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# IPPC Standard Setting Process for International Standards for Phytosanitary Measures (ISPMs) and Diagnostic Protocols (DPs)

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**TPDP and MAFF Japan  
Workshop on “Boosting Agricultural Resilience:  
Novel plant pests' diagnostic techniques”**

**- October 2024-**





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## INTERNATIONAL PLANT PROTECTION CONVENTION (IPPC)



**International treaty\*** to secure cooperation among nations in protecting global plant resources from the spread and introduction of pests of plants, in order to preserve food security, biodiversity and to facilitate safe trade.



The sole **standard setting organization** for **plant health** recognized by **WTO (in SPS Agreement)**. And also **biodiversity-related convention**.



These standards are global instruments for the **harmonization phytosanitary measures** for **trade** that protect plants and their **environment**.

**\*185 contracting parties** are members of IPPC (and **10 RPPOs** - Article IX of the IPPC).

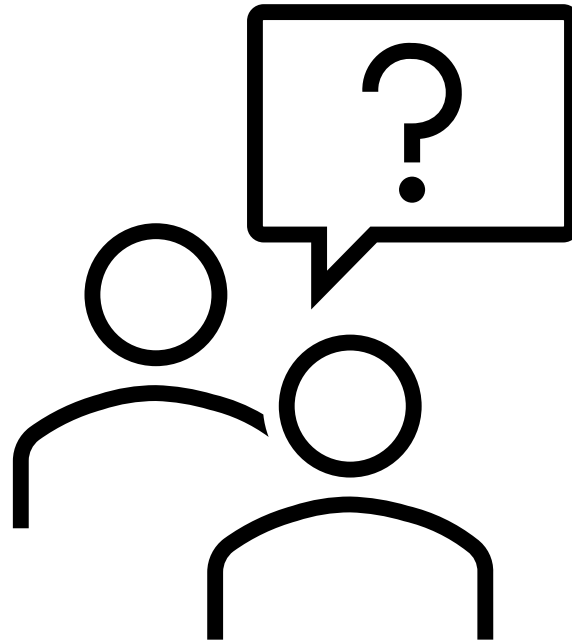


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# Why it matters?





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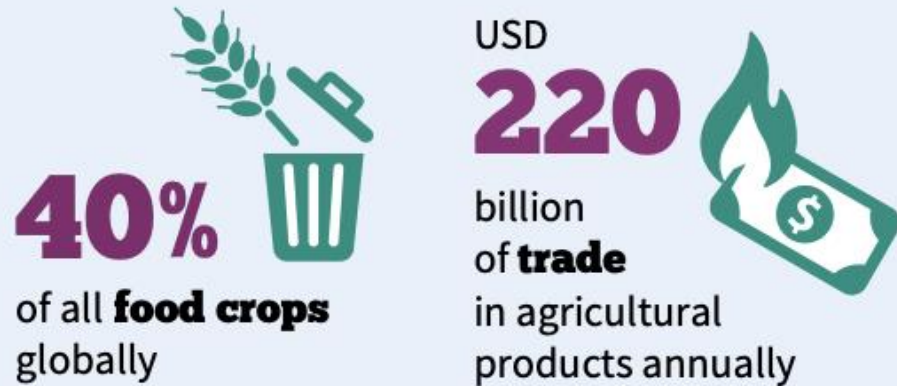


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# THE GLOBAL SITUATION ON PLANT PESTS

