

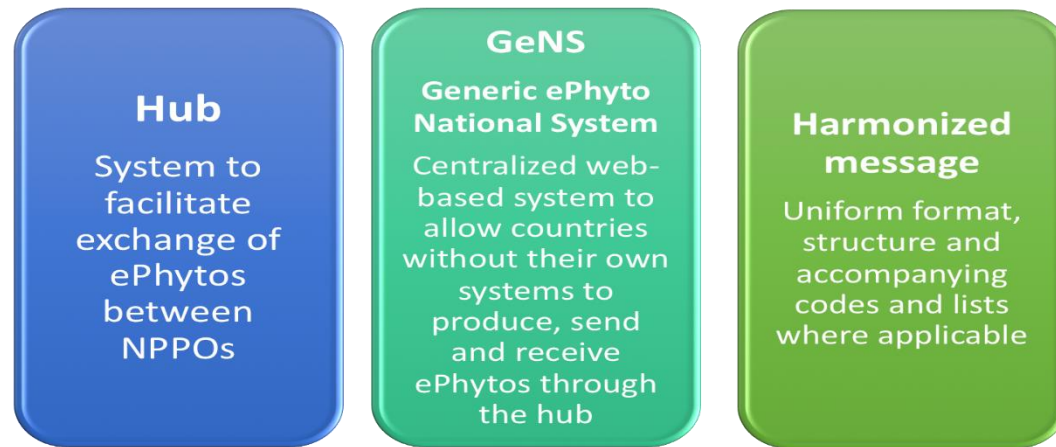


The IPPC ePhyto Solution

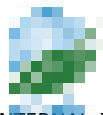
January 2022

OVERVIEW OF THE IPPC EPHYTO SOLUTION

- “ePhyto” is short for **electronic phytosanitary certificate**. In simple terms, it is the data contained in a phytosanitary certificate in digital form.
- The IPPC ePhyto Solution consists of:



- The IPPC ePhyto Solution **meets the requirements** of International Standard for Phytosanitary Measures (**ISPM**) **12 Appendix 1** and
- Helps countries comply with Articles 7.9 (release of perishable goods) and 10.1 (simplifying formalities and documentation requirements for cross-border trade) of the **Trade Facilitation Agreement** of the World Trade Organization.



Food and Agriculture Organization
of the United Nations



International
Phytosanitary
Certification



IPPC



WTO

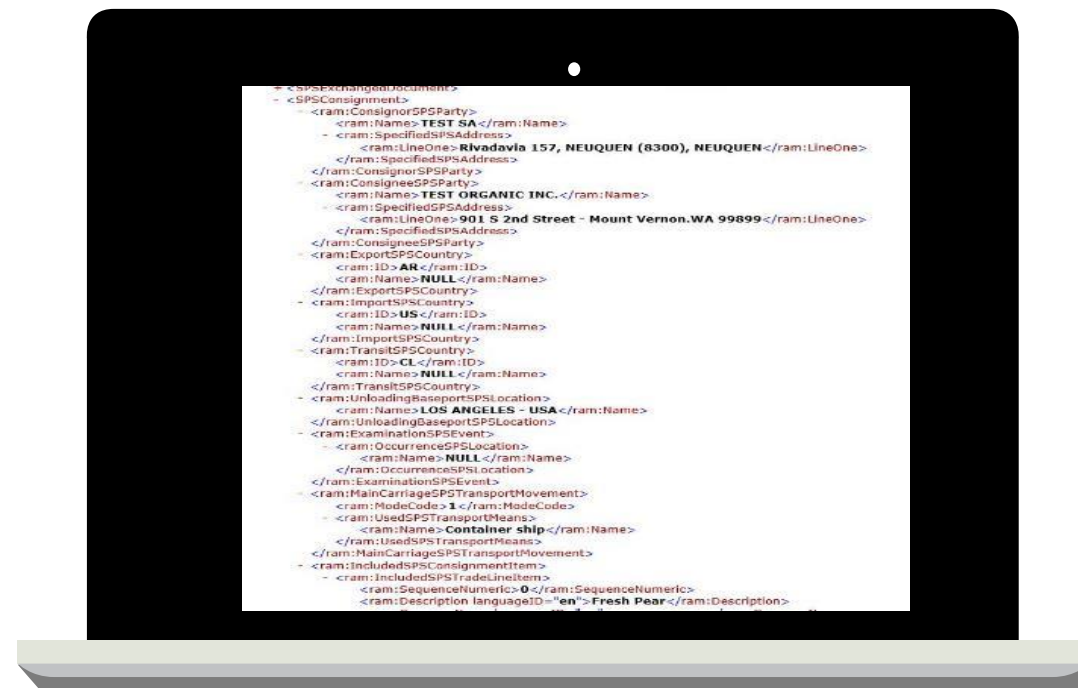
ePhyto is the electronic equivalent of a paper phytosanitary certificate (ISPM 12)



NOT a paper certificate, but they can be printed



NOT a scanned certificate.



