

The *North American* and *Global*
perspective on understanding and
mitigating the threats of the next
plant health pandemic

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Predicting the Next Plant Disease Pandemic Symposium

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NAPPO

North American Plant Protection Organization
Organización Norteamericana de Protección a las Plantas
MEXICO - USA - CANADA



Today I will discuss ...

- international *regulatory* framework for plant health
- *global and regional initiatives* related to predicting/understanding the next plant health pandemic
- opportunities to collaborate



World Trade Organization - WTO

Agriculture

Technical
Barriers to
Trade

Agreement on the Application of
Sanitary and Phytosanitary
Measures - SPS

Trade Facilitation
Agreement - TFA

World Organization
on Animal Health

Codex
Alimentarius

International Plant Protection
Convention

Regional
PPOs

National
PPOs

International Plant Protection Convention or **IPPC**

- Multilateral treaty, since 1951
- 184 signatories = contracting parties = Commission on Phytosanitary Measures - **CPM**
- Managed by a Secretariat, housed at UN-FAO in Rome, Italy
 - Develops/adopts/implements international plant health standards
 - ***Strategic Framework for 2020-2030***
 - ***Advances other strategic plant health initiatives – risk posed by sea containers***

International Standards for Phytosanitary Measures or ISPMs 47 as of April of 2023

