IPPC ePhyto Solution

Overview of the functioning of the ePhyto hub and of GeNS and first steps to register to the hub

Josiah Syanda Deputy Director, Phytosanitary Services – KEPHIS IPPC ESG /African Region



Protecting the world's plant resources from p

Food and Agriculture Organization of the United Nations









Presentation Outline

- Introduction
- Functioning of the ePhyto Solution
- First steps to register to the ePhyto Hub









Introduction

- We all know importance of safeguarding our agriculture, forests and environment from invasive species
- Application of ISPMs provides harmonized approach on implementation of global plant health systems
- ISPM 12 provides the framework for NPPOs to communicate the phytosanitary status of a consignment in secure, authentic and verifiable manner



cting the world's plant resources fro

Food and Agriculture Organization of the United Nations











Apple snail – invasive species



ePhyto Solution

Phytosanitary certificate requirements (IPPC Art.V)

- Authenticity verifiable origin and sender
- **Integrity** No interference or alteration after issuing
- Non repudiation the legitimacy of data cannot be denied,
- Its challenging to achieve the above with paper certificates (Bryant Christie Inc. Report 2014)





Food and Agriculture Organization of the United Nations

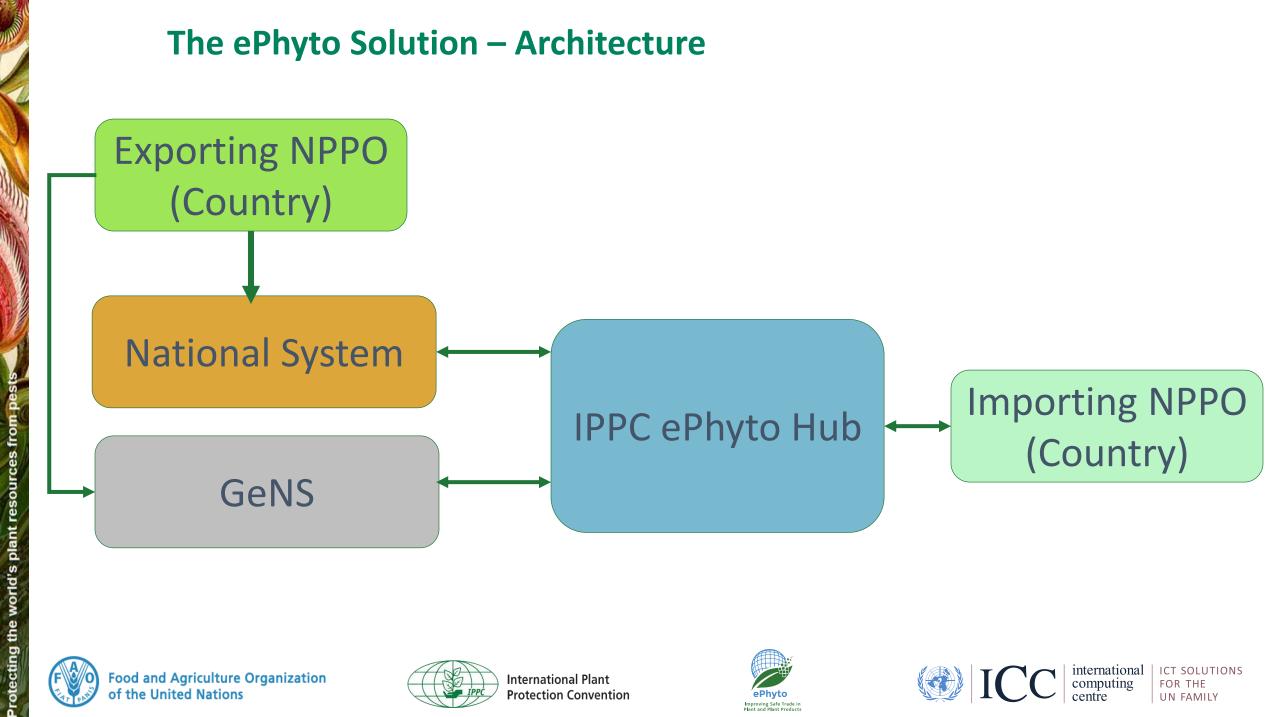




international ICT SOLUTIONS computing FOR THE UN FAMILY

Importing NPO

Inspection



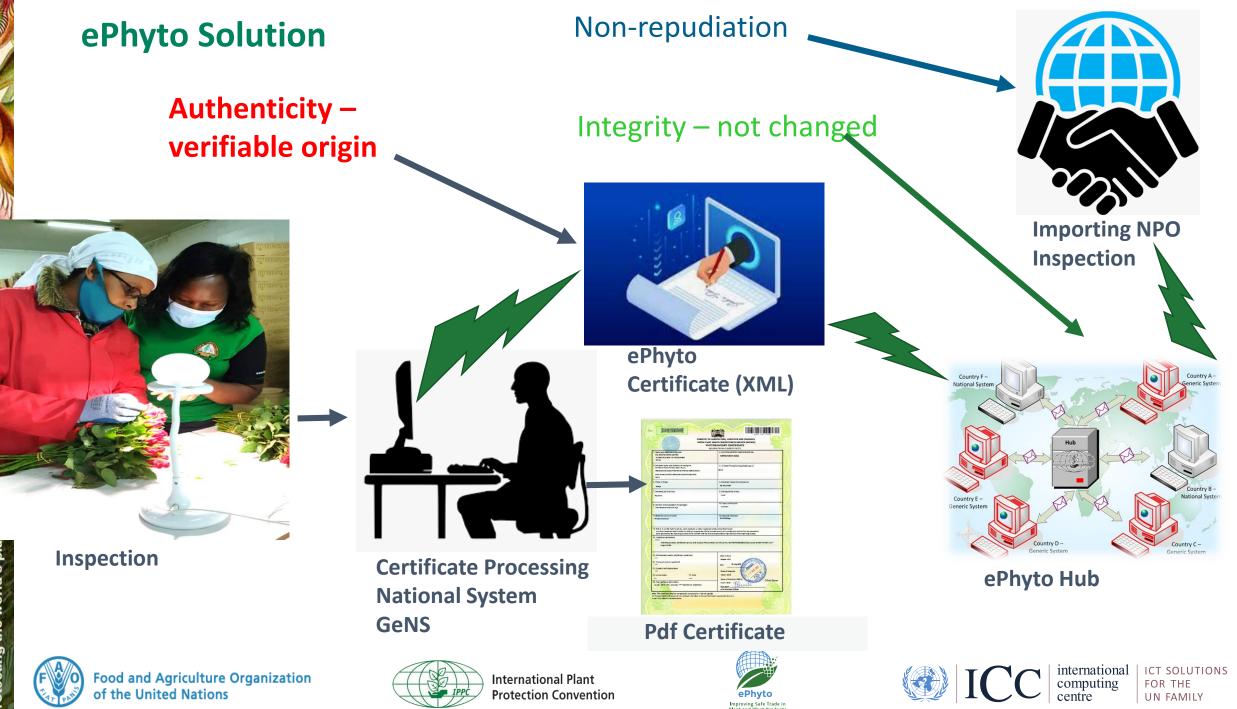


Food and Agriculture Organization of the United Nations









Protecting the world's pla

IPPC ePhyto Solution – First steps to register