## The impact of plant pests<sup>1</sup>

### Plant pests cause the loss of:



### Introduced pests cause:



### Invasive alien species

are one of the main drivers of **biodiversity loss**



1. Plant health and environment protection: <https://www.fao.org/3/ca3279en/CA3279EN.pdf>



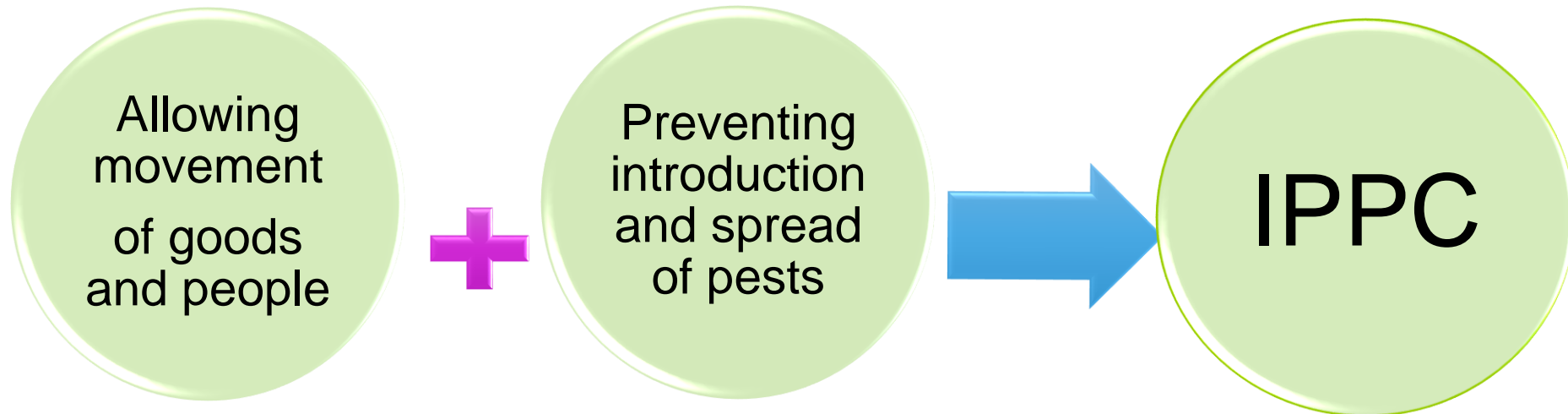
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# Achieving Safe International Trade

Protect global plant resources & facilitate safe trade of agricultural products





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## INTERNATIONAL PLANT PROTECTION CONVENTION (IPPC)

1881



1st Plant Health  
Convention  
between  
European  
countries against  
*Phylloxera  
vastatrix*

1929



Adoption of the 1st  
International  
Convention for the  
Protection of Plants  
with a global  
approach

1951



Adoption of the  
Convention and  
deposition before the  
Director General of the  
United Nations  
Organization for  
Agriculture and Food  
(FAO)

1979



Minor revision  
of the  
Convention  
towards a more  
global  
harmonization

1997



Revision of the  
Convention to  
align with the  
World Trade  
Organization's  
Sanitary and  
Phytosanitary  
(SPS)  
Agreement

2005



The new revised  
text of the IPPC  
came into force





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# IPPC Mission: Protect global plant resources and facilitate safe trade

## Strategic Objectives:



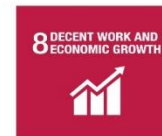
Protect sustainable  
agriculture and  
enhance global food  
security



Protect the environment,  
forests and biodiversity



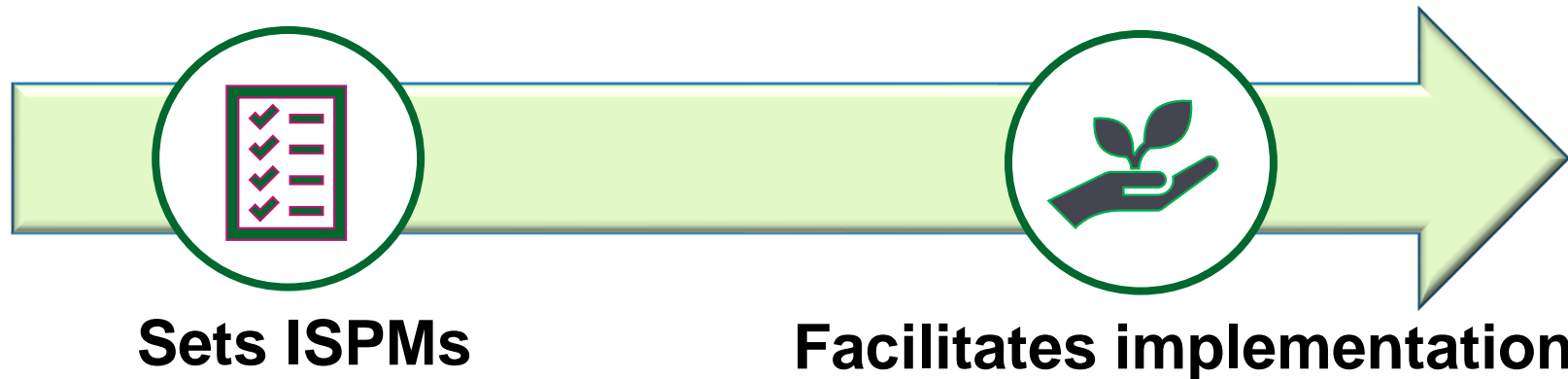
Facilitate economic  
and trade development