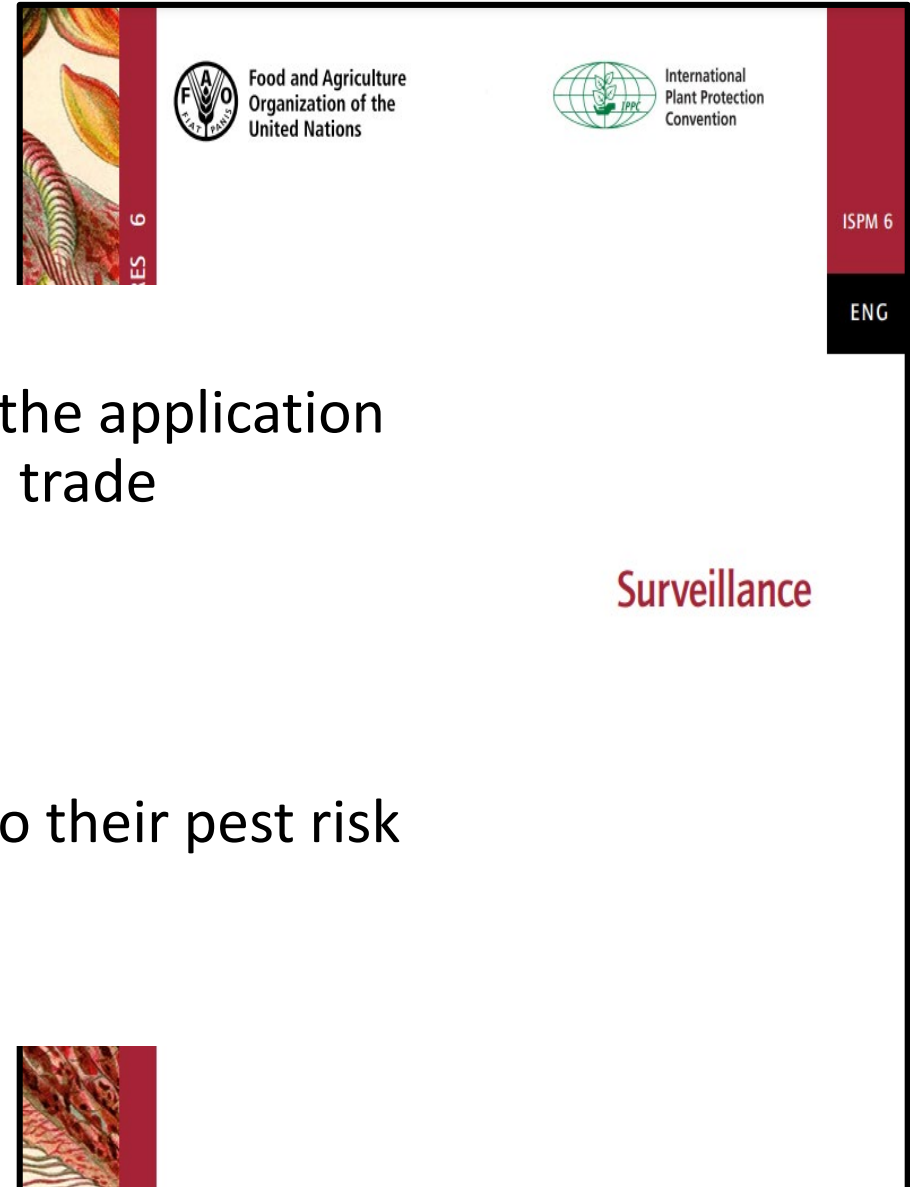
Reference standards

- Principles for the protection of plants and the application of phytosanitary measures in international trade
- Glossary of phytosanitary terms

Concept and specific standards

- Surveillance
- Categorization of commodities according to their pest risk
- Diagnostic protocols – 31 annexes
- Phytosanitary treatments – 45 annexes