Food and Agriculture Organization
of the United Nations



Regional Office for the Americas

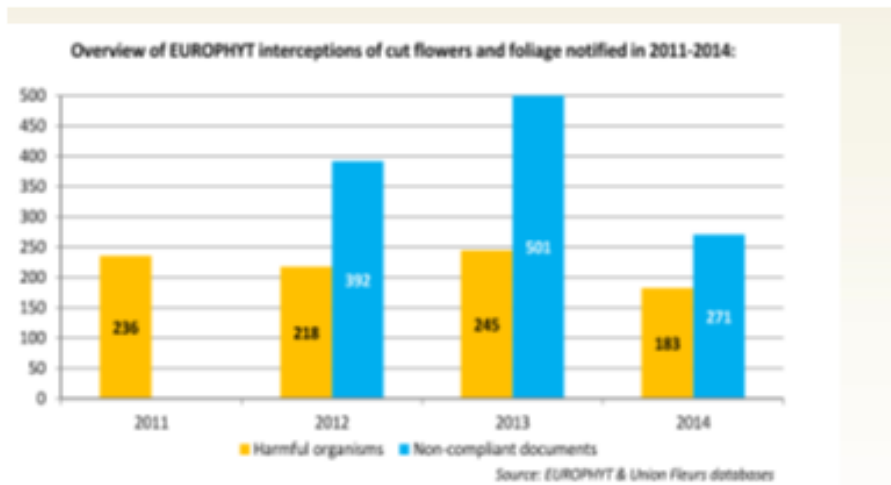


IOCC



Why ePhyto?

- Inefficient processes in place - labor intensive and highly manual with physical paperwork being couriered around and often re-entered
- Millions of emails sent – in the grains industry alone more than 275 million emails are sent annually to process the estimated 11,000 shipments of grain transported on the ocean worldwide
- Any re-issuing of paper phytosanitary certificates has a tremendous cost for business
- Time and money
- Deterioration of commodities waiting for clearance
- Customer claims for late deliveries or bad quality
- Mountains of paper, a lot of it expensive paper, are produced, printed and stored or destroyed on an annual basis



Non-compliant documents trigger a higher number of import rejections than actual plant health issues (harmful organisms)



