

A stylized, colorful illustration of a landscape. The background features wavy blue and white bands representing the sky. The foreground consists of rolling green hills in various shades of green, with a brown path winding through them. On the left, there are several stylized plants: a green tree, a purple flower, and an orange flower. A small orange bird is flying in the sky above the green hills.

Pest Risk Assessment and Plant Quarantine Policy in Taiwan

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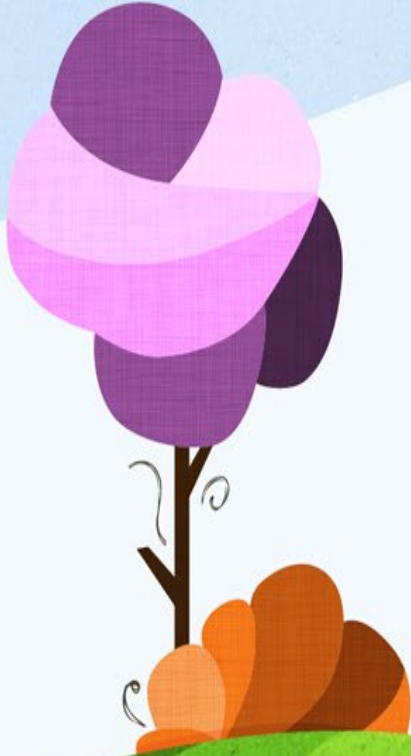
October 16, 2018

Outline

- **Introduction**
- **Taiwan's Plant Quarantine Policy**
- **Pest Risk Assessment in Taiwan**
- **Conclusion**



Introduction



Bureau of Animal and Plant Health Inspection and Quarantine (BAPHIQ)

- Established on August 1, 1998.
- To maintain the health of animals and plants, agricultural product safety and ensuring the food safety of produce.



Organization of BAPHIQ



Issues of the 6th National Agriculture Congress- Initiate a New Phase in Agricultural Development

- **Safety-** enhance agriproduct safety system, and promote excellent agricultural production and consumption
- **Sustainability-** agricultural resource and environment protection, ensure sustainable agriculture development
- **Prospect-** employ smart technology to adjust industry structure, comprehensively elevate agricultural competitiveness
- **Happiness-** complete farmer income protection, create new rural communities suitable for living and working

Goal of Plant Health

- **Taiwan's plant health policies aims to establish a sound plant protection and quarantine system in order to effectively control important plant diseases and pests, and mitigate risks of invasion by exotic pests due to agricultural imports and to promote exports of Taiwan's agricultural products.**



Plant Quarantine Policies in Taiwan (1/3)

Enhance the regulatory framework

Reinforce the risk management for importing commodities

Facilitate the export of agricultural products



Plant Quarantine Policy in Taiwan (2/3)

Support researches for plant quarantine

Improve the professional capabilities of personnel

Participate international activities and cooperation



Plant Quarantine Policy in Taiwan (3/3)

Enhance risk communication and public awareness

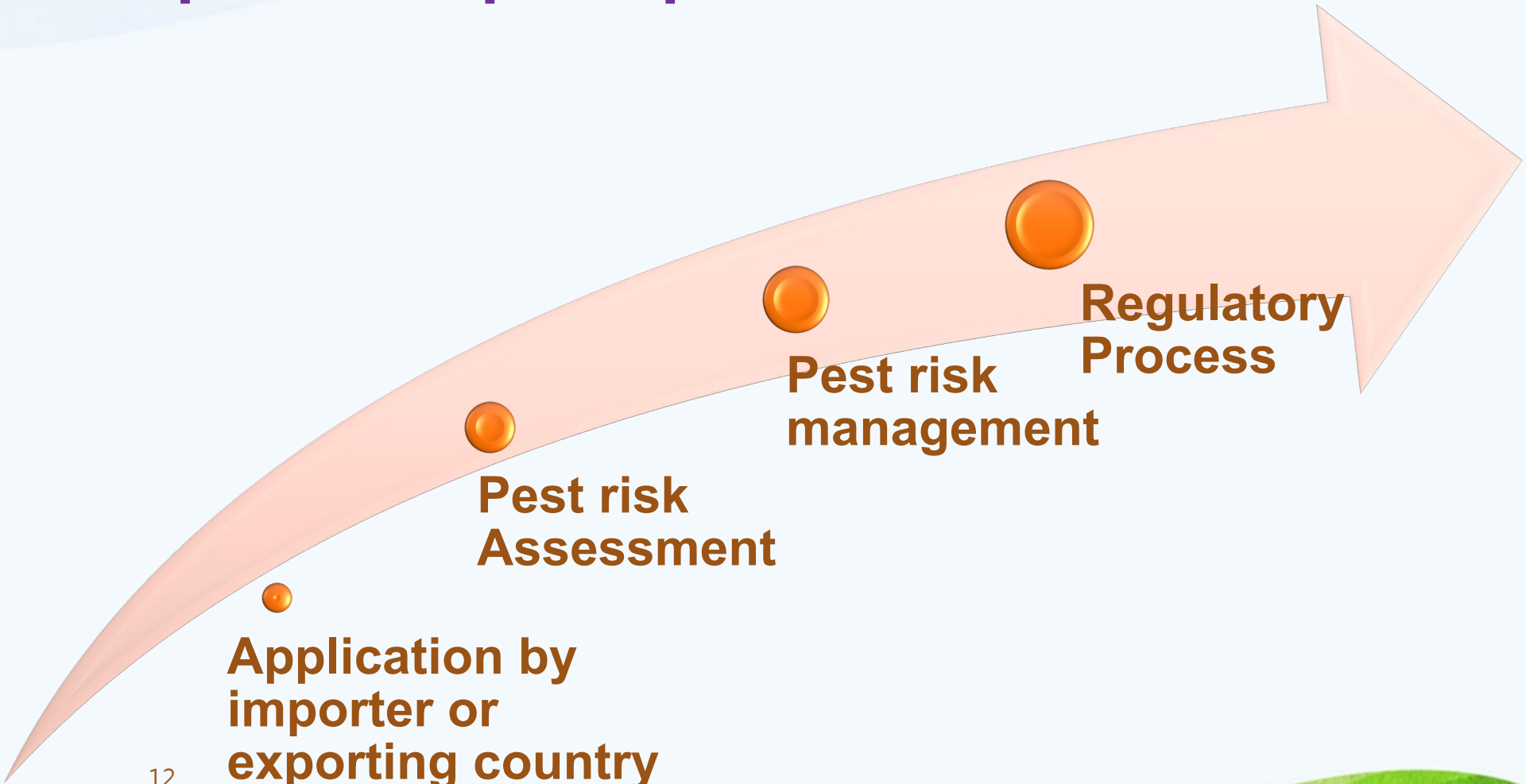
Intensify the partnership with industries and agencies