<https://www.ippc.int/en/core-activities/standards-setting/ispms/>

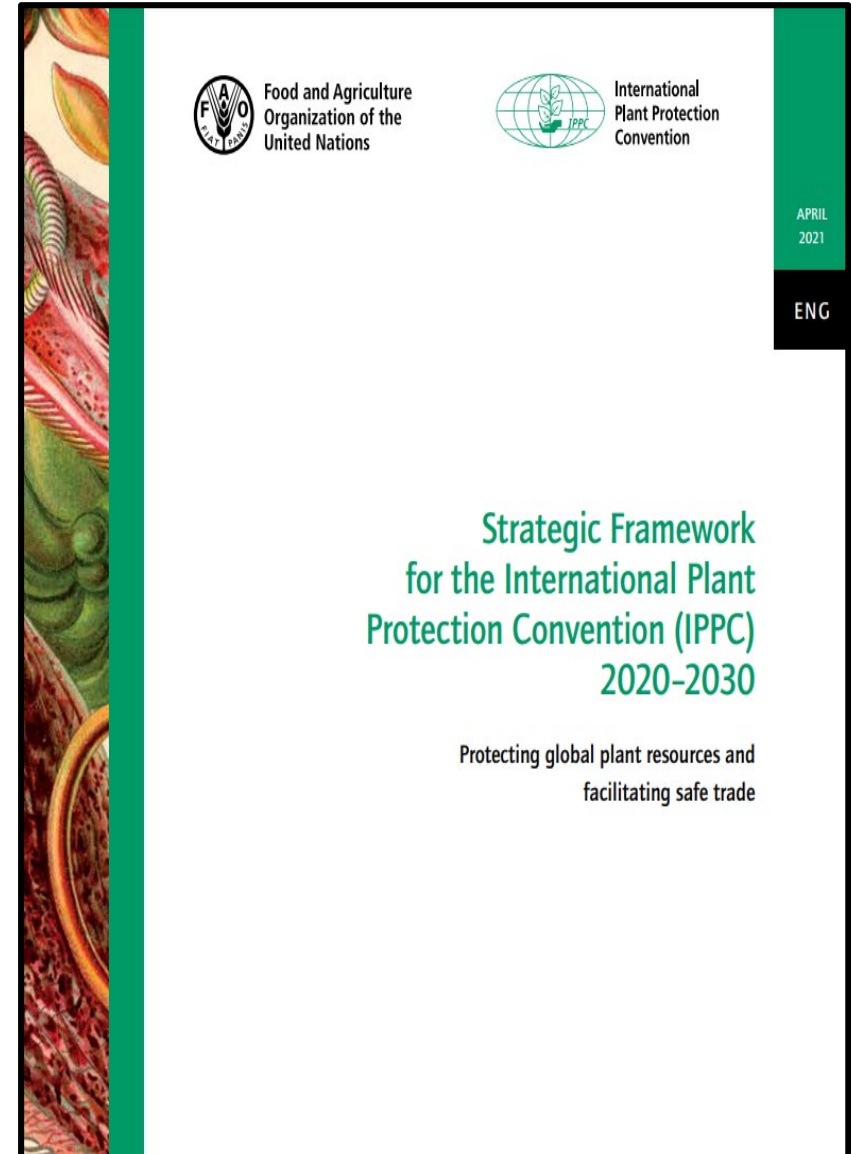


IPPC Strategic Framework 2020-2023

3 strategic objectives

1. Enhance global food security and increase sustainable agricultural productivity
2. ***Protect the environment from the impact of plant pests***
3. Facilitate safe trade, development and economic growth

