



# The Mutual Benefits of Collaborative IPM Data Sharing Among International Agricultural Trade Partners

R E Stinner<sup>1</sup>, Yulu Xia<sup>1</sup>, Karl Suiter<sup>1</sup>, Waldemar  
Klassen<sup>2</sup> and Woodward D. Bailey<sup>3</sup>

<sup>1</sup>NSF Center for IPM, <sup>2</sup>University of Florida,  
<sup>3</sup>USDA/APHIS/PPQ/CPHST/PERAL





# Why Share Information?

On pests of agricultural, natural resources and animal health?

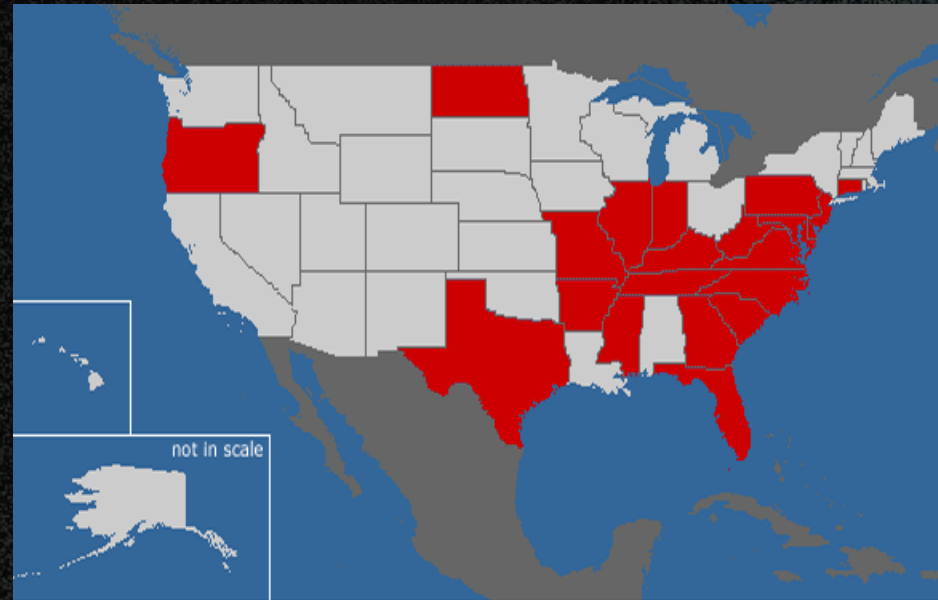


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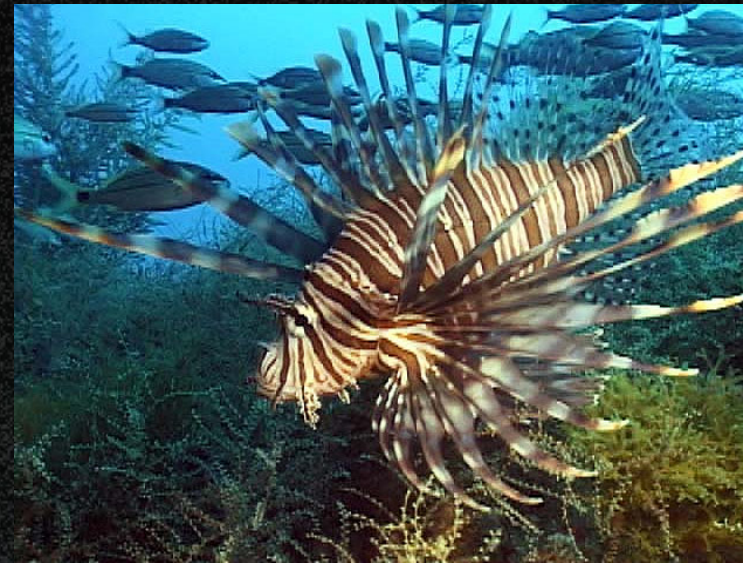