Pest Risk Assessment in Taiwan

- Paragraph 4, Article 14 Plant Protection and Quarantine Act :
- For the regulated articles with capability of propagation, if there is no import record from their export country or district, the export country, importer or agent shall submit the relevant data of **pest risk assessment** to the plant quarantine authority. The regulated articles must be approved by the plant quarantine authority before they maybe imported.

General procedure for the market access of plants or plant products



**Application by
importer or
exporting country**

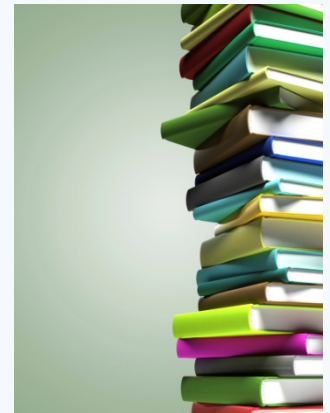
**Pest risk
Assessment**

**Pest risk
management**

**Regulatory
Process**

Methodologies for PRA

- **Follow guidelines of International Standards for Phytosanitary Measures (ISPMs)**
- **Qualitative**
- **Quantitative**



Measures of pest risk management

Prohibited

Inspection

Treatment

**Pest free
concepts**

**Post-entry
measures**

**Systems
Approaches**



Case Study- Systems approach for importation apples from France



Field Control



Export inspection

Sorting process



Fields management

Sorting process

registration	Trap density	Inspection frequency	Initiation control	Suspect damaged fruits
Yes	(1) 1/ha, under 8 ha in total (2) Add 1 in 2 ha increased, bigger than 8 ha.	1 / 3 days	Average 3 / trap during 1 week	Exportation suspended of sorting lot : more than 2 piece damaged found

Sorting process

Export inspection

C.M. being detected

- (1) Exportation suspended of sorting lot : 2 or more C. M. damage apples or dead codling moths are detected
- (2) Exportation suspended of sorting lot and the orchards will be withdraw for the remainder of this export season : any live C. M. being detected

sampling : ≤ 1500 boxes \rightarrow sampling 38 box; > 1500 box \rightarrow sampling 2.5%
 inspection : all check by sampling box
 Cutting check : at least 2 piece per box