<https://www.fao.org/documents/card/en/c/cb3995en>

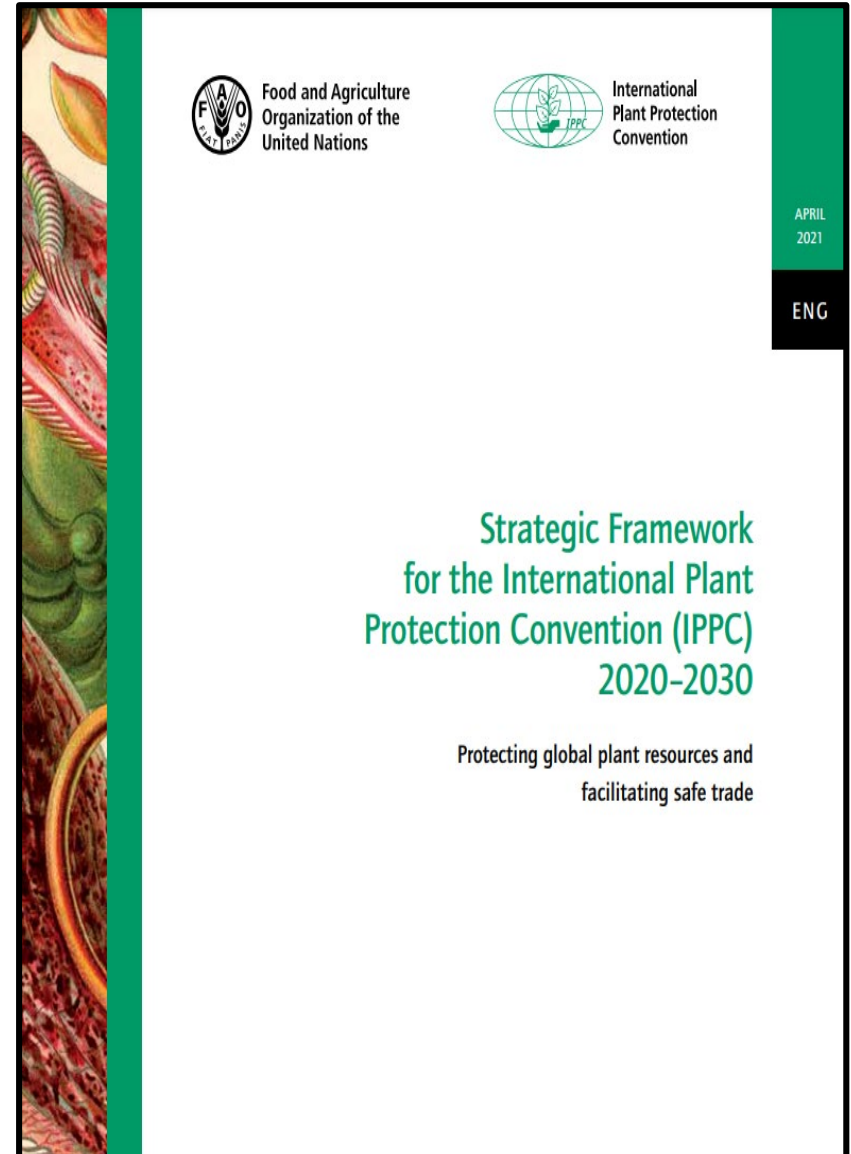


IPPC Strategic Framework 2020-2023

8 development programs

1. Electronic data exchange
2. Commodity/pathway ISPMs
- 3. *Strengthening pest outbreak, alert and response systems - POARS***
4. 3rd party entities
- 5. *E-commerce***
6. Climate change
7. Global research coordination
- 8. *Diagnostic laboratory network***