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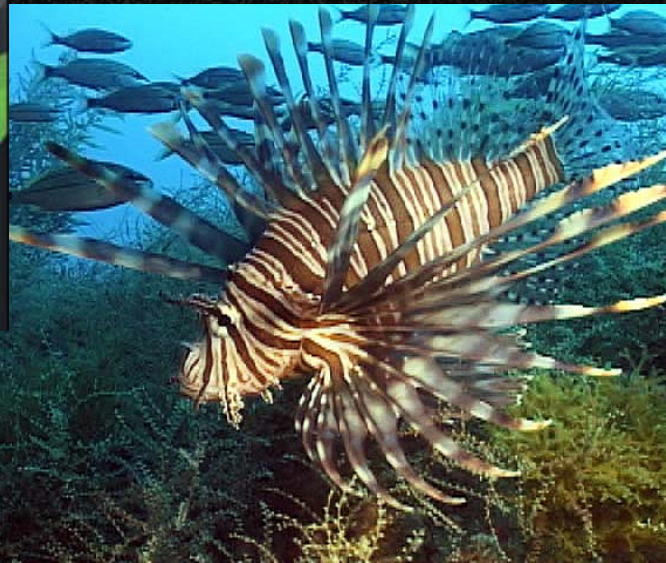


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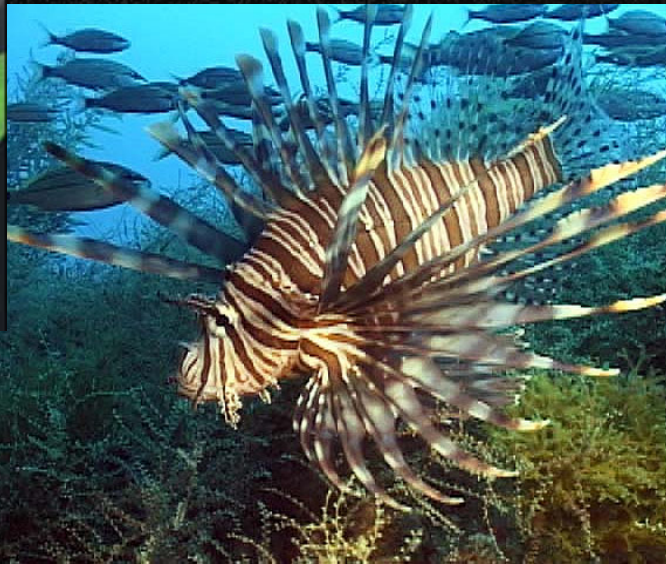


# Why Share Information?





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# **Selected OPI S Target Pests**