## In practice, what does the IPPC do?

- The IPPC develops International Standards for Phytosanitary Measures (ISPMs), CPM recommendations and facilitates their implementation to ensure food security, facilitate safe trade and reduce the risks to agriculture and biodiversity.





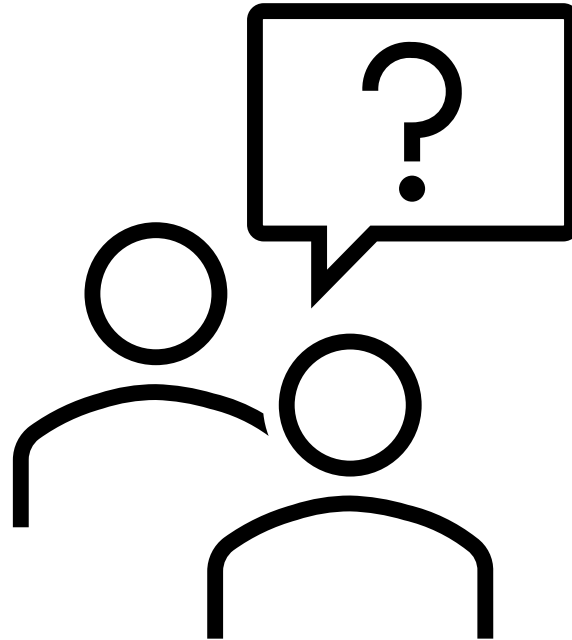


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# Why set international standards?





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# Why set international standards?



Contracting parties have **access to a same level of playing field** upon which **all** can safely trade plants and plant products.



The aim of **international standards** is to **harmonize phytosanitary measures**.



Facilitate **safe international trade**, protect the **environment** and ensure **food security**.



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# Phytosanitary measures: basic principles



**Only when necessary**

**No more restrictive than necessary**

**Technical justification**

**Minimal impact**

**Non-discrimination (→Equivalence of phytosanitary measures)**

**Transparency**

**ISPM1 - *Phytosanitary principles for the protection of plants and the application of phytosanitary measures in international trade*** (adopted in 1993, revised in 2006)



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# The IPPC standards: International Standards on Phytosanitary Measures (ISPMs)

