



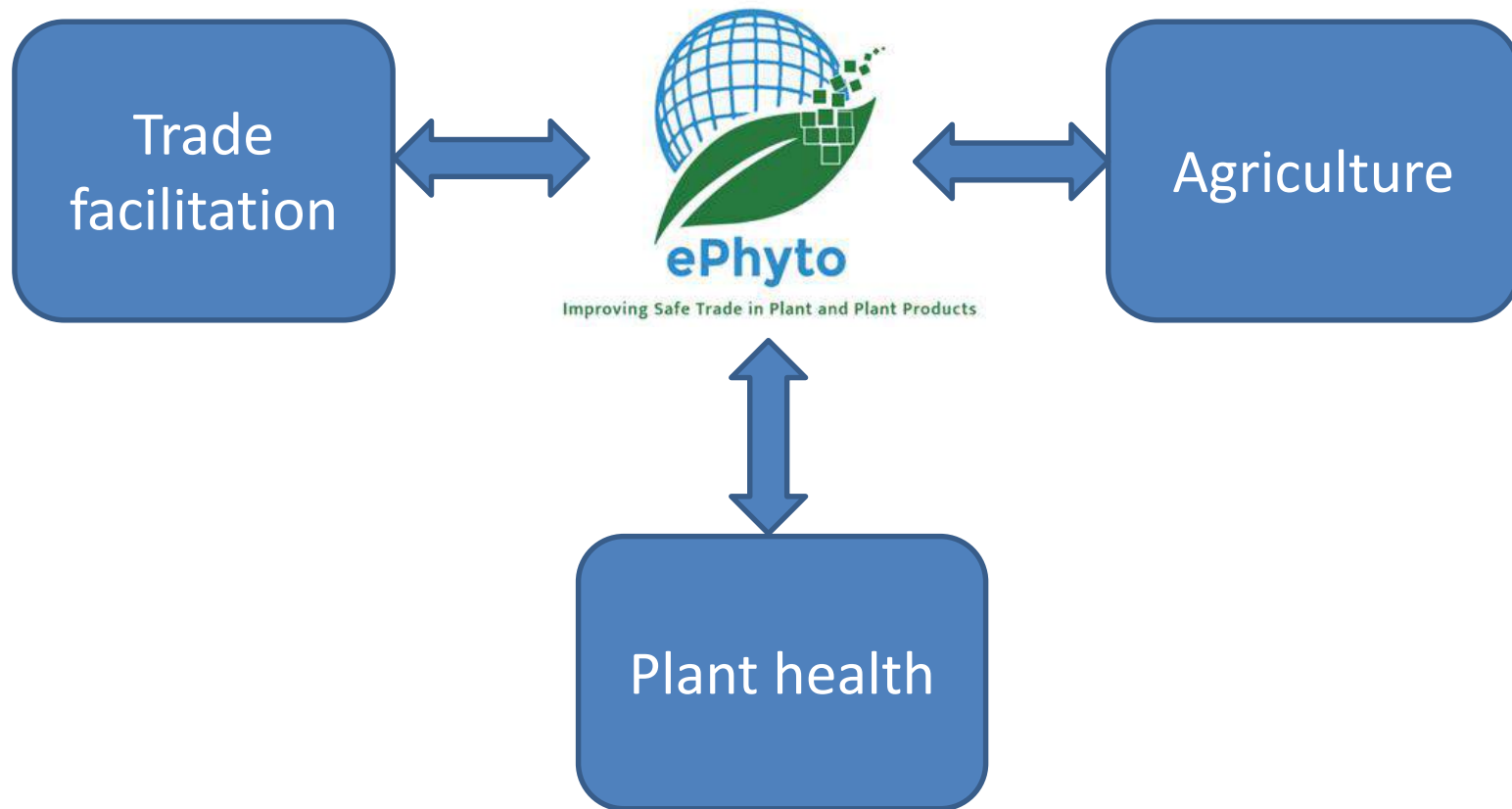
Food and Agriculture Organization
of the United Nations

