



Food and Agriculture
Organization of the
United Nations



International
Plant Protection
Convention



Overview of the IPPC ePhyto Solution

Webinar on ePhyto in Azerbaijan – 30 July 2024

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What is an ePhyto?

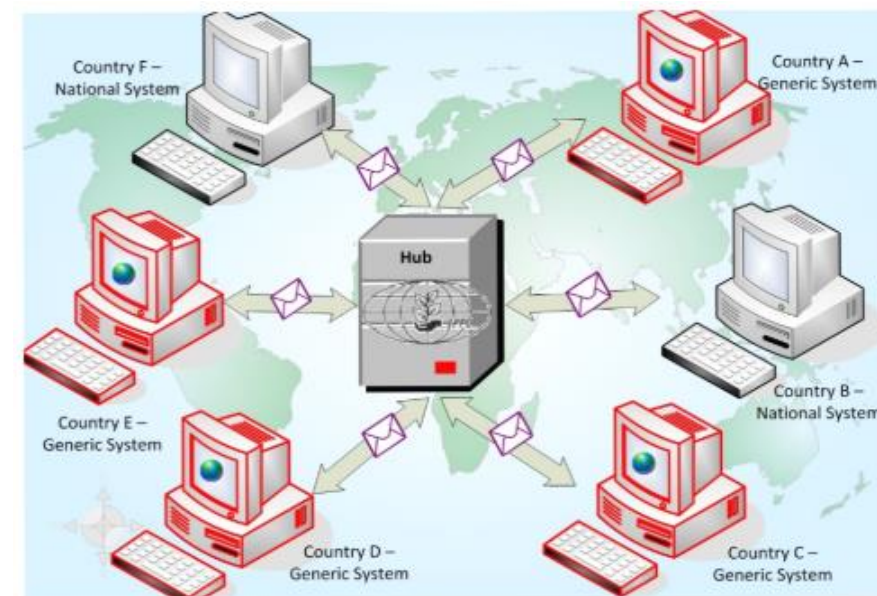
- **ePhyto** = electronic phytosanitary certificate
- **Electronic equivalent of a paper phytosanitary certificate**
- Requirements of ISPM 12 apply
- May be issued where accepted by the importing country
- Not a scanned certificate



Overview of the IPPC ePhyto Solution

What is the IPPC ePhyto Solution?

- **Hub:** a central server to facilitate exchange of ePhytos between NPPOs
- **GeNS:** centralized web-based system to allow countries without their own IT system to produce, send and receive ePhytos through the Hub
- **Harmonization:** harmonized message with uniform format, structure and accompanying codes and lists



ICC

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ICT SOLUTIONS
FOR THE
UN FAMILY

Why ePhyto?



