## KEY POINTS



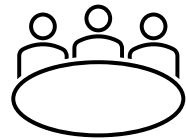
Subject matter experts develop ISPMs



The development of ISPMs are under the oversight of the Standards Committee



Undergo technical review during consultation period

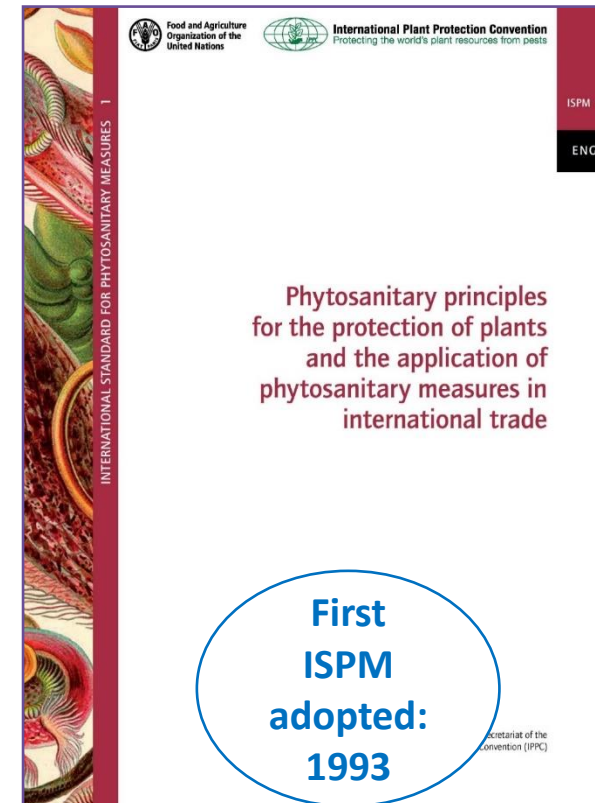
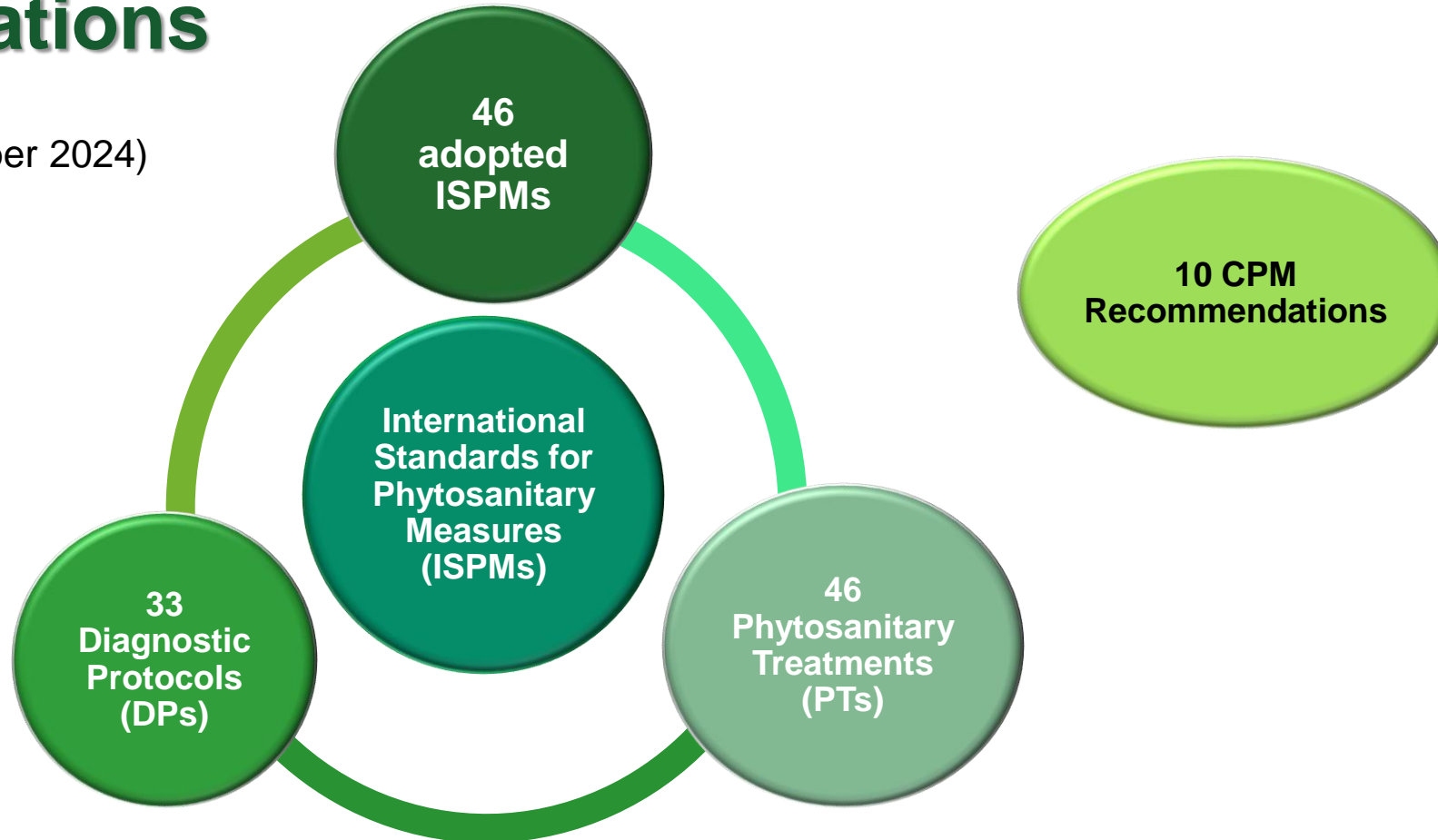