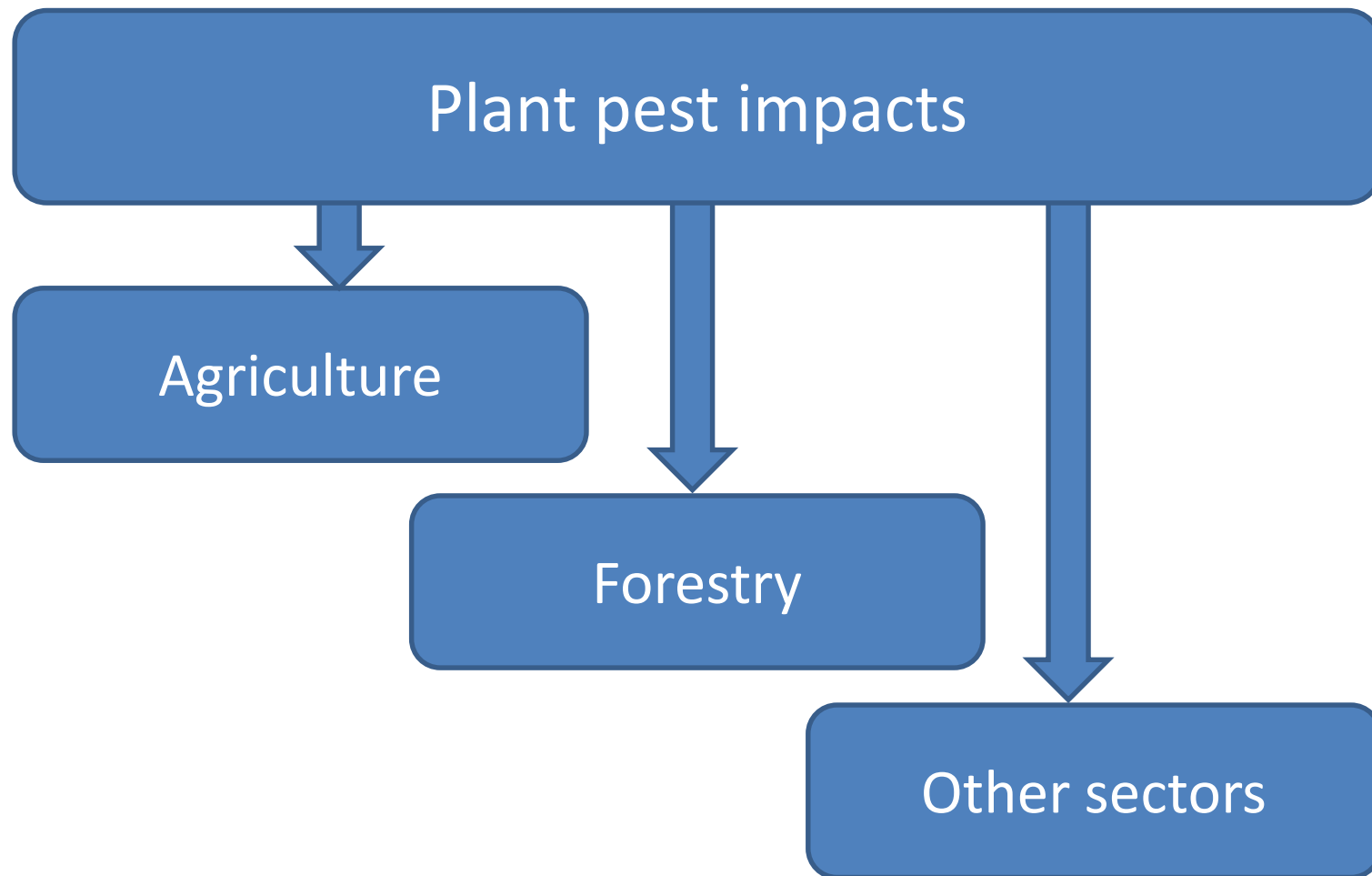
Electronic phytosanitary certificates (ePhyto) – a new option in trade of plants and plant products