Paper

versus

ePhyto

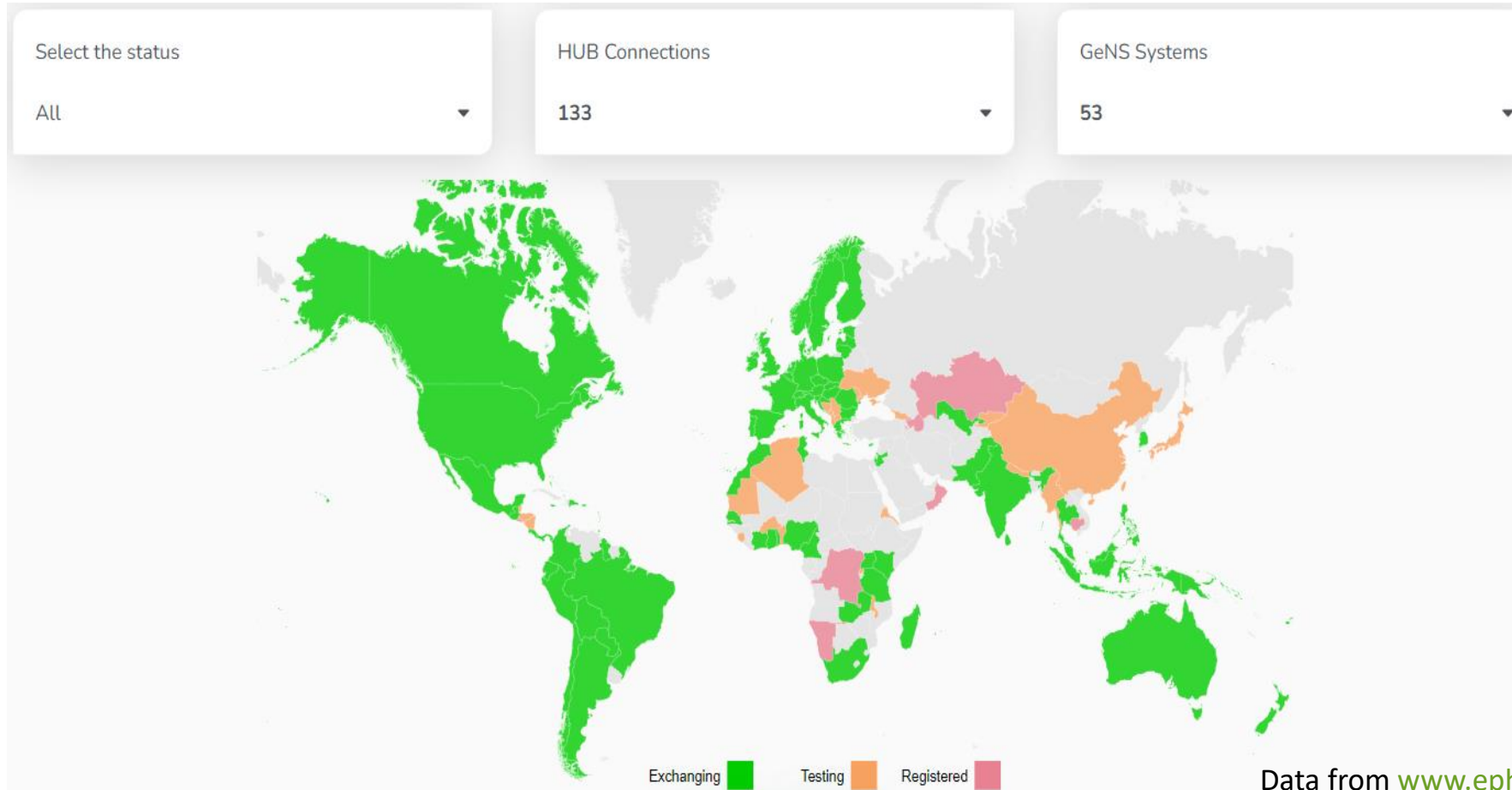


-  Signature, stamp can be falsified
-  Damaged
-  Lost
-  Handled by numerous parties
-  Costly re-issuance
-  Deterioration of commodities waiting for clearance
-  Problem of "original certificate" and copies
-  More problems with non-compliant documents than actual plant health issues

-  Very difficult to falsify
-  No deterioration
-  Bring with you as many as you want, accessible everywhere
-  Easy to circulate
-  Easy re-issuance
-  Faster clearance
-  No problem of obtaining "officially certified copies"
-  Less non-compliant documents thanks to harmonization

Overview of the IPPC ePhyto Solution

Status of ePhyto implementation worldwide



**133 countries
on board**

Exchanging: 90 (29 GeNS)