Food and Agriculture Organization
of the United Nations



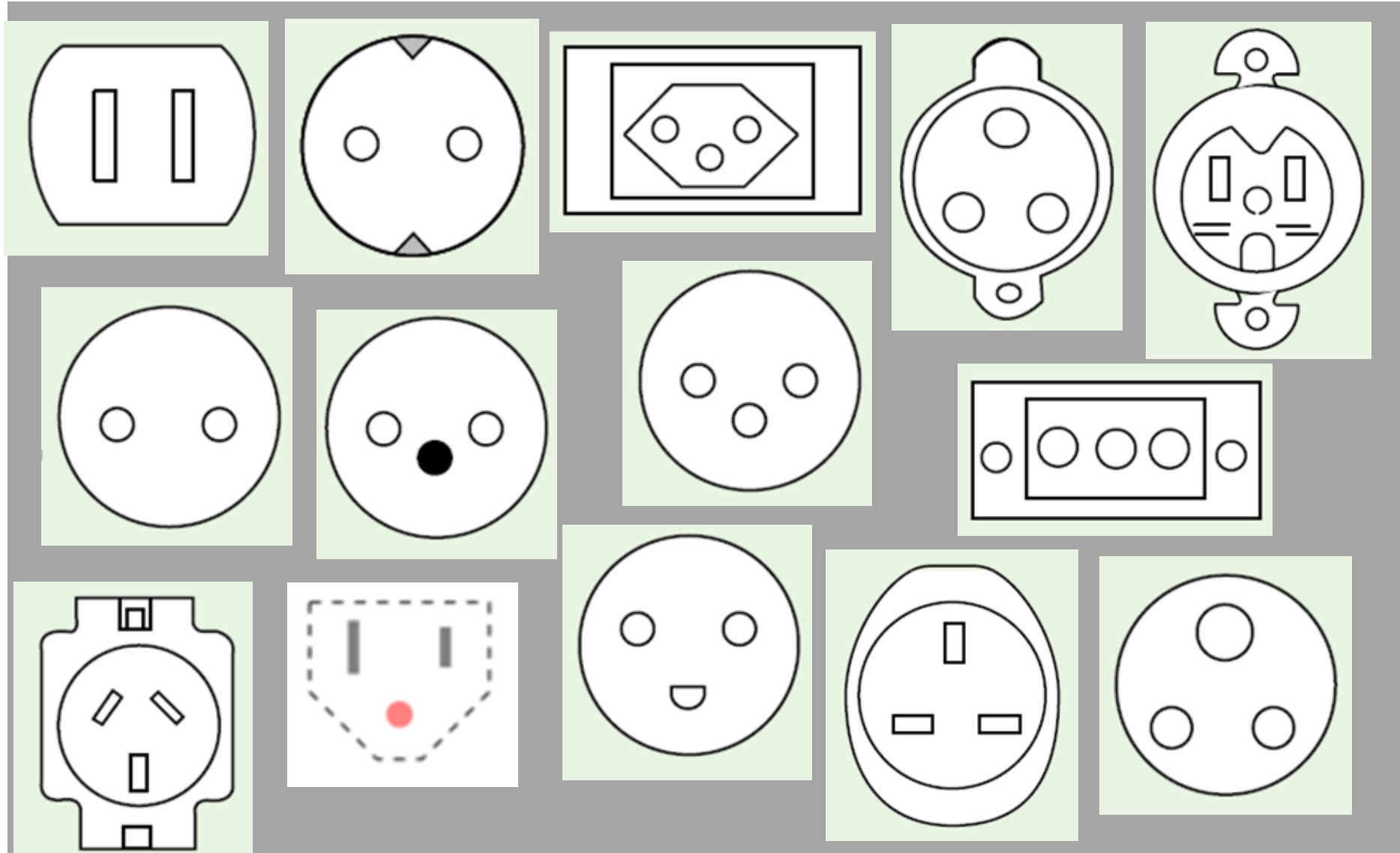
International Plant
Protection Convention



ICC

international
computing
centre

ICT SOLUTIONS
FOR THE
UN FAMILY



**Food and Agriculture Organization
of the United Nations**



**International Centre for the Study of the
Preservation and Restoration of Cultural Property**



HUB Overview

Centralized system to facilitate exchange of ePhytos between NPPOs

A National system(s) or the Generic National System (GeNS) communicates with the hub

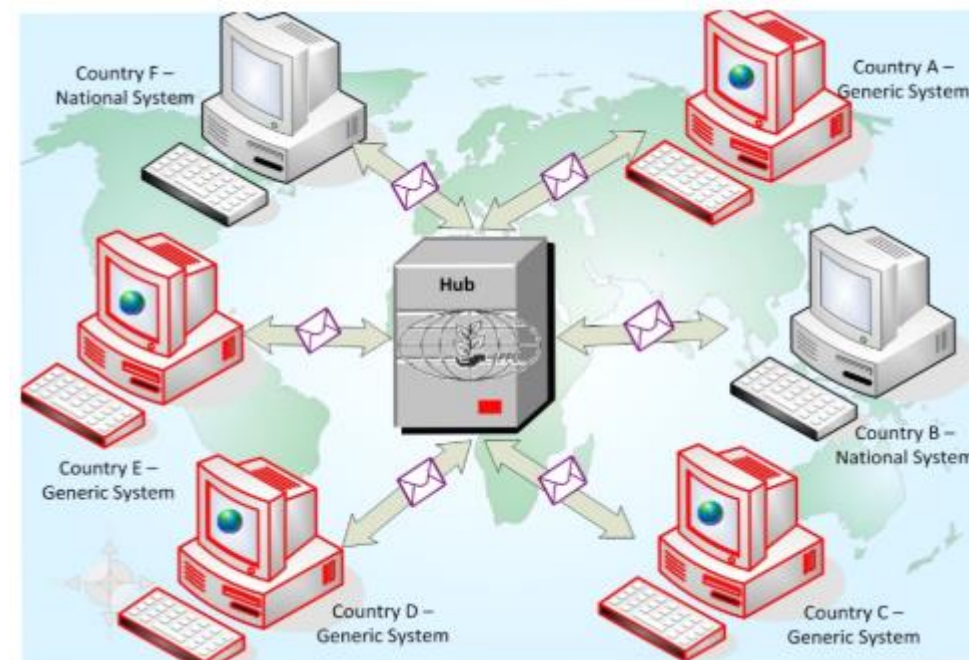
- Pushes certificates to the hub
- Receives certificates from the hub by push or pull