The Commission on Phytosanitary Measures (**CPM**) adopts ISPMs



# ISPMs: The framework for phytosanitary systems and operations

(As of October 2024)





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## International Standards for Phytosanitary Measures (ISPMs)

pest surveillance

phytosanitary certificates

pest free areas

glossary terms

pest reporting

pest risk analysis

export certification

diagnostic protocols

audit in the phytosanitary context

phytosanitary treatments

wood packaging material

commodity-specific standards

international movement of seeds

international movement of wood



## CPM Recommendations

HTS technologies

E-commerce

Sea Containers

Safe provisions of humanitarian aid

IPPC coverage of aquatic  
plants

Threats to biodiversity posed by  
alien species



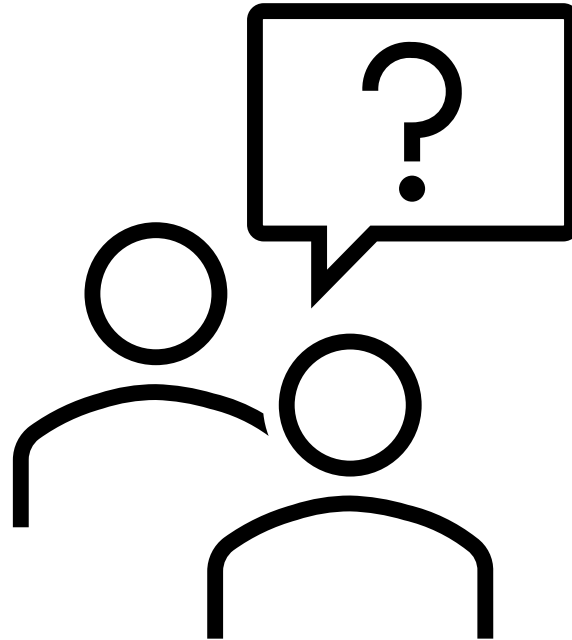


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# How is the IPPC standard setting process?





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## Standards Committee (SC)



Consists of 25 members from each of the seven FAO regions



Oversees the IPPC Standard Setting Process



Manages the development of ISPMs



Provides guidance and oversight to the work of Expert Drafting Groups



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## IPPC Standard Setting Process



**List of  
topics**

(Stage 1)



**Drafting  
standards**

(Stage 2)



**Consultation and  
review**

(Stage 3)



**Adopting and  
publication**

(Stage 4)



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## IPPC Standard Setting Process



List of topics

(Stage 1)



Drafting standards

(Stage 2)



Consultation and review

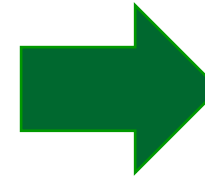
(Stage 3)



Adopting and publication

(Stage 4)