<https://www.fao.org/documents/card/en/c/cb3995en>



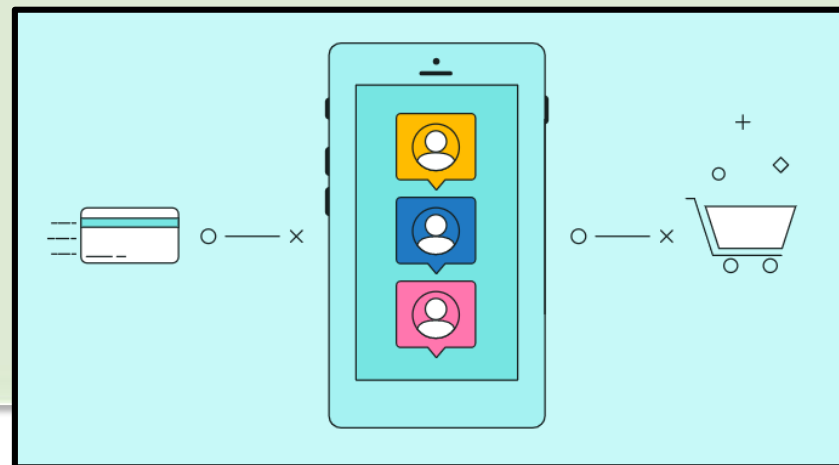
Strengthening Pest Outbreak, Alert and Response System - POARS

- System to evaluate and communicate timely information on emerging pest risks and assist countries to secure expertise, resources and funds to respond quickly and effectively to a pest outbreak.
 - Evaluate and rank emerging plant pests
 - Develop surveillance and response tools
 - Strengthen national pest reporting
- Long term plan by mid-2024.



Management of e-commerce and postal courier pathways

- A coordinated international effort to substantially reduce the spread of pests and their host materials sold through e-commerce and distributed through email and courier pathways.
- E-commerce guide to be published soon; international event “in the works”.



Diagnostic laboratory networking

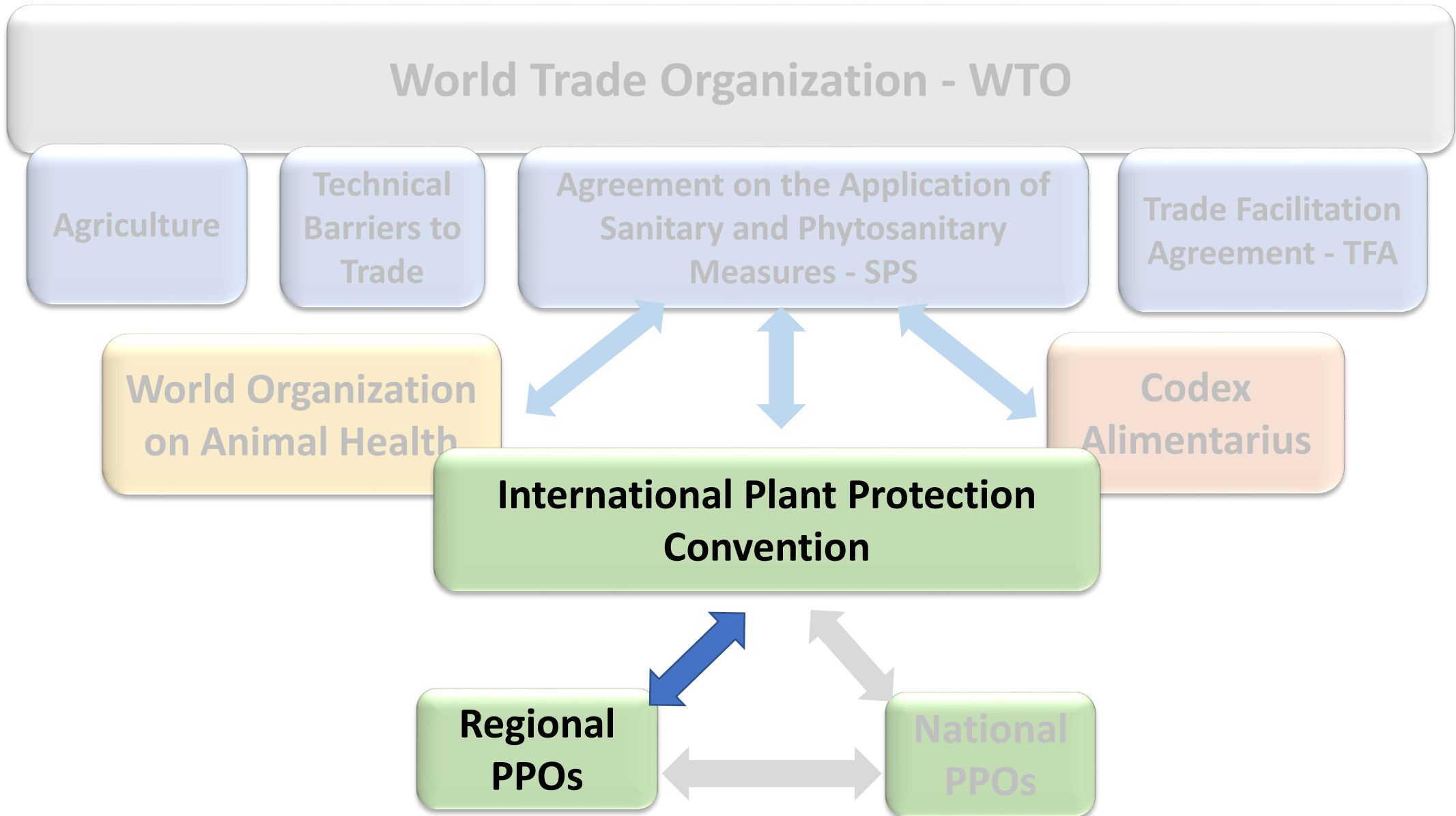
- Establishing a (global) network of diagnostic laboratory services and diagnostic protocols to assist countries to identify pests in a more reliable and timely matter.
- Study on existing networks in 2023.
- Planning next steps in 2024.



