

**Inaugural meeting of IUFRO Working Party 7.03.12**  
**Alien invasive species and international trade**  
**Radom, Poland**  
**July 3-7, 2006**

The scientific program will include daily formal oral and poster presentations as well as workshop discussions of the main topic areas outlined below.

**Introduction: Hugh Evans**

Why is the movement of invasive pests in international trade important and what is being done about it at the national and international levels. What science is available and what is needed to reduce these risks. How can IUFRO WG 7.03.12 help?

**THE PROCESS OF INVASIVENESS**

**Predicting Invasiveness – How to decide which pests and pathways are most important**

- Pest Risk Analysis overview
- Pathway analysis , high risk commodities
  - Trade in logs and wood products
    - Wood Packing materials (overview of ISPM 15)
    - Nursery stock

**Ecological Factors**

- Founder population dynamics, genetics / success with repeated introductions
- What physical or biological, life history traits make species more or less likely to:
  - Move in international trade in various pathways
  - Survive global movement
  - Reproduce, establish and spread after movement
  - Overcome mortality threats

**Interactions with the forest landscape**

- Establishment dynamics, range expansion
- Climate matching – based prediction & prevention
- High risk landscapes

**Genetic considerations**

- Effects of introducing genetic variation into existing pest populations
- Genetic plasticity
  - Development of improved fitness characteristics
  - Host range changes

**NURSERY STOCK AS A PATHWAY**

- What are the risks from germplasm?
- Regional/International Standards
  - NAPPO standard: content and status
  - Current status of IPPC standard development
- National regulatory approaches (country examples)
- Improving Black List systems
  - Sharing pest interception data
- Treatments/systems to reduce risks associated with nursery stock
- Relying on inspection systems: new methods and measuring reliability
  - Development of statistical sampling systems for quarantine inspectors
  - Rearing of insects and trapping or culturing of fungi vs inspection
  - Vectored organisms

**CONCLUSIONS [to apply to each topic session, with final session to bring together strands]**

- Identify critical gaps in knowledge that this group could address
- Research plans, collaborations
- Future topics
- Liaison with other groups
- Review scope of IUFRO WG 7.03.12