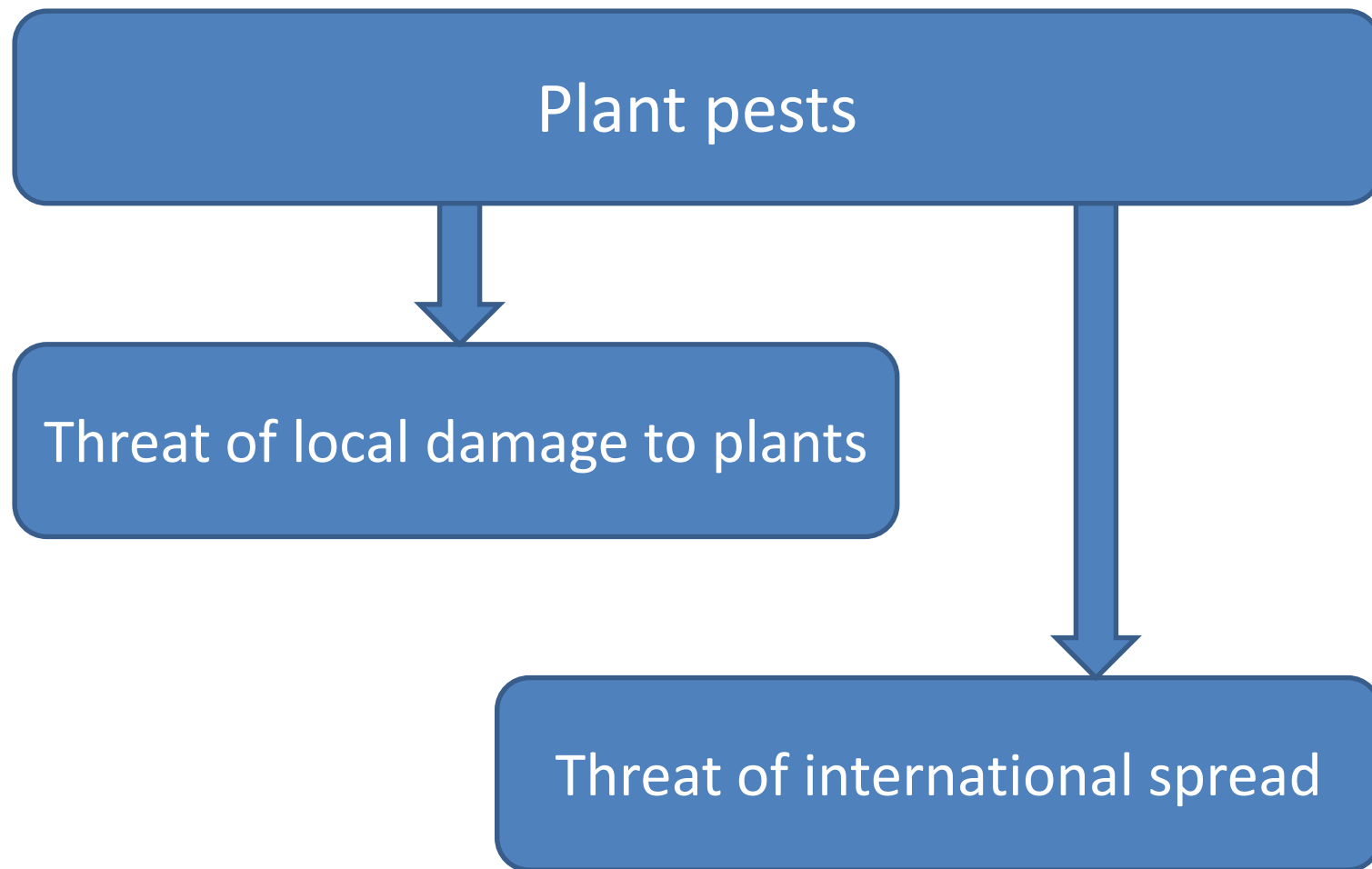
Piotr Włodarczyk

Agricultural Officer

FAO Regional Office for Europe and Central Asia









Threat of international spread of pests

International Plant
Protection Convention
(IPPC)

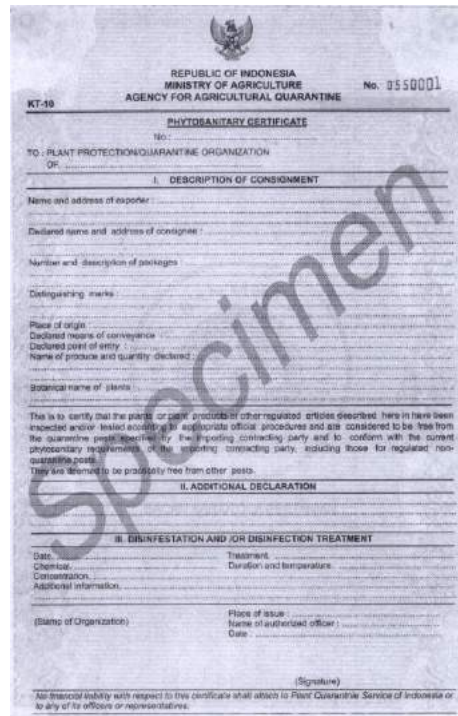
The diagram consists of a blue rounded rectangular box at the top containing the text 'Threat of international spread of pests'. Two blue arrows point downwards from the bottom corners of this box to a large blue oval below. The oval contains the text 'International Plant Protection Convention (IPPC)'. This visualizes the causal link between the threat and the international convention.