~ 6 years



✓ **T**ransparent process

✓ **I**nclusive process

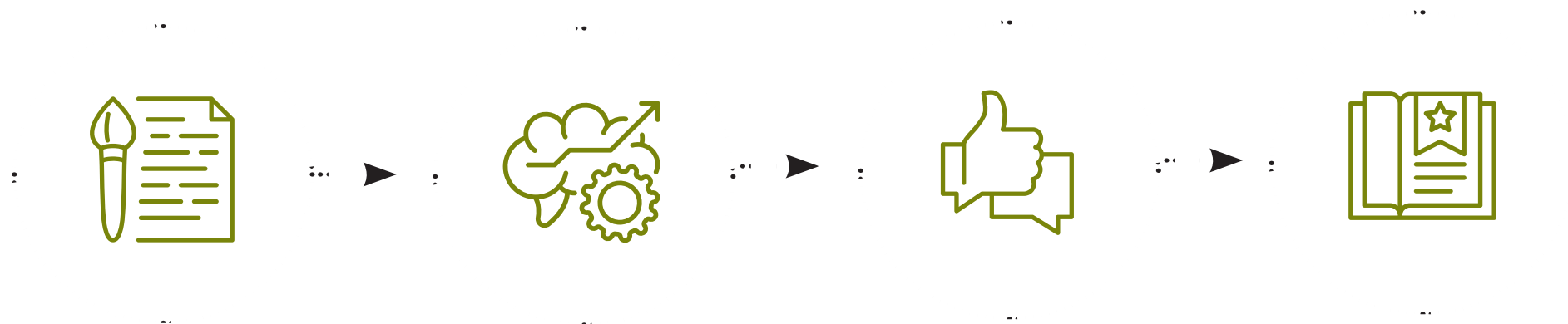
✓ **P**articipatory - all  
contracting parties can  
participate in all steps



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# Diagnostic Protocols (DPs)



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# IPPC Diagnostic Protocols

Information relevant for diagnosis for detection and identification

Adopted as annexes to ISPM 27

Considered international standards – not scientific publications

Minimum requirements for reliable diagnosis of regulated pests

Flexibility for developing and developed countries to ensure that methods are appropriate for use in the full range of circumstances

Accurate pest diagnosis (basis of an effective pest surveillance)

Average time for development: 3 - 4 years



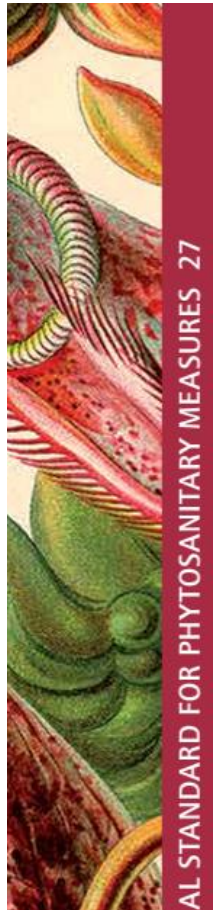


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## 33 adopted diagnostic protocols annexes to ISPM 27



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International Plant Protection Convention  
Protecting the world's plant resources from pests

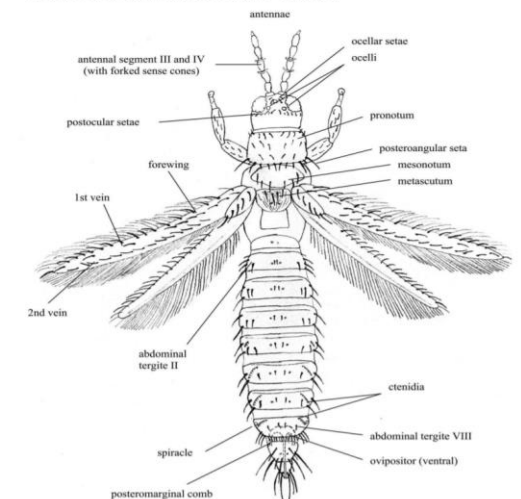
ISPM 27

ENG



Diagnostic protocols  
for regulated pests

Figure 4. Location of general characters of *Thrips* (♀ – dorsal view)





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# IPPC Technical Panel on Diagnostic Protocols (TPDP)

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TPDP meeting 2024, Yokohama, Japan