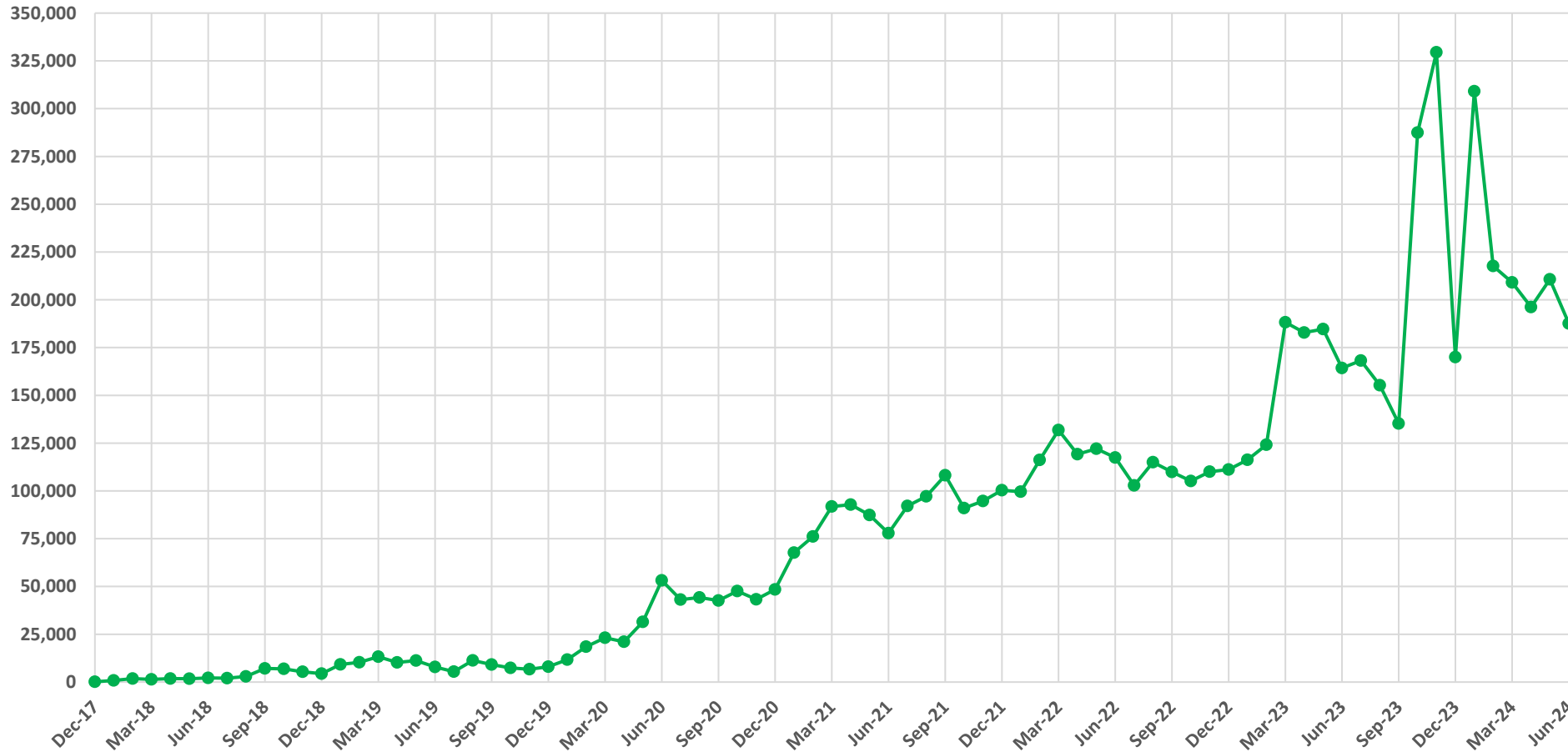
Testing: 34 (19 GeNS)

Registered: 9 (5 GeNS)

TOTAL: 133 (53 GeNS)

