#### Promoting IT solutions for surveillance and pest reporting – Standards and Trade Development Facility (STDF) Quarantine Regulators Meeting

#### May 2021

#### Presenter:

Carol Quashie-Williams, Department of Agriculture, Water and the Environment, Australia  
and Roshan Khan, World Trade Organization, Switzerland

**Introduction**

The “Promoting Information Technology (IT) solutions for surveillance and pest reporting” project (aka Surveillance and Reporting Project) promotes best practice in:

* Surveillance - design, planning and implementation
* Efficient data collection
* Management of surveillance information, and
* Evidence-based reporting on pest status
* Funding
* Management

#### Beneficiary countries

Start date: 01/12/2016, end date: extended until early 2022 due to COVID-19

* Cambodia
* Lao PDR
* Malaysia
* Myanmar
* Papua New Guinea
* Philippines
* Thailand
* Vietnam

#### STDF Surveillance Program Workshop

* Day One: STDF Surveillance Program Management and International Surveillance Standards
* Day Two: STDF Surveillance Program Planning, Prioritization and Design
* Day Three: STDF Surveillance Operations and Communication. P-tracker Field Data Collection.
* Day Four: STDF Field Activity (Surveillance Operations and Delivery)
* Day Five: STDF Surveillance Information Management and Reporting

#### Components of a National Surveillance System

A national surveillance system is an integral part of a country's plant health strategy and should contribute to the facilitation of trade.

A national surveillance system should comprise surveillance programmes and the infrastructure and governance to implement them;

* Official (Pre-border, Border, Post-Border)
* Pest Specific (fruit flies, CMD, SALB)
* Commodity Specific (cassava, citrus, rubber)
* Trade and Market Access Specific (PFA, delimiting)

#### Training: Why do surveillance?

* Pest-Tracker
* Diagnostics
* Skills in planning and implementing pest surveillance for trade and biosecurity objectives

#### Surveillance Equipment Provided

* Hand-held smartphone devices (iPad or iPhone) to record field surveillance data using a P-tracker GeoJot+ app;
* Laptop with Surveillance Information Management System (SIMS) for importing surveillance data

#### GeoJot+ Field Data Collection App

* An app that collects GPS, photos and field data and generates reports
* GeoJot+ license fees provided by project

#### Surveillance Information Management System (SIMS) – a Microsoft Access product

* Data Collection (Surveillance) using P-tracker
* Data Consolidation
* Data Verification (QC)
* Data Management
* Data Analysis and Interrogation (Reporting)

#### Surveillance Manuals Provided

* Guidelines for surveillance for plant pests in Asia and the Pacific
* Plant Pest Surveillance: a guide to understand the principal requirements of surveillance programmes for national plant protection organizations

#### Important ISPMs-Surveillance

* surveillance
* determination of pest status in an area
* pest reporting

#### All Resources available on the project iPad

* Surveillance Priority Targets Identified
* Plant Products
* Pests and Diseases

#### Project Activities

* Networking and Mentoring
* Surveillance
* Skills in planning and implementing pest surveillance for trade and biosecurity objectives

#### Surveillance Reporting

(screenshots of various charts and reports)

#### Project Challenges 2020-21

* Domestic and International
* Civil Unrest
* Internal Movement Controls
* Steering Committee Meeting Postponed

#### Project Status

* Cambodia: completed project activity, yes; surveillance competency, fully; trainers competent, yes
* Lao PDR: completed project activity, Covid affected; surveillance competency, fully; trainers competent, yes
* Malaysia: completed project activity, Covid affected; surveillance competency, partly; trainers competent, yes
* Myanmar: completed project activity, Covid affected; surveillance competency, fully; trainers competent, yes
* PNG: completed project activity, yes; surveillance competency, fully; trainers competent, yes
* Philippines: completed project activity, yes; surveillance competency, fully; trainers competent, yes
* Thailand: completed project activity, Covid affected; surveillance competency, fully; trainers competent, yes
* Vietnam: completed project activity, yes; surveillance competency, fully; trainers competent, yes

#### Malaysia

Ministry of Agriculture: Tuta absoluta pest surveillance

(Photo showing STDF Aquatic plant surveillance)

#### Malaysia training

Surveillance Webinars: 45-60 minutes. Zoom platform. Recorded.

1. Surveillance Basics
2. Surveillance in Malaysia
3. Report Writing

#### Diversified Learning Aids

* STDF Surveillance Activity Booklet
* Australia’s National Priority Plant Pests cards

#### The Philippines: “Proud and Confident Experts in Surveillance”

Alternative open-source surveillance apps

(Screenshots of various apps)

#### Project Updates

<https://www.standardsfacility.org/PG-432>

<https://youtu.be/ok4jJtaBy1o>

Thank you for listening. Any questions?