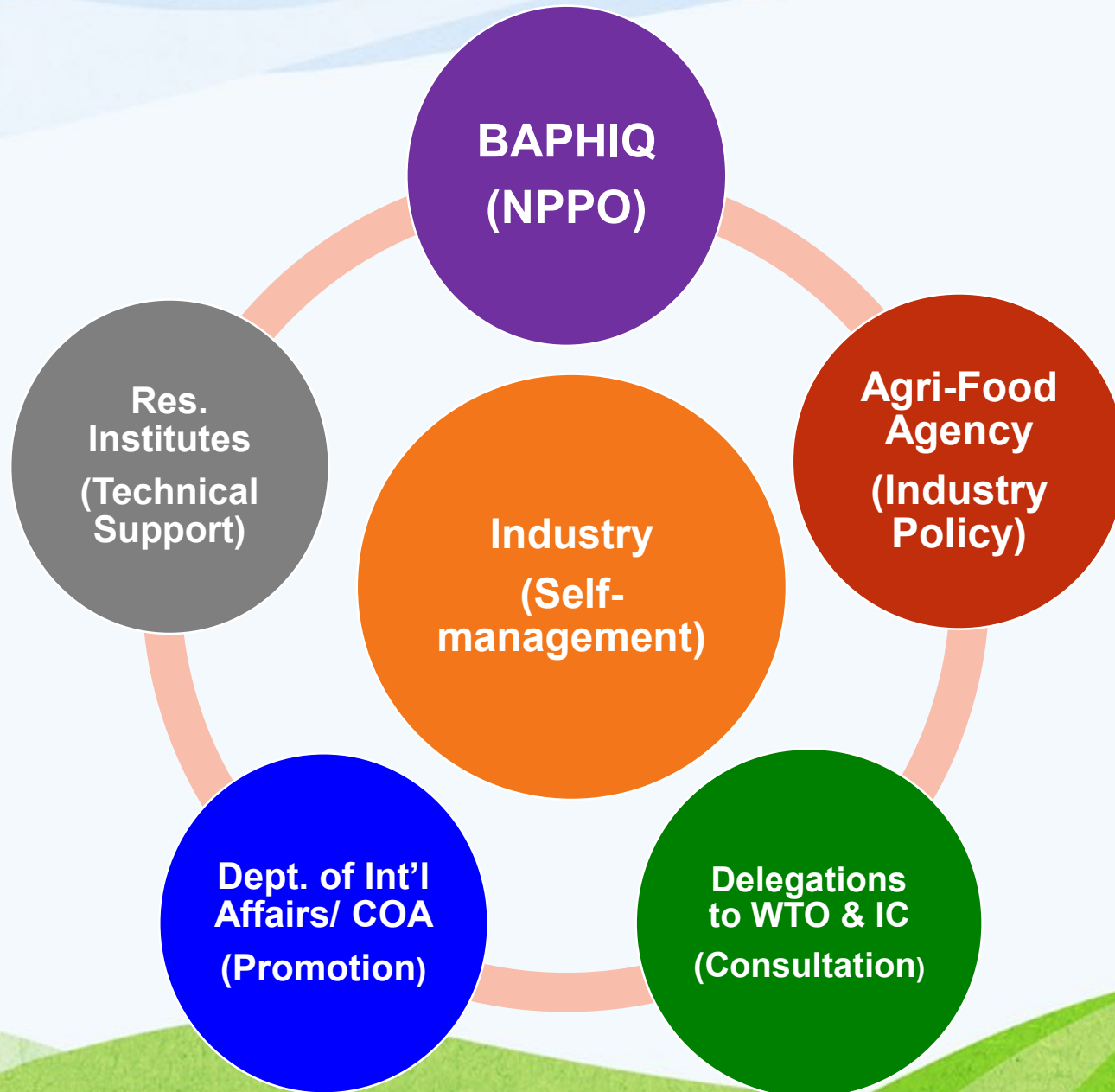
Case Study- Supporting the export of Taiwan's orchids

Cooperation of Government Agencies and Industry for Supporting the Export of Orchids

- ✓ **Importance:** Orchids are the most important ornamental crops for export
- ✓ **Issue to be resolved:** Overcome strict phytosanitary restrictions relating to **pests** associated with growing media imposed by importing countries
- ✓ **Objective:** Obtain the market access for orchids with growing media
- ✓ **SPS Agreement:** Article 2.2, 3, 4, 5, and 6



Roles of Government Agencies and the Industry



Outcome & Challenge

- ✓ **Export programs based on systems approach were accepted by AU, NZ and US**
- ✓ **Secure current markets by cooperation between agencies**
- ✓ **Efforts to have equivalent phytosanitary measures accepted by more importing countries**



Conclusion

- **BAPHIQ established the phytosanitary regulations to determine the risks of importing plants and plant products, and manage the risks of plant pests in accordance with risk analysis and sound science.**
- **In order to keep and expand export markets of Taiwan's agricultural products, BAPHIQ supports researches regarding plant pests and work with trading partners to eliminate unjustified phytosanitary requirements.**

Goals of Plant Quarantine



**Preventing harmful
organisms from
entering Taiwan**

**Promoting the export
of agricultural
products**

A vibrant, stylized illustration of a landscape. The sky is composed of horizontal, wavy bands of light blue and white. The ground features rolling green hills in various shades of green, with a dark brown path winding through them. On the left, there is a green tree with rounded foliage, a purple and pink flower, and a small orange bird flying upwards. The text 'THANK YOU FOR YOUR ATTENTION!' is written in a large, purple, outlined font across the center of the image.

THANK YOU FOR
YOUR ATTENTION!