Overview of the IPPC ePhyto Solution

Number of ePhytos successfully exchanged through the Hub



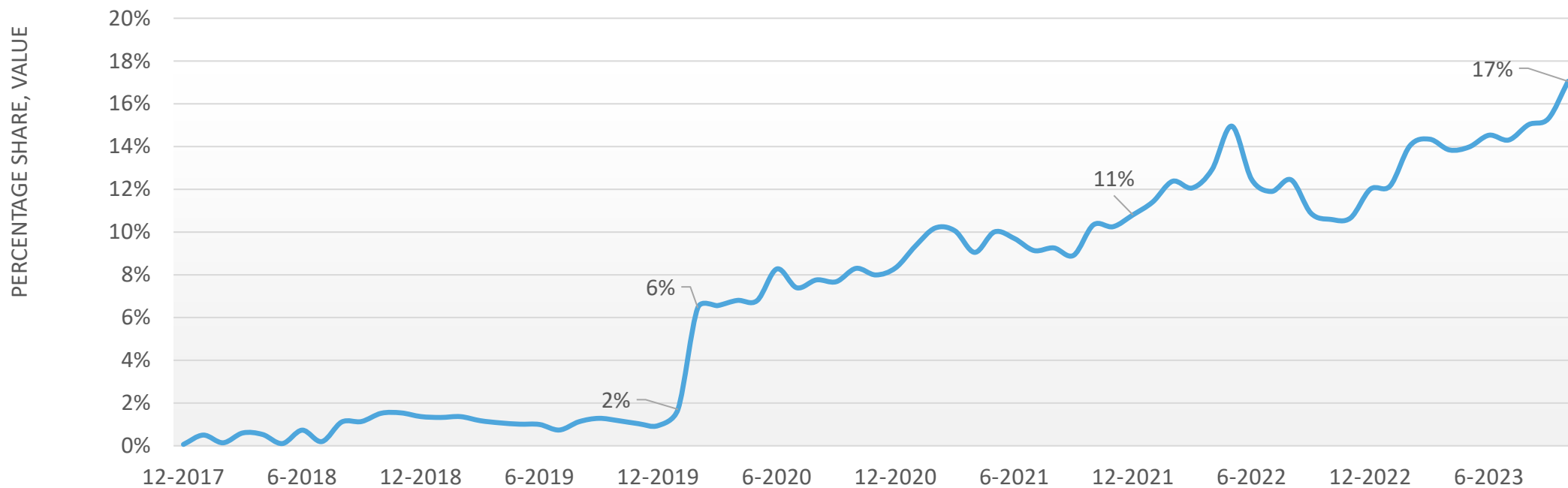
Total live
exchanges:
6,550,842

Data from www.ephytoexchange.org as per 30 June 2024

ePhyto and global trade

Steady increase of plants and plant products exports accompanied by ePhytos

Figure 1: Share of plants and plant products exports of ePhyto exporters in total plants and plant products exports, %



Source: FAO's CFI & EST

Global Alliance study in Morocco in 2022: ePhyto Time/Cost impact assessment



- Results from a study: IPPC ePhyto Solution has a significant impact among Moroccan operators
- Comparison of paper-based and electronic system for time/cost:
 - To obtain a phytosanitary certificate (phytosanitary request process)
 - To replace a rejected certificate (replacement certificate process): profit losses from spoilage and product depreciation, cost of sending documents, cost of penalties for late delivery, storage costs
- Total savings with ePhyto are estimated to be USD 37.4M and USD 43.2M for 2020 and 2021

<https://www.tradefacilitation.org/project/measurable-agri-food-trade-efficiencies/>

Current and future developments

- Maintenance and enhancements of the Hub & GeNS
 - Channel enhancements: linkage to other government systems
 - eSeal for consignments sent to the EU
 - eBilling with the GeNS operational
 - GeNS available in Arabic, English, French, **Russian and Spanish**
- ePhyto cost-benefit analysis along with ePhyto impact study on global trade
- Seeking long-term funding: funding model endorsed at CPM-18 as a transitional pilot, voluntary contribution
- NPPO workshops with the ePhyto Industry Advisory Group (IAG)
- Ongoing projects with the Global Alliance and World Bank for country support

Overview of the IPPC ePhyto Solution

Partnership/Collaboration

- Regional Plant Protection Organizations and regional institutions/programmes

- Global Alliance for Trade Facilitation of the World Economic Forum



- The Standards and Trade Development Facility



- The World Bank and International Finance Corporation



- World Customs Organization



- ePhyto Industry Advisory Group (IAG)