## **Plant Diseases**

**Brown Stripe Downy Mildew**

**Citrus black spot**

**Citrus greening (2)**

**Citrus tristeza virus**

**Downy mildew of corn (2)**

**Geminiviruses**

**Mal secco disease of citrus**

**Pierce's disease**

**Potato wart**

**Rice Bacterial Leaf Streak**

**Southern bacterial wilt**

**Sudden oak death**

**Sweet orange scab**

**Tospoviruses**

## **Animal Diseases**

**African horse sickness virus**

**African swine fever virus**

**Akabane virus**

**Classical swine fever virus**

**Exotic newcastle disease**

**Foot and mouth disease virus**

**Hendra virus**

**Highly pathogenic avian influenza**

**Japanese encephalitis virus**

**Malignant catarrhal fever virus**

**Menagle virus**

**Nipah virus**

**Rift Valley fever**

**Rinderpest virus**

**Swine vesicular disease virus**

**Venezuelan Equine Encephalitis**

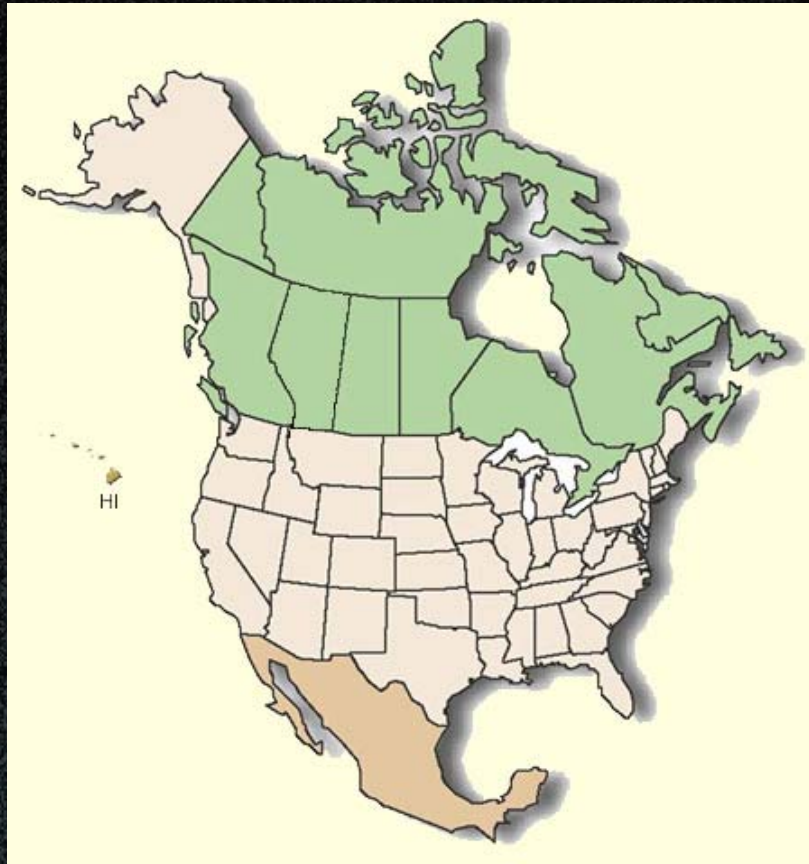


# Why Share Information

- USDA/APHIS has over 8,000 species that it considers “of concern” in port interceptions
- USDA/APHIS Offshore Pest Information System has entered over 1,000 biosecurity reports in less than 2 years
- Current serious concerns with avian influenza, mad cow disease globally



# Why Share Information: Global Trade





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# Why Share Information?

Information IS NOT Power,  
*The SHARING of Information IS*







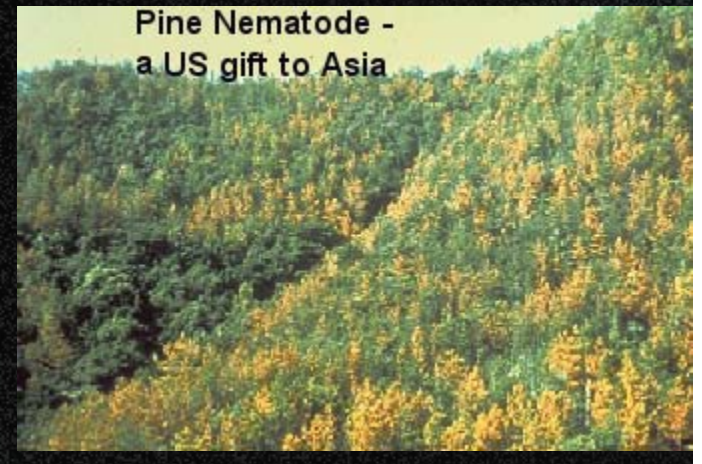
# Why Share Information

- Sharing is the law
- Sharing stops pests at home
- Sharing creates trust and partnerships
- Sharing opens other doorways
- Sharing helps at home
- Sharing doesn't mean total openness
- Sharing provides early warnings
- Sharing provides new expertise



# Sharing Is The Law

- World Trade Organization's Agreement on the Application of Sanitary and Phytosanitary Measures (SPS)
- IPPC mandates that contracting parties provide information regarding pest status to trading partners





# Sharing Stops Pests at Home

- No country has enough port inspectors
- Once a pest has moved...
- But pre-clearance activities can prevent, and
- Can open trade via mitigation at origin

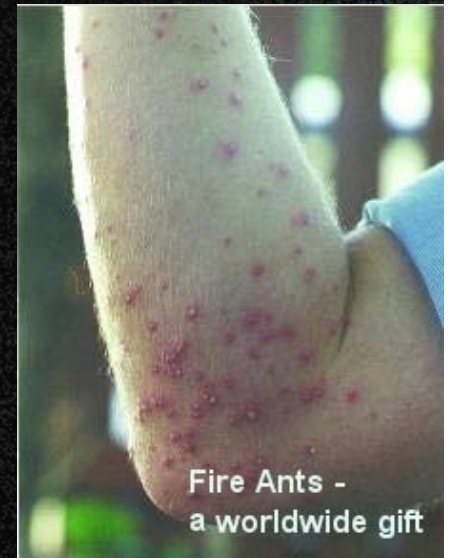




# Sharing creates trust and partnerships

Working together, globally or regionally

- Provides safety among trade partners
- Reduces development, maintenance costs of sharing systems
- Allows early warnings against shared potential pests
- Provides for regional planning and management of mobile pests