Sea Containers – work is underway

- Minimizing pest risk associated with the sea container pathway.
 - Mostly a non-plant pathway.
 - Container logistics are immensely complicated.
 - Balance or regulatory and non-regulatory solutions/practices.





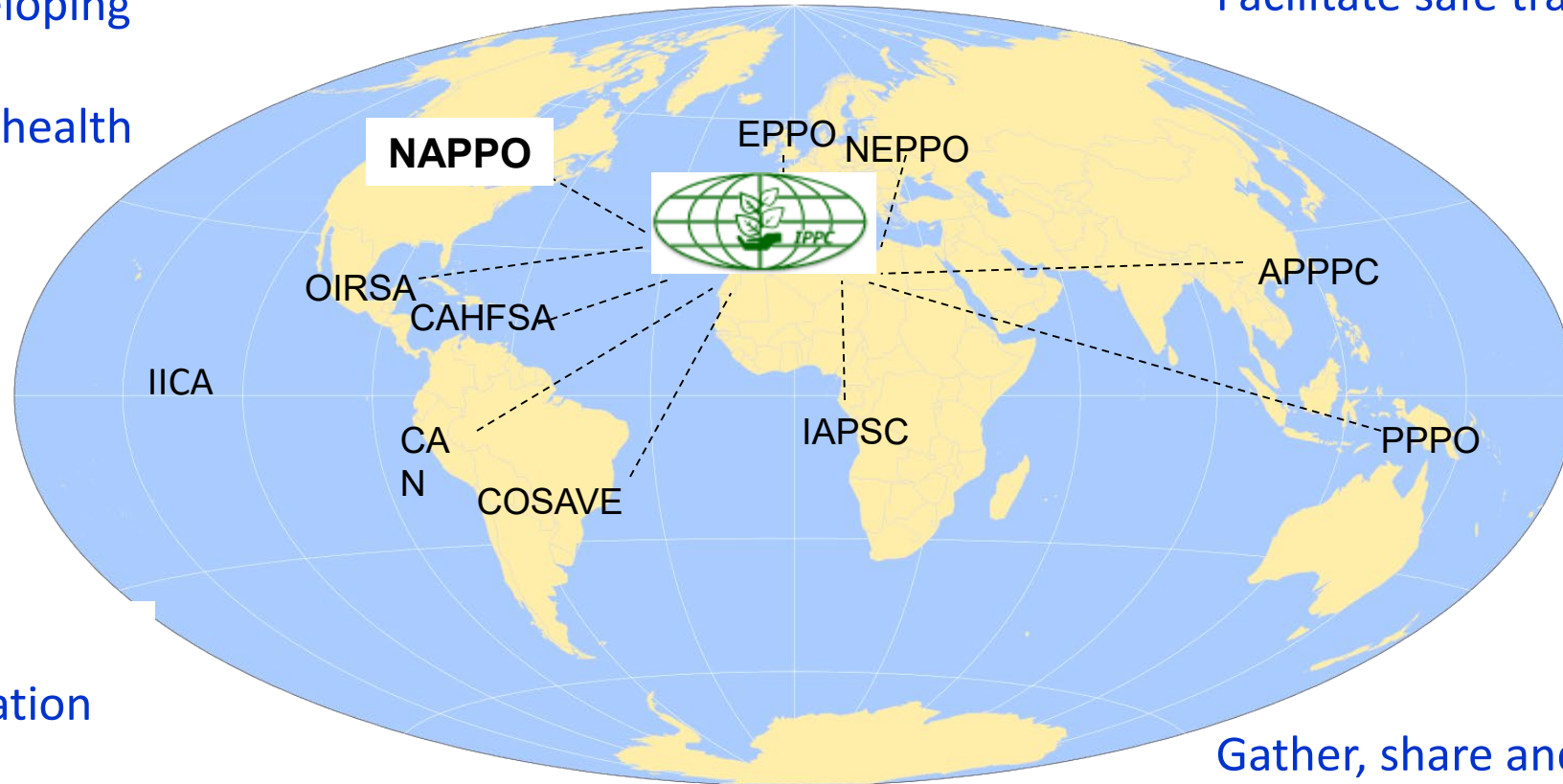
Ten regional plant protection organizations (RPPOs) around the world

