those who produce, distribute and consume food at the heart of food systems, and also addressing inequalities by creating opportunities for women and youth. |
| <b>Culture and food traditions</b>          | Supporting healthy, diversified and culturally appropriate diets to contribute to food security and nutrition while maintaining the health of ecosystems.  |
| <b>Responsible governance</b>               | Implementing responsible, transparent, accountable and inclusive governance mechanisms at different scales – from local to national to global.   |
| <b>Circular &amp; solidarity economy</b>    | Seeking to reconnect producers and consumers through a circular and solidarity economy that prioritizes local markets, supports territorial development, providing innovative solutions for living within our planetary boundaries.  |



# New Reg. /Nat. Projects

13. TCP/BAR/3702 - *Protocols for the Conservation and Propagation of Sweet Potato Planting Material through tissue culture*
- Approved in August, discussions held with MAFS focal points in September 2018
  - Implementation - Oct 2018 (via LOA with CIP?)
    - An improved TC plantlet production system for SP
    - Increased availability of clean planting material to farmers
    - Increased awareness and capacities among SP farmers for maintaining and utilizing disease free (clean) SP planting material for sustainable crop production



# Strengthening Regional Coordination



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# CPHDF, CAHFSA, IPPC/IICA

- ◎ Support to CPHD Forum / TWG Meetings
  - participation of Plant Production and Protection Officer and Cuba at CPHD / TWGs
  - funding for Barbados / OECS participants
- ◎ LOA with CAHFSA for a two-day technical workshop at CPHD Forum in 2018
- ◎ LOA with IICA - support to the IPPC sub-regional workshop (17-19 September 2018)



# CGPC

## 14. Support for Pesticides-related activities

- ◉ GCP-INT-153-EC - *Capacity Building related to Multilateral Environmental Agreements (MEAs) in African, Caribbean and Pacific (ACP) countries – Caribbean component* – in collaboration with CGPC, CARICOM Secretariat, regional partners:
  - Contribute to GEF project (Regional meetings / training)



# Pesticide-related projects – 2

## ◉ GEF Project - GCP/SLC/204/GFF

Full-size project *Disposal of Obsolete Pesticides incl POPs Promotion of Alternatives and Strengthening Pesticides Management in the Caribbean* approved  
Total : USD **21,512,913**; GEF: **4,357,500**; Duration: **4 yrs**

Participating countries: Antigua & Barbuda, Barbados, Dominica, Dom. Republic, Guyana, Jamaica, St. Kitts and Nevis, Saint Lucia, St. Vincent and the Grenadines, Suriname, and Trinidad and Tobago





# GCP/SLC/204/GFF

- i. Safe disposal of POPs/other obsolete pesticides /PCBs.  
USD 2,400K
- ii. Technology transfer of methodologies for identification and remediation of contaminated sites. USD400K
- iii. Development of systems for the management of empty pesticides containers USD400K
- iv. Strengthening the regulatory framework & institutional capacity for sound management of pesticides USD250K
- v. Promotion of alternatives to chemical pesticides  
USD400K
- vi. Monitoring and Evaluation USD300K



## Countries & quantities of obsolete pesticides removed:

| Country                       | Quantity (Kilograms) |
|-------------------------------|----------------------|
| Antigua and Barbuda           | 1,249                |
| Barbados                      | 10,208               |
| Dominica                      | 567                  |
| Dominican Republic            | 40,419               |
| Guyana                        | 21,312               |
| Jamaica                       | 34,911               |
| Saint Kitts and Nevis         | 12,773               |
| Saint Lucia                   | 9,305                |
| St Vincent and the Grenadines | 4,253                |
| Suriname                      | 96,235               |
| Trinidad and Tobago           | 87,564               |
| <b>Total</b>                  | <b>318,796</b>       |

# Activities for 2017/18

- ⦿ Continued assessments of contaminated sites
- ⦿ LOA UWI (TT / JAM)
  - Tech Transfer - Remediation of Contaminated Sites
  - Alternative methods pest mgement to replace HHPs
- ⦿ Use of FAO Pesticides Registration Toolkit
  - Assessment of registered lists of pesticides to determine HHPs from 5 countries
  - Evaluation of pesticides for Registration
- ⦿ Initiated a pilot for empty container mgmt. in ANT, SUR (LOA with PAN-UK)







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# Activities for 2018/19

- ⦿ Work with BCRC -TT to verify PCBs inventory from ANT, BAR, TT and SUR, for removal and destruction by December 2018
- ⦿ LoAs with UWI (TT and JAM):
  - Remediation of contaminated sites
  - ID of alternatives to pests and disease mgmt
- ⦿ Continue promotion of FAO toolkit; encourage harmonized evaluation of pesticides for registration



# Activities for 2018/19

- Other countries to use FAO Toolkit to ID HHPs on registered lists - phase out of HHPs via:
  - ban (restrict)
  - alternatives
  - administrative procedures
  - engineering methods
  - proper use of PPE
- Expand empty pesticide container mgmt practices to all agricultural districts in SUR and ANT, and other project countries to conduct similar studies with stakeholders





# Other activities



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# Food losses and waste

- ⦿ PHL / reduction under ongoing projects
- ⦿ Four Manuals on Reduction of PHL finalized: cassava, mango, onions and cole crops (cabbage, cauliflower, broccoli)
- ⦿ Jamaica (global project on food losses and waste reduction)
  - Validation workshop held in November 2017
  - Report: Current Status of FLW, with a Strategy for reduction, submitted early in 2018



# Mainstreaming Gender

- FAO Policy on Gender Equality is to provide FAO with a framework for guiding its efforts to achieve gender equality in all its technical work, and for assessing results
- The goal of FAO's Policy on Gender Equality is to achieve equality between women and men in sustainable agricultural production and rural development for the elimination of hunger and poverty





# Ongoing projects – Regional

15. TCP/RLA/3609 - project on Pulses in B'dos, Guyana, Jamaica and Trinidad & Tobago to promote production, consumption and marketing of local legumes
- Catalogue of 3 local legumes (LOA with CARDI)
  - Several capacity building activities
  - Obtained and distributed certified pigeonpea seed from the Dominican Republic to Barbados, Jamaica and Guyana.



Thank You