Decision - National consideration to adopt ePhyto solution

ePhyto team: Set up an ePhyto team comprising Phytosanitary Inspectors gathered from the various entry / exit points.

Electronic Equipment: Evaluate available equipment tablets, desktops

On-boarding form - Fill the on boarding form and submit to UNICC for set up of the User Acceptance Testing instance

Training and trial run – Training of users and setting up of trail runs



Protecting the world's plant resources from pesi





Benefits of IPPC ePhyto solution

- Low risks of forgery, alteration
- Elimination physical document transmission intermediaries
- Reduced physical movement to collect certificates
- Digital storage hence reduced risk of losing the certificate
- Easier authentication and verification
- **Global harmonization**
- Countries without national systems can use GeNS for ephyto exchange
- System integration and interoperability



Protecting the world's plant resources from pests











Challenges - implementing electronic certification (ePhyto)

- Application of digital technology for information management
- ICT and Phytosanitary staff knowledge gaps harmonizing the two disciplines.
- Systems integration for data exchange Combining information and business processes, border control agencies
- Legal framework
- Infrastructure Computers, software, servers internet



ecting the world's plant resources from pe

Prot







Comments /Questions? Thank you

Josiah Syanda Deputy Director, Phytosanitary Services – KEPHIS IPPC ESG /African Region



Protecting the world's plant resources from p

Food and Agriculture Organization of the United Nations