International Plant Protection Convention (IPPC)

Art. V.1. Contracting parties make
arrangements for **phytosanitary
certification**

Art. V.2b. Phytosanitary certificates
or their **electronic equivalents** shall
be worded as in the Annex to the
Convention, and issued taking into
account international standards

Phytosanitary Certificates (PCs)



REPUBLIC OF INDONESIA
MINISTRY OF AGRICULTURE
AGENCY FOR AGRICULTURAL QUARANTINE No. 0550001

KT-10
PHYTOSANITARY CERTIFICATE

TO: PLANT PROTECTION/QUARANTINE ORGANIZATION
OF

I. DESCRIPTION OF CONSIGNMENT

Name and address of exporter:

Declared name and address of consignee:

Number and description of packages:

Distinguishing marks:

Place of origin:

Declared means of conveyance:

Declared point of entry:

Name of produce and quantity declared:

Botanical name of plants:

This is to certify that the plants or parts, products or other regulated articles described here in have been inspected and/or tested according to appropriate official procedures and are considered to be free from the quarantine pests specified by the importing contracting party and to conform with the current phytosanitary requirements of the importing contracting party, including those for regulated non-quarantine pests.

They are deemed to be probably free from other pests.

II. ADDITIONAL DECLARATION

III. DISINFESTATION AND/OR DISINFESTION TREATMENT

Date: Treatment:
Chemical: Duration and temperature:
Concentration:
Additional information:

(Blank of Organization) Place of issue:
Name of authorized officer:
Date:

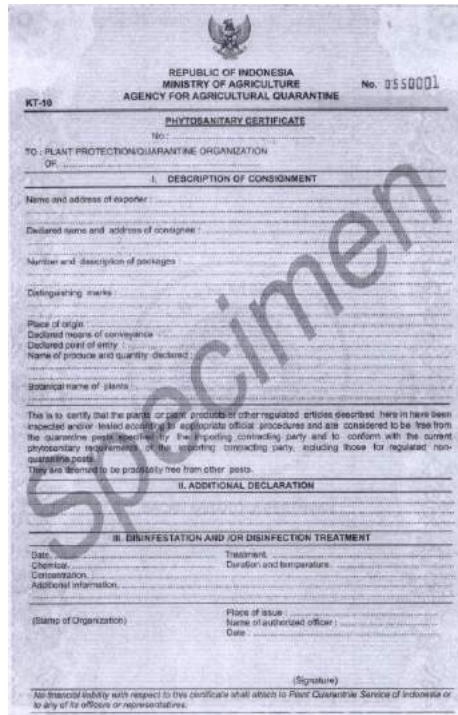
(Signature)

*All financial liability with respect to this certificate shall attach to Plant Quarantine Service of Indonesia or to any of its office or representatives.

Phytosanitary Certificates:

Official documents which attest that the certified consignments meet relevant phytosanitary import requirements of the country of import/transit (e.g. freedom from quarantine pests)

PCs in paper form



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Distinguishing marks:

Place of origin:

Declared means of conveyance:

Declared point of entry:

Name of produce and quantity declared:

Subgeneric name of plants:

This is to certify that the plants or parts, products or other regulated articles described here in have been inspected and/or tested according to appropriate official procedures and are considered to be free from the quarantine pests specified by the importing contracting party and to conform with the current phytosanitary requirements of the importing contracting party, including those for regulated non-quarantine pests.

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Date: Treatment:

Chemical: Duration and temperature:

Concentration:

Additional information:

(Blank of Organization) Place of issue: Name of authorized officer: Date:

(Signature)

All responsibility with respect to this certificate shall attach to Plant Quarantine Service of Indonesia or to any of its office or representatives.