Hub components

- Administration Interface
- Web Service

Prescribed rules of connection

Defined structure/codes/terms for the XML message.



Food and Agriculture Organization
of the United Nations



International Chamber of
Commerce



HUB – Business Rules

- ✓ Use of the Hub is voluntary
- ✓ The Hub is a single, multilateral system
- ✓ The Hub will be available 24/7 (secure and monitored)
- ✓ No information (messages, transactions) should be lost
- ✓ There is a single exchange protocol
- ✓ The IPPC determines the version of UN/CEFACT schema
- ✓ Participating countries will require a National System to exchange ePhyto through the Hub or use the Generic system



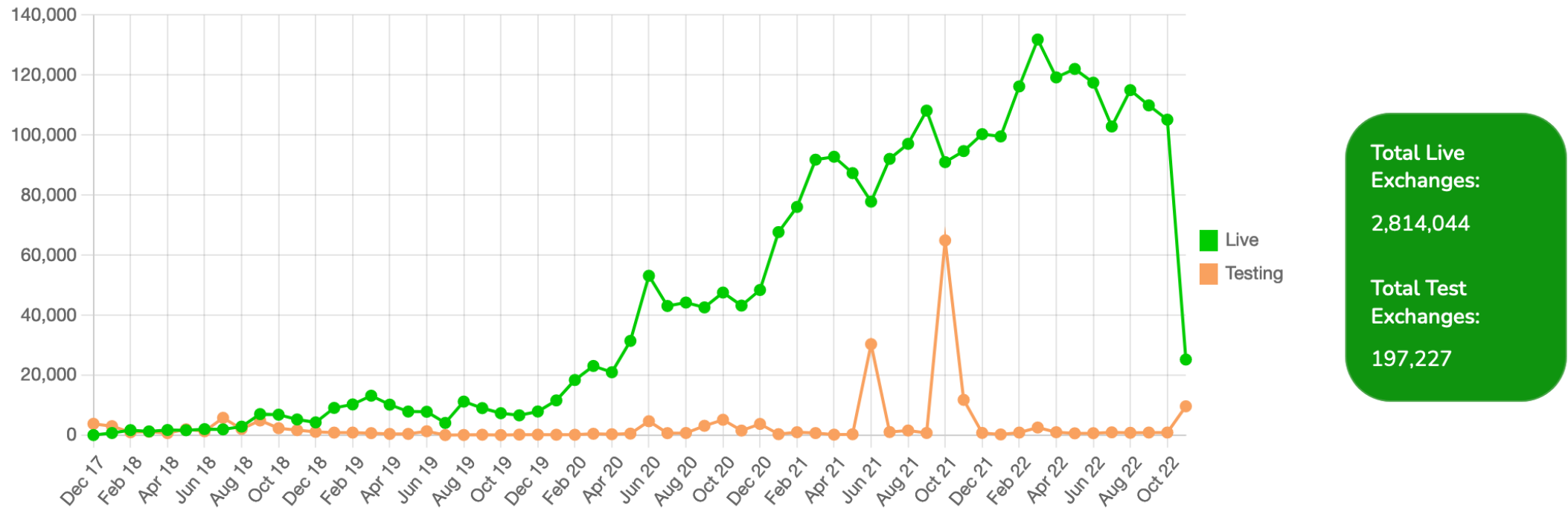
Food and Agriculture Organization
of the United Nations



International Plant Protection Convention



Summary of the certificates successfully exchanged through the HUB



Additional information and highlights

- The value of plant exports from ePhyto participants increased sharply at the onset of the Covid-19 pandemic, with the value increasing by 225 percent between January and February 2020 (from 1 billion USD in January to 3.2 billion USD in February 2020)
- With an acceleration in the use of ePhytos in 2020/21, the value of plant exports from ePhyto participants grew by 682 percent from 1 billion USD in January 2020 to 7.8 billion USD in December 2021.
- The value of plant product exports from countries that issue ePhyto certificates has also increased significantly, with over 4.8 billion USD recorded in 2018 to over 79 billion USD by the end of 2021.
- In 2021 only 10.6 percent of the value of plant exports requiring phytosanitary certifications was covered by the ePhyto solution, meaning there is scope for expanding country participation in the use of ePhyto