1. **APPPC** - Asia and Pacific Plant Protection Commission
2. **CAHFSA** – Caribbean Agricultural Health and Food Safety Agency
3. **CAN** - Comunidad Andina
4. **COSAVE** - Comité de Sanidad Vegetal del Cono Sur
5. **EPPO** - European and Mediterranean Plant Protection Organization
6. **IAPSC** - Inter-African Phytosanitary Council
7. **NAPPO** – North American Plant Protection Organization
8. **NEPPO** - Near East Plant Protection Organization
9. **OIRSA** - Organismo Internacional Regional de Sanidad Agropecuaria
10. **PPPO** - Pacific Plant Protection Organization

Promote harmonized phytosanitary measures

Collaborate in developing and implementing international plant health standards

Facilitate safe trade



Encourage inter-regional consultation

Host International Workshops

Gather, share and disseminate plant health intelligence



NAPPO

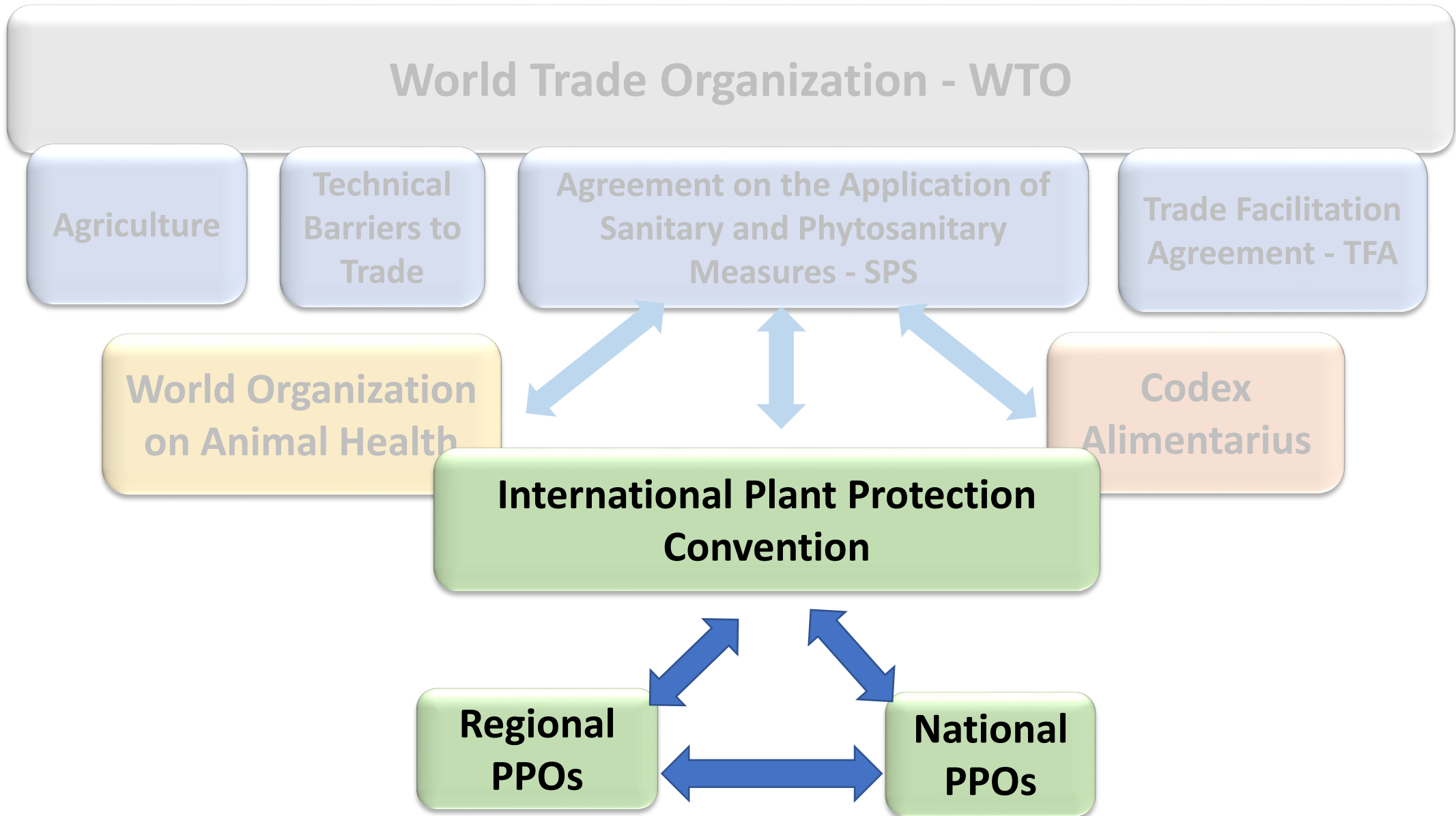
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Our Objectives

- ✓ encourage/facilitate cooperation to ***prevent entry, establishment and spread of regulated pests*** into our NAPPO region – Canada, the U.S. and Mexico;
- ✓ facilitate/promote safe international trade in plants, plant products and other regulated articles between our countries and with other trading partners;
- ✓ maintain involvement in hemispheric and global plant health efforts.

NAPPO Products – www.NAPPO.org

Regional SPMs	<ul style="list-style-type: none">○ Principles of Pest Risk Management for the Import of Commodities (RSPM 40)
Phytosanitary Alert System – www.pestalert.org	<ul style="list-style-type: none">○ Official Pest Report – European cherry fruit fly (<i>R. cerasi</i>) detected in Ontario○ <i>Emerging Pest Alerts</i>
Science and Technology Documents	<ul style="list-style-type: none">○ Risks associated with the introduction of tussock moth species into the NAPPO region (ST07)
Discussion Documents	<ul style="list-style-type: none">○ NA approach to prevent entry, establishment and spread of Khapra Beetle (DD10)
Initiatives	<ul style="list-style-type: none">○ North American Sea Container Initiative https://nappo.org/english/north-american-sea-container-initiative



NPPO – National Plant Protection Organization

- Official national regulatory organization for plant health
- Contracting parties to the IPPC
- Responsibilities
 - Pest Risk Analysis
 - Issue Phytosanitary Certificates
 - Surveillance
 - Inspection
 - Treatments
 - Meeting phytosanitary requirements of trading partners
 - ISPM implementation - once national governments establish requirements in their national legislation

Let's discuss how we can
strengthen collaboration on
these initiatives

Thanks for your attention!

