IPPC ePhyto Solution

IPPC ePhyto Video
In the beginning...

- **Point-to-point:**
- Directly between National Plant Protection Organizations (NPPOs)
- Had to negotiate separate bilateral arrangements with each country to facilitate exchange
- High costs for establishing (@$40K-120K per connection)
- Annual costs ($20K-100K) for maintaining all the connections
Why ePhyto?

• Inefficient –
  • Labor intensive
  • Highly manual with paper being couriered around the world
  • Data re-entry multiple times
• Re-issuing of paper phytosanitary certificates leads to:
  • Delays
  • Increased costs
  • Loss of commodity
• Mountains of paper are produced, printed, stored, and destroyed annually
Why ePhyto? An example

Non-compliant documents trigger a higher number of rejections than actual plant health issues:

Overview of EUROPHYT interceptions of cut flowers and foliage notified in 2011-2014:

- **2011**
  - Harmful organisms: 236
  - Non-compliant documents: 218

- **2012**
  - Harmful organisms: 392
  - Non-compliant documents: 392

- **2013**
  - Harmful organisms: 245
  - Non-compliant documents: 501

- **2014**
  - Harmful organisms: 183
  - Non-compliant documents: 271

*Source: EUROPHYT & Union Fleurs databases*
International Plant Protection Convention (IPPC) ePhyto Solution

• 3 main components:
  • HUB
    • Centralized system to facilitate exchange between NPPOs
    • Single message format
    • Standardized
  • Generic ePhyto National System
    • Web based system
    • Only requires computer and internet
    • Any participating country automatically connect to Hub exchange
  • Harmonization
    • Ongoing; Leads to further automation
Protecting the world’s plant resources from pests

Hub and GeNS

Countries with National Systems
- China
- United States
- Argentina

UNICC

Countries using the GeNS
- Ghana
- Sri Lanka
- Samoa

Countries using the GeNS

Food and Agriculture Organization of the United Nations

International Plant Protection Convention
Improving safe trade in infants and plant products
Argentina – ePhyto
Paper Representations
Argentina (paper version)

Argentina (ePhyto)

Standardized format leads to easier document review.
Recent Highlights

• G-20 Agriculture Ministers endorsed the IPPC’s efforts on ePhyto
• HUB fully operational since June 2018
  • Argentina, Chile, Netherlands, New Zealand, and United States are using the HUB
  • 27 other countries in various stages of connecting
• Generic ePhyto National System (GeNS) pilot began in Fall 2018
  • Sri Lanka, Samoa, and Ghana
  • Official go-live date July 15, 2019
• Workshops on ePhyto in Latin America (18 countries represented) and Asia Pacific (28 countries represented) – total of 75 representatives trained on ePhyto
• Training workshop for the Western Caribbean nations – total of 35 representatives trained on GeNS
• In September – providing training to Samoa on GeNS; attending the Pacific Plant Protection annual meeting in Fiji – estimated 70 representatives trained on ePhyto
• Early industry case studies (9)
  • Time savings: 1-2 hours up to 1-2 days; Cost savings: $25-100 per shipment
Planned 2020 Activities

• HUB
  • Facilitate the other 27 countries in various stages of connecting to the HUB

• Generic ePhyto National System (GeNS)
  • Continue to facilitate participation in the GeNS
  • Facilitate/host training workshop for representatives from 40 Africa nations (November 2019)

• Continue development of PCIT to support Customs and Border Protection’s ability to view ePhytos

• Continue development of HUB to facilitate industry’s receipt of ePhytos

• Continue industry case studies
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