

Monday, May 26 **Optional Pre-conference Workshops**



New ant in Texas - species of *Paratrechina* near

Classroom 160I W - Instructional West Building

- 1:30 – 3:30 Exploring Patterns of Pest Infestation in WPM Using Interception Data
Drs. Allan Auclair and Craig Chioino (USDA_APHIS)
(Abstract on pg 10)
- 3:45 – 5:45 HACCP Planning as a prevention measure (27)
Dr. Jeffrey J. Herod (US Fish and Wildlife Service)
- 6:00 – 8:00 Happy hour cash bar & dinner (NOTE! Last meal served at 7 pm)

Tuesday, May 27 **630 – 830 Breakfast served in cafeteria**

Classroom 151I W - Instructional West Building

800 – 830 WELCOME

Ann Bartuska (Deputy Chief for Research & Development, USDA Forest Service)

Goals of this IUFRO Unit 7.03.12

Hugh Evans (UK Forestry Commission)
Kenji Fukuda (Univ. of Tokyo)

Logistics Kerry Britton (USDA Forest Service)



Port of Miami, Florida

* For multi-authored titles, the presenting author(s) name is underlined.

830 – 1000 INFORMATION SHARING SYSTEMS TO PREVENT INVASIVE SPECIES INTRODUCTION AND SPREAD

A pilot system to share invasive species checklist information globally through the global invasive species information network (44)

Annie Simpson * (US Geological Survey), Jim Graham, Elizabeth Sellers, and Michael Browne

Prediction, detection, and monitoring of invasive species in forests, rangeland, and aquatic ecosystems: a synthesis of USDA Forest Service – Rocky Mountain Research for marketing, education, and outreach (31)

Mee-Sook Kim, Jack L. Butler, Dean E. Pearson, Ned B. Klopfenstein, Michael K. Young, Jose F. Negron, Steve D. Sutherland, Jane K. Smith, and E. Durant McArthur

Information and knowledge support in global forest health
Gillian Allard (FAO-Rome)

EXFOR database: future directions
Marla Downing (USDA Forest Service)

Brazilian pepper tree forest in



1000-1030 ЖЖЖЖЖЖ Coffee Break ЖЖЖЖЖЖЖЖЖЖ

1030 – 1200 PREDICTING WHICH PESTS WILL BE INVASIVE

The pan-European inventory of alien species established on trees and shrubs, a tool for predicting taxa and ecosystems at risk - Final results of the DAISIE project (42)
Alain Roques (INRA Zoologie Forestière, France)

Spatial stochastic modeling to map introduction and spread risks for Sirex noctilio: concepts and data needs (53)
Denys Yemshanov, Frank Koch, Dan McKenney, Marla Downing and Frank Sapio (Canadian Forest Service)

Growth of nascent invading populations: lessons from the gypsy moth and emerald ash borer (32)
Andrew Liebhold, Patrick Tobin, Nathan Siegert, and Deborah McCullough (USDA Forest Service)

FORAGPROTECT: an invasive exotic species assessment and management system for forests and agricultural landscapes (11)
Dale R. Bergdahl, Ben E. Machin, and Daniel R. Ruddell

1200 - 1300 ◊◊◊◊◊◊ **Lunch** ◊◊◊◊◊◊

1300-1400 PREDICTING WHICH PESTS WILL BE INVASIVE, CONTINUED

Potential invasive arthropods and microorganisms associated with international trade – a Japanese case study (35)

Kimiko Okabe, Hayato Masuya and Hiroshi Makihara (Forestry and Forestry Products Research Inst., Tsukuba, Japan)

Assessing the hazard of *Phytophthora alni* in the United States (18)
Marla Downing, et al. (USDA FS)

Unintended consequences from an unlikely pathogen introduction: do we really know what we think we know? (21)

Matteo Garbelotto, Paolo Gonthier, and William J. Otrosina (USDA Forest Service)

1400- 1430 XXXXXX Coffee Break XXXXXXXXXXXXXXXX

1430 – 1700 SYSTEMS TO PREVENT INTRODUCTIONS



Pest risk analysis and challenges in plant for planting Pathway (43)
Shiroma Sathyapala (MAF Biosecurity, New Zealand)

Miami Plant Inspection Station – 45 inspectors and 1.3 BILLION plants per year

North American Plant Protection Organization Plants for Planting Standard Update (38)
Barbara Peterson and Kerry Britton (Canadian Food Inspection Agency)

International Plant Protection Convention developing standard for plants for planting (9)
William Aley (USDA-APHIS)

Early warning system against invasive alien fungal species entering Canada (12)
Jean Berube and Louis-Phillippe Vaillancourt (Natural Resources Canada)

Implementation of RSPM-24: Integrated pest risk management measures for the importation of plants for planting into NAPPO countries (47)
Christa Speekmann et al. (USDA APHIS)

What research is needed to improve systems to prevent introductions?
General discussion - Kerry Britton (USDA Forest Service)

Changing climate associated with increasing forest damage due to invasive pests in Maine, USA (32)
William Livingston, Matthey T. Kasson, Allison Kanoti, Sophia DeMaio (University of Maine)

Wednesday, May 28 FIELD TRIP Bus leaves Main Entrance @ 7 am

The trip will leave NCTC at 7 am and go to the Baltimore, MD area. We will stop at an urban forest/park area in Baltimore where we will see invasive plant, insect, and disease problems within the urban setting. From there we will proceed to the Port of Baltimore, the 14th largest port in the US. We will tour the port operations and hear from the people who work there inspecting cargo and preventing invasive species from entering the US. We will have a box lunch at a scenic recreation spot just outside of Baltimore. After lunch, we will go to Catoctin Mountain Park, a National Park located north of Frederick, MD. At the park, we will stop at the visitor's center and then head to the woods to see how the forests of the park have been impacted by invasive species including chestnut blight, gypsy moth, dogwood anthracnose, hemlock woolly adelgid, and invasive plants. From there it will be a short bus ride back to the NCTC for dinner.

