INVASIVE ALIEN SPECIES RISK ASSESSMENT

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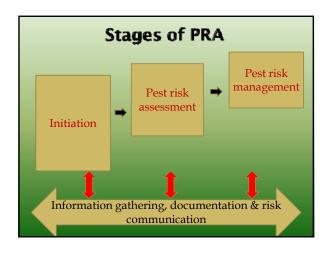


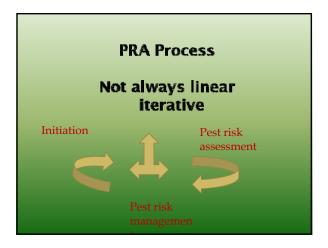
International standards for pest risk assessments

- ISPM 2Frame work for Risk Analysis
- ISPM 11
 Pest risk Analysis for Quarantine pests including analysis of environmental risks and living modified organisms
- ISPM 21 Pest risk Analysis for regulated non-quarantine pests

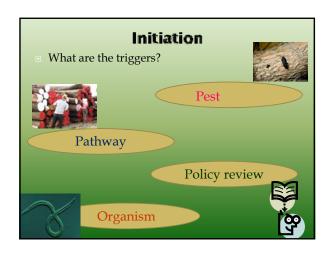
Types of risk assessments

- □ Pest-Pine wood nematode, stem borer
- Commodity/ pathway- pest associated with Teak logs from Malaysia
- Commodity itself- plants for planting, biological control agents









Pest

- Is it a pest? scientific evidence, history, impacts
- Define PRA areawhole country, separate states or island in a country, several countries, regions





Pathway

- A list of pests likely to be associated with the pathway
- E.g. Pests associated with pine logs from New Zealand

A Critical check

■ Is there a PRA? is it valid,

Networking

Pest risk assessment

- Pest categorization
- Probability of introduction and spread Require in-depth analysis
- Economic and environmental impacts

Pest categorization

- Can do with little information if sufficient
- Quick assessment (full assessment but done in less detail)
- Can decide a PRA requires or not ?
- If pest list can eliminate organisms before a full PRA is undertaken

Main aspects

- Identity
- □ Presence/absence in PRA area
- Regulatory status
- Potential for establishment and spread
- Potential for economic consequences

Risk Assessment

 Assessment of
 Introduction and spread in the endangered area (e.g. importing country)
 economic and environmental impacts

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Overall pest risk

Risk Management

 Identification of Phytosanitary measures to reduce the risk to an acceptable level

Critical control points, System approach, treatments

Cost effective & feasible

How to find information?

- Scientific publications or databases
- Pest records
- Pest reports
- Data from surveys
- Specimens
- Other risk analyses

TERMINOLOGY

ISPM 5

Invasive species
Invasive alien species

Pest



Examples of Risk assessments

 Pathway assessment -Eucalyptus chips & logs from Australia to the united states

http://www.fpl.fs.fed.us/documnts/fplgtr/fplgtr1 37.pdf

- PRA Pine wood nematode
 http://www.biosecurity.govt.nz/files/regs/imp
 orts/risk/pinewood-nematode.pdf
- EPPO PRA http://www.eppo.org/QUARANTINE/quarant ine.htm

ISPM 2

Frame work for Risk Analysis

ISPM 11

Pest risk Analysis for Quarantine pests including analysis of environmental risks and living modified organisms

ISPM 21 Pest risk Analysis for regulated non-quarantine pests

Questions?

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