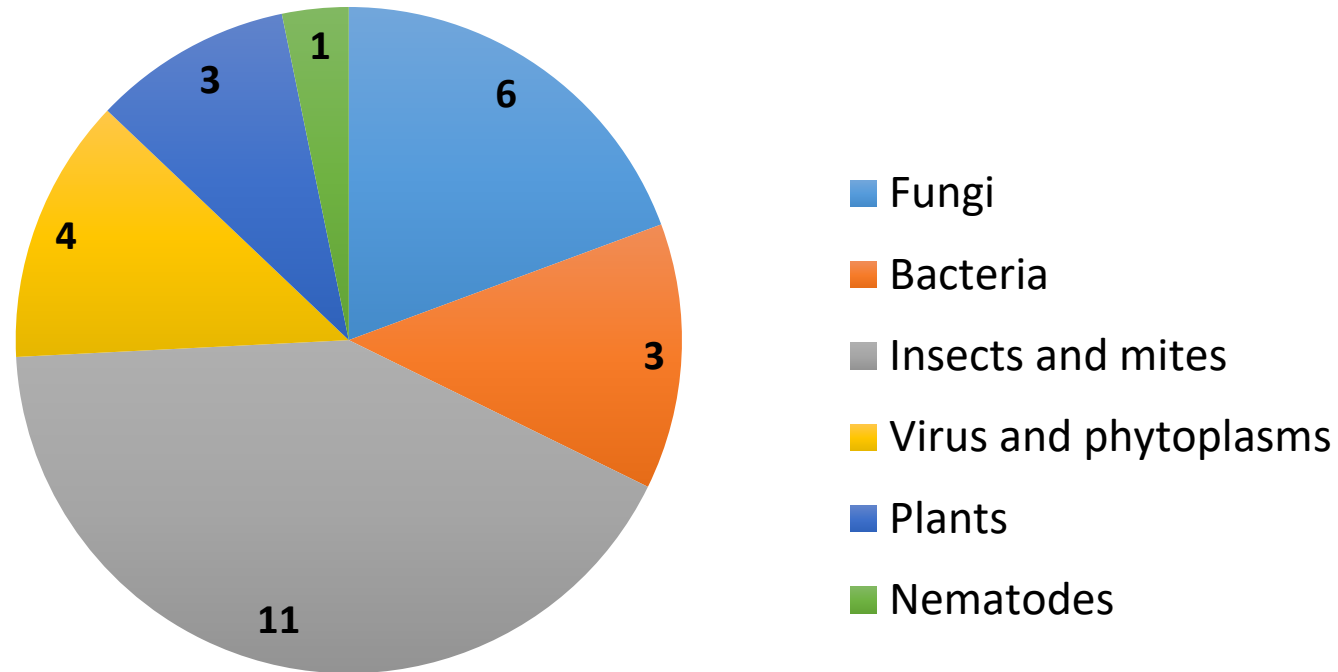
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## Volume of work for the TPDP

### IPPC TPDP Work Programme - October 2024



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29 subjects in the work programme



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## Volume of work for the TPDP



**50+ authors  
from around  
the world**





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## Technical Panel on Diagnostic Protocols (TPDP)

09 members + 1 Steward + 1 Assistant Steward\*

Nematology  
(1)

Bacteriology  
(1)

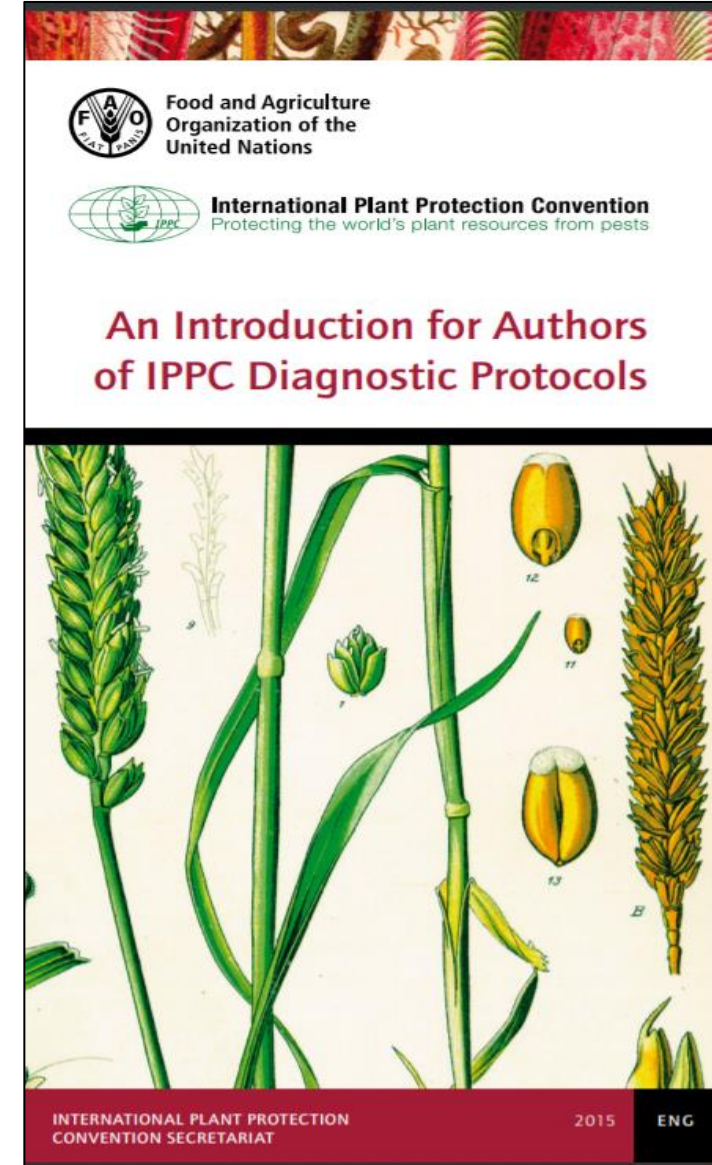
Mycology  
(1)