Thursday, May 29 Entry Auditorium

800-1000 SYSTEMS TO PREVENT INTRODUCTIONS

EPPO approach in developing regional phytosanitary standards for forest commodities
 Andrei Orlinski (EPPO Secretariat) (37)

Curbing introductions of forest insects and diseases on plants for planting (15)
 Faith Campbell (The Nature Conservancy)

The role of Ghana's national plant protection organization in managing invasive alien species in international trade (50)
 Vesper Suglo (Plant Protection and Regulatory Services directorate, Ghana)

Hazard Analysis and critical control point (HACCP) planning: a 5-step approach to prevent unintentional introduction of non-native invasive species (27)
 Jeffrey J. Herod (US Fish and Wildlife Service)

Proactive quarantine-based research on nun moth: preventing introduction and establishment in North America (29)
 Melody Keena (USDA_Forest Service)

Integrating DNA barcoding into detection and surveillance programs for invasive species (28)
 Lee Humble (Canadian Forest Service)



Bark & mark on WPM

1000 – 1030 ☪☪☪☪ Coffee Break ☪☪☪☪

1030 – 1200 EARLY DETECTION AND RAPID RESPONSE

Monitoring and early detection of the Asian longhorned beetle (34)
Maya Nehme, Melody Keena, Aijun Zhang, and Kelli Hover (Pennsylvania State University)

Hazard site surveillance in Australia and the South Pacific – it never rains but it pours (24)
Mannon W. Griffiths, Judith King, Ross Wylie, and Simon Lawson (Dept of Primary Industries and Fisheries, Queensland, Australia)

Detection of pine stands damaged by pine wilt disease using IKONOS data (20)
Kenji Fukuda, Shin Ugawa, and Satoshi Tatsuhara (Univ. of Tokyo)

Exploiting Allee dynamics in the management of biological invasions (51)
Patrick C. Tobin and Andrew M. Liebhold (US Forest Service)

1200 - 1300 ◊◊◊◊◊◊ **Lunch** ◊◊◊◊◊◊

Resistant chestnut orchard in SW Virginia



1300 – 1430 MANAGING INVASIVE SPECIES

Identification of mechanisms and genetic markers of ash resistance to emerald ash borer (52)
Justin Whitehill, Nick Weidenbenner, Daniel Herms, Donald Cipollini, Jennifer Koch, and Pierluigi Bonello (Ohio State University)

Management of invasive forest pathogens in Switzerland (41)
Dan Rigling, WSL Swiss Federal Institute for Forest, Snow and Landscape Research

Using silviculture as a tool to minimize impacts of invasive species (24)
Kurt W. Gottschalk and Mary Ann Fajvan (USDA – Forest Service)

USDA’s Overseas Biological Control programs and opportunities
Mary Ellen Dix (USDA Forest Service)

1430 – 1500 ████████████████████ **Coffee Break** ████████████████████

1500 – 1700 INVASIVE SPECIES PATHWAYS & MITIGATIONS

Leaping borders and crossing county lines: explanations for invasion and spread of *Sirococcus conigenus* in North American forests. (48)

Glen Stanosz (University of Wisconsin)

Microwave treatment of insect-infested wood (27)

Kelli Hoover, Maya Nehme, & John Janowiak (Pennsylvania State University)

Transport of fungi on wood chips exported to the U.S. from Chile (22)

Jessie Micales Glaeser and Harold H. Burdsall (USDA Forest Service)

Firewood: Roles, responsibilities, and risks

James H. Buck (USDA APHIS-PPQ)

Proving that a pest is/isn't eradicated or can/can't spread out of the wood (51)

Adnan Uzunovic (FPInnovations-Forintek Division, Canada)

General Discussion: Data requirements for phytosanitary treatments

(led by Andnan Uzunovic)

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**THURSDAY EVENING HAPPY HOUR POSTER SESSION 1730 - 1830 pm**

**NOTE: LAST DINNER IS SERVED AT 1900 (7 pm!)**

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O'hi'a - Backbone of Hawai'i's terrestrial ecosystems and culture (14)

Karl Buermeyer (US Fish and Wildlife Service)

Invasive Pathogens, Altered Forest Management Regimes, and Global Trade:
A Knowledge and Vigilance Imperative (46)

Pauline Spaine and Bill Otrosina (USDA Forest Service)

Occurrence of the emerald ash borer, *Agrilus planipennis* in Russia and its potential
impact on European forestry (10)

Yuri Baranchikov (Russian Academy of Science)

Modeling the risk of Asian gypsy moth movement on ships from Asia to the United
States (20)

Glenn Fowler (USDA-APHIS-CPHST)

Current studies on wood packing and firewood (25)

Robert Haack (USDA Forest Service)



Bullseye Snakehead
spreading in Eastern US

1015 – 1100 IMPACTS OF INVASIVE SPECIES, CONTINUED

Using bioeconomic modeling tools to assess the impact of invasive species on forest's wood supply: a *Sirex noctilio* case study in Eastern Canada (54)
Denys Yemshanov (Canadian Forest Service)

Increasing global trade and climate change: co-factors increasing the international movement and establishment of forest pests (19)
Hugh Evans (Forest Research, UK)

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**1100-1200 Business Meeting:** Where and when shall we meet next?

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Emerald ash borer – looking for a ride to the airport?

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**1200 ---**      ◊◊◊◊◊◊      **Lunch & Depart**      ◊◊◊◊◊◊

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