Disadvantages of paper PCs:

- should physically accompany the consignment in the point of entry
- get easily damaged, destroyed or lost
- are prone to fraud - costly prevention
- problematic alignment with the Customs' electronic systems

Some countries decided to develop their national systems for the issuance of electronic PCs

Electronic PCs – national systems

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OF

I. DESCRIPTION OF CONSIGNMENT

Name and address of exporter:

Declared name and address of consignee:

Number and description of packages:

Distinguishing marks:

Place of origin:

Declared means of conveyance:

Declared point of entry:

Name of produce and quantity declared:

Subgeneric name of plants:

This is to certify that the plants or parts, products or other regulated articles described here in have been inspected and/or tested according to appropriate official procedures and are considered to be free from the quarantine pests specified by the importing contracting party and to conform with the current phytosanitary requirements of the importing contracting party, including those for regulated non-quarantine pests.

They are deemed to be probably free from other pests.

II. ADDITIONAL DECLARATION

III. DISINFESTATION AND/OR DISINFECTION TREATMENT

Date: Treatment:
Chemical: Duration and temperature:
Concentration:
Additional information:

(Stamp of Organization) Place of issue:
Name of authorized officer:
Date:

(Signature)

All financial liability with respect to this certificate shall attach to Plant Quarantine Service of Indonesia or to any of its office or representatives.

Disadvantages of the national systems:

- Limited use (bilateral)
- Lack of harmonization:
 - limited recognition
 - no perspectives to expand
 - difficult to handle (a separate system in each importing country)

Electronic PCs – the way forward

- CPM-9 (2014) adopted Appendix 1 to ISPM 12 (*Phytosanitary certificates*): *Electronic phytosanitary certificates, information on standard XML schemes and exchange mechanisms*
- The appendix provides for the global harmonization of electronic PCs

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<SPSConfirmations>
  <SPSConfirmation>
    <Name>BEST SA</Name>
    <Address>
      <Line1>Rivindivio 157, NEHOVEN</Line1>
      <Line2>
      <Line3>
    </Address>
    <Company>
      <Name>BEST ORGANIC INC.</Name>
      <Address>
        <Line1>501 S 2nd Street - Mount Vernon, WA 99009</Line1>
        <Line2>
        <Line3>
      </Address>
    </Company>
    <Country>
      <ID>AR</ID>
      <Name>AR</Name>
    </Country>
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    </Sender>
    <Receiver>
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        <Line1>
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        <Line3>
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        <Line3>
      </Address>
    </Destination>
  </SPSConfirmation>
</SPSConfirmations>
```


ePhyto – the HUB

The ePhyto HUB:

- for countries having national systems
- facilitates the exchange of certificates between NPPOs
- does not interfere with or “read” the certificates - they are encrypted
- is in English, and will be in other languages
- test version is available

```
<?xml version='1.0' encoding='UTF-8'>
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  <SPSConfirmation>
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    <Address>Rivindvija 157, NEBOJEN</Address>
    <PostalCode>11000</PostalCode>
    <Country>SR</Country>
    <Name>BEST ORGANIC INC.</Name>
    <Address>901 S 2nd Street - Mount Vernon, WA 99009</Address>
    <PostalCode>99009</PostalCode>
    <Country>US</Country>
    <Name>AR</Name>
    <Address>MILL</Address>
    <PostalCode>CL</PostalCode>
    <Country>AR</Country>
    <Name>NULL</Name>
    <Address>NULL</Address>
    <PostalCode>NULL</PostalCode>
    <Country>NULL</Country>
    <Name>LOS ANGELES - USA</Name>
    <Address>CONFERENCE SPSC</Address>
    <PostalCode>NULL</PostalCode>
    <Country>USA</Country>
    <Name>MONTREAL</Name>
    <Address>MONTREAL</Address>
    <PostalCode>MONTREAL</PostalCode>
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  </SPSConfirmation>
</SPSConfirmations>
```


ePhyto – how to join

- Joining the ePhyto system is **not obligatory** for countries
- Countries may decide to join and declare that they are ready to **accept electronic PCs**
- **Issuance** of electronic PCs requires using a national system or the GeNS

```
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    <com:Name>BEST SA</com:Name>
    <com:ExportCountry>
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      <com:SpecialSPSAddress>
    </com:SpecialSPSAddress>
  </com:ConsignmentID>
  <com:Name>BEST ORGANIC INC.</com:Name>
  <com:SpecialSPSAddress>
    <com:LineNo>501 S 2nd Street - Mount Vernon, WA 99009</com:LineNo>
    <com:SpecialSPSAddress>
  </com:SpecialSPSAddress>
  <com:ExportCountry>
    <com:ID>AR</com:ID>
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  </com:TransitCountry>
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    <com:URL>
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    </com:Description>
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    <com:Name>Counsellor ABge</com:Name>
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