Botany  
(1)

Virology (2)

Entomology  
(3)

Ensures that draft texts meet the requirements set for IPPC Diagnostic Protocols



\*As of October 2024

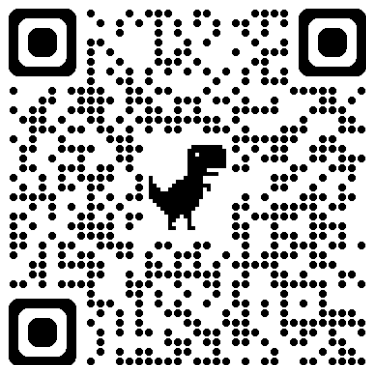


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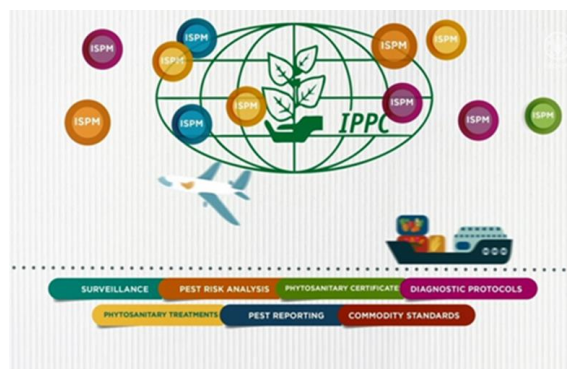


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For more information:

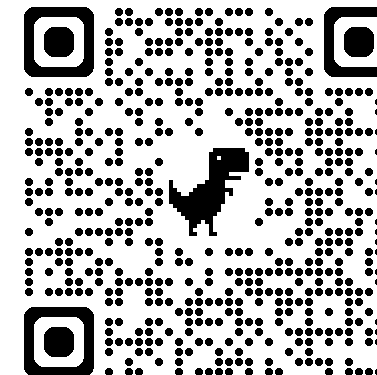


IPPC adopted  
ISPMs



<https://youtu.be/W8zciLFG--8>

Video on IPPC Standard  
Setting Process



CPM  
Recommendations





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# Thank you

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## IPPC Secretariat

Food and Agriculture Organization  
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[ippc@fao.org](mailto:ippc@fao.org) | [www.ippc.int](http://www.ippc.int)



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## IPPC mission, vision and objectives

- **IPPC Mission:** Protect global plant resources and facilitate safe trade.
- **IPPC Vision:** The spread of plant pests is minimized and their impacts within countries are effectively managed.
- **IPPC objective:** All countries have the capacity to implement harmonized measures to reduce pest spread and minimize the impact of pests on food security, trade, economic growth, and the environment.

## Strategic Objectives:



Protect sustainable  
agriculture and  
enhance global food  
security



Protect the environment,  
forests and biodiversity



Facilitate economic  
and trade development