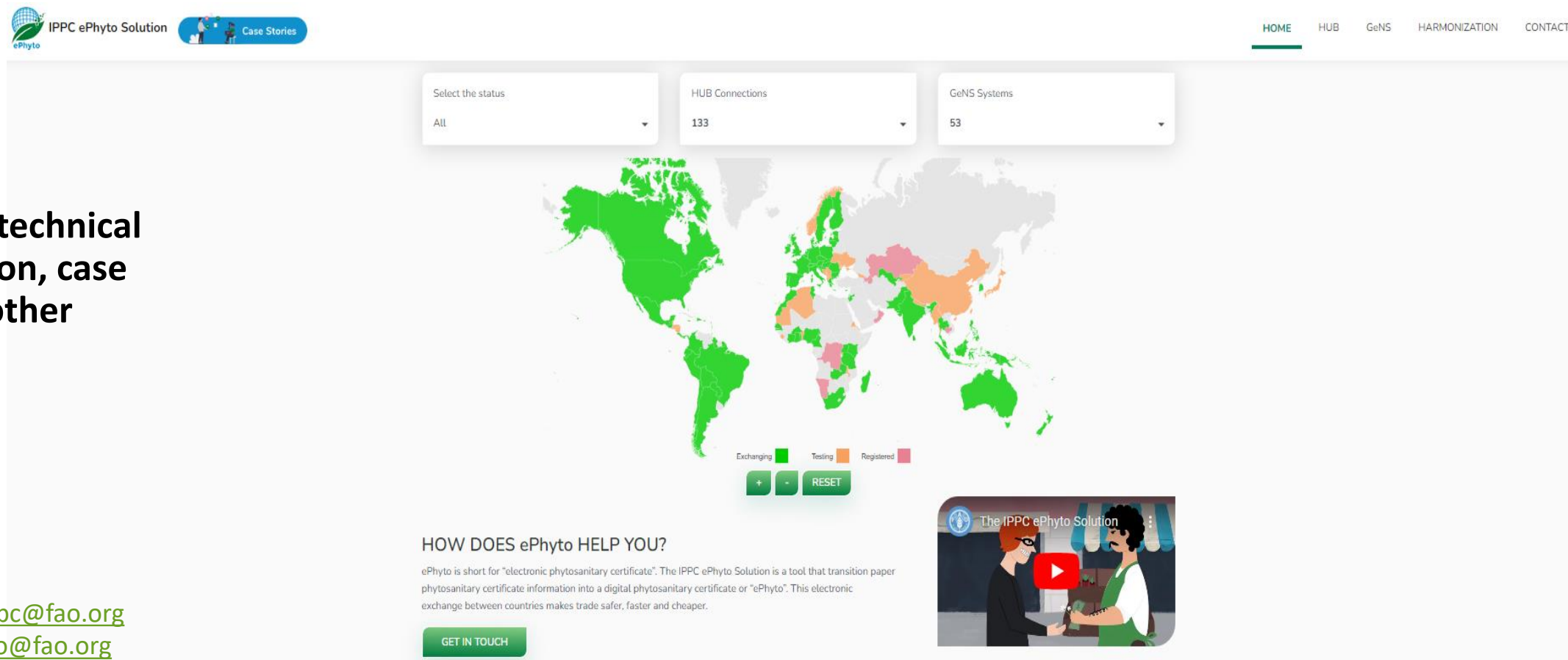
Overview of the IPPC ePhyto Solution

ePhyto website

www.ephytoexchange.org

**How to join, technical
documentation, case
studies and other
information!**

CONTACT:
IPPC Secretariat: ippc@fao.org
ePhyto: ippc-ephyto@fao.org



IPPC ePhyto Solution Case Stories

HOME HUB GeNS HARMONIZATION CONTACT

Select the status: All

HUB Connections: 133

GeNS Systems: 53

Exchanging Testing Registered

+ - RESET

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

The IPPC ePhyto Solution



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Thank you

IPPC Secretariat

Food and Agriculture Organization
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