# Sharing opens other doorways

- Cooperation on
  - Targeting invasive spp
  - Environmental Protection
  - Health Issues
  - Endangered species/biodiversity
  - Understanding regional pest dynamics
  - Developing and using new technologies







# Sharing helps at home

- Same databases can be the basis for internal management systems
  - soybean rust system in US is now the basis for a planned federal IPM monitoring platform
  - DFI/Senegal database will include pesticide registration, historical crop yields, etc
  - GIS needed for crops at home as well as exports
  - CISWG has developed a proposal for a regional pest reporting system



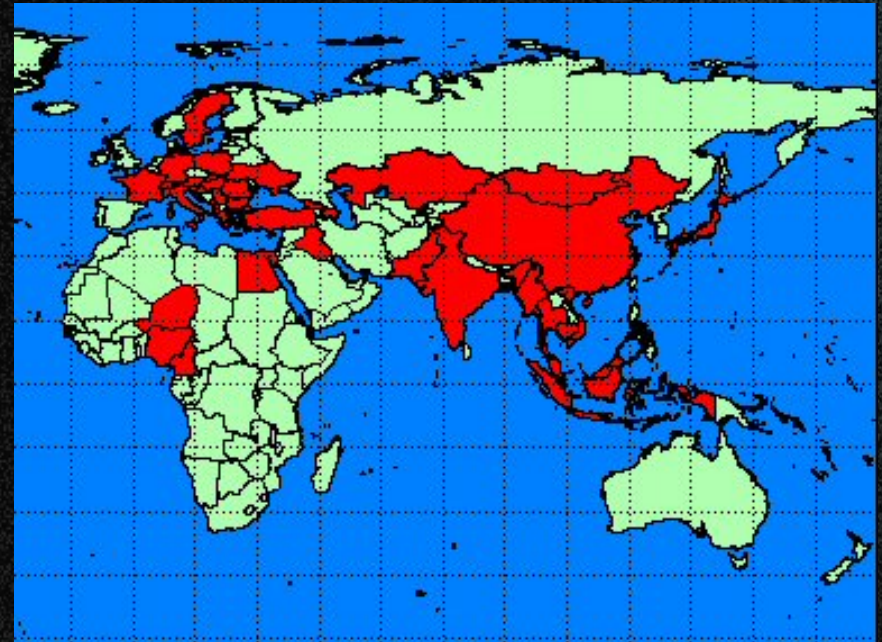
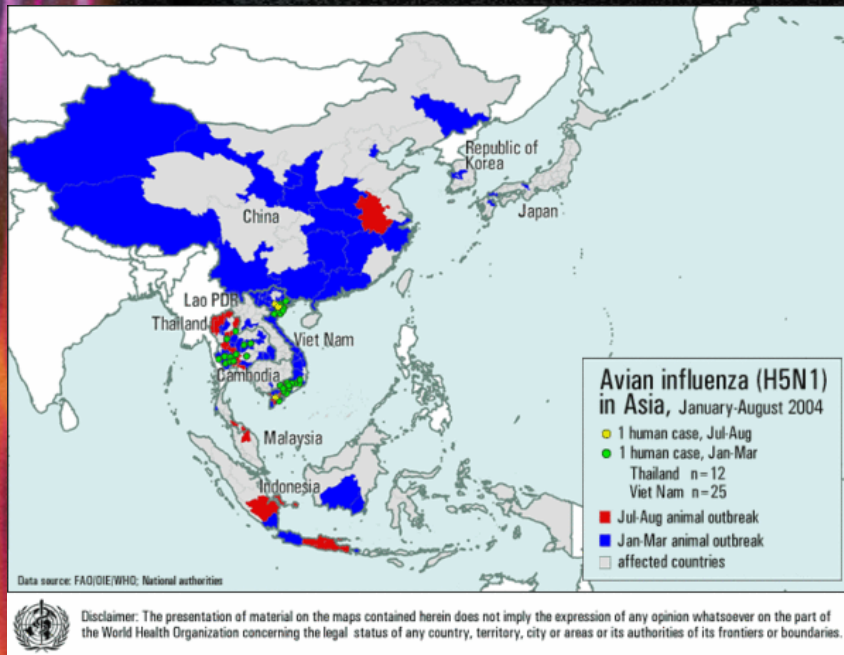
# Sharing doesn't mean total openness