Food and Agriculture Organization
of the United Nations



International Plant
Protection Convention



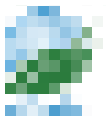
ICC

international
computing
centre

ICT SOLUTIONS
FOR THE
UN FAMILY

FUTURE PLANS

- CPM Focus Group on Sustainable Funding for ePhyto
 - Aim to present short, medium, and long term solutions to CPM-17 (2023)
- Translation into other languages (GeNS)
 - French and Arabic versions are live
- Routine maintenance and enhancements
 - Channel enhancements
 - ePayments
- Continued collaboration with non-phytosanitary agencies/organizations (OIE/Codex/Others)
 - NPPO workshops with the ePhyto Industry Advisory Group (IAG)
 - Ongoing projects with the Global Alliance for Trade Facilitation and World Bank
- Linkage to other government systems (Single Windows, Customs, ASYCUDA, Industry etc.)



Food and Agriculture Organization
of the United Nations



United Nations
Environment Programme



Remaining Challenges

- Some countries still want to establish bilateral exchanges only
- Lack of resources to support coming onboard (equipment, personnel)
- Lack of political will in senior leadership
- Some countries are developing their own national systems and prefer to wait to connect via those systems to the Hub



Food and Agriculture Organization
of the United Nations



International Plant
Protection Convention



ICC

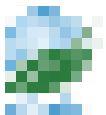
international
computing
centre

ICT SOLUTIONS
FOR THE
UN FAMILY

COLLABORATION

The IPPC Secretariat is working with a number of international organizations and groups to make the ePhyto Solution a trade facilitation tool for any country (or organization) wishing to use it. These include:

- The Global Alliance for Trade Facilitation of the World Economic Forum
- The ePhyto Industry Advisory Group
- The Standards and Trade Development Facility
- The World Bank and International Finance Corporation
- The World Customs Organization



Food and Agriculture Organization
of the United Nations



International Chamber of Commerce



Phyto Solutions
Case Stories
HOME
HUB
GeNS
HARMONIZATION
CONTACT

Argentina
 Fiji
 Jamaica
 New Zealand
 Uganda
 USA
 Uzbekistan
 Republic of Korea
 Sri Lanka
 Costa Rica
View all

Select the status
All

HUB Connections
112

GeNS Systems
44

Exchanging
Testing
Registered

HOW DOES ePhyto HELP YOU?

ePhyto is short for "electronic phytosanitary certificate". The IPPC ePhyto Solution is a tool that transition paper phytosanitary certificate information into a digital phytosanitary certificate or "ePhyto". This electronic exchange between countries makes trade safer, faster and cheaper.

GET IN TOUCH

HUB

A system to facilitate the exchange of ePhytos between National Plant Protection Organizations (NPPOs)

KNOW MORE

GeNS

A centralized web-based system that allows countries without their own system to produce, send and receive ePhytos through the HUB

KNOW MORE

Harmonization

Harmonized and standardized approach to format, structure, and codes (where applicable) in the certificate exchange process.

KNOW MORE

IPPC ePhyto Solutions

International Plant Protection Convention Secretariat (IPPC) Viale delle Terme di Caracalla 00153 Rome, Italy.

TWITTER FEED

Tweets from @ippcnews

IPPC | International Plant Protection Convention Retweeted

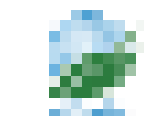
FAO Knowledge @FAOKnowledge · 3h

From tomorrow to 4 November, @FAO is organizing the first-ever Global Conference on Sustainable Plant Production with the themes #innovation, #efficiency and #resilience!

Find out more and register bit.ly/3eiGNtz

www.ephytoexchange.org

How to join, technical documentation, case studies and other information.



Food and Agriculture Organization
of the United Nations



International Plant Protection
Convention



Thank you for your attention!!



Food and Agriculture Organization
of the United Nations



International Plant
Protection Convention



ICC

international
computing
centre

ICT SOLUTIONS
FOR THE
UN FAMILY