- Economic costs: Need to be sure of problem
- Sometimes diplomacy is needed: help establish management plans
- Sometimes sharing regionally is more appropriate (e.g., CISWG)
- Is pest there? Are treatments in place?
- Some data, because of uncertainty or sensitivities may never be shared



# Sharing provides early warnings

## Avian Flu



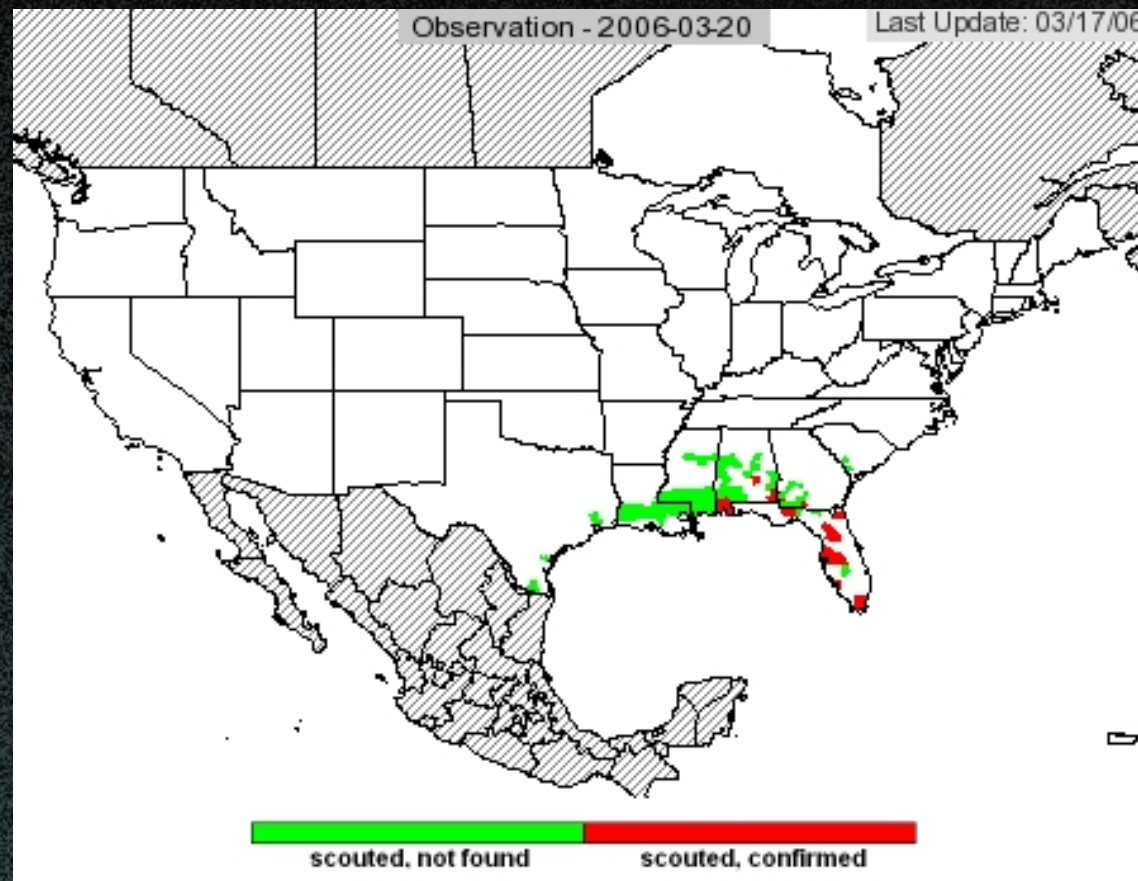


# Sharing provides early warnings

## Asian Soybean Rust

Mexico to US

Southern US states to north





# Sharing provides new expertise

- In a global community, we share because it is the right thing to do (e.g., CISWG)
- The Digital Freedom Initiative (USAID) has provided expertise in Senegal for the Senegalese government to establish their own pest and commodity online databases
- USDA/APHIS is providing training in PRAs and CRAs, for all partners' benefit
- Other countries have similar programs





# Why Share Information?

- Because we can
  - Computer technology
  - Communication technology
  - Standardized software platforms
- Because it can't be stopped
  - Email
  - Web Services
  - Aggregated News Feeds
  - Blogs
  - Instant Messaging
  - Search Engines