

Emerging Invasive Species Workshop

Monday, July 11, 2016 (9:00a-4:00p)



National Wildlife Visitor Center
10901 Scarlet Tanager Loop, Laurel, MD 20708-4027
<http://www.fws.gov/refuge/Patuxent/visit/NWVC.html>

- 9:00 Doors open/Sign in, refreshments
- 9:30 Program begins. Welcome by MAEDN Coordinator and MAIPC President
- 9:45 Early Detection Efforts. Hilary Smith, Department of Interior Invasive Species Coordinator
- 10:00 Where Are All the New Weed Bio-control Agents? Stuck in Environmental Compliance. Robert Tichenor, U.S. Department of Agriculture
- 10:30 Invasive Insects. Mary Kay Malinoski, Maryland Extension Entomologist (Spotted lanternfly, Viburnum leaf beetle, Asian long-horned beetle)
- 10:50 Break
- 11:10 Invasive Plant Pathogens. David Clement, Maryland Extension (Thousand Cankers Disease, Boxwood Blight, Rose Rosette Disease)
- 11:30 Wavyleaf Basketgrass: Ecology and Control. Vanessa Beauchamp
- 12:15 Lunch*
- 1:00 Data Collection and Reporting: EDDMapS and MAEDN smart-phone app update. Chuck Bargeron
- 2:00 Field Exercise. Outside of Visitor Center; in groups
- 3:00 Review of field data
- 4:00 End of program
- 4:30 Building closes

***NOTE: No personal food is allowed in the facility. Lunch is provided with the cost of registration. If you bring your own lunch, you may eat it outside the visitor center.**

Cosponsors:

Maryland Extension Service ~ Maryland Invasive Species Council
Mid-Atlantic Early Detection Network ~ Mid-Atlantic Invasive Plant Council
University of Georgia, Center for Invasive Species & Ecosystem Health

Speakers/Abstracts

Hilary Smith is the Invasive Species Coordinator for the U.S. Department of the Interior based in Washington, D.C. She leads Department-wide invasive species action plans, policy initiatives, and working groups to manage the threat invasive species pose to the Nation's natural, cultural, historic, and tribal resources. Hilary also serves as the Department's Policy Liaison to the National Invasive Species Council Secretariat.

Abstract: This spring, the Department of the Interior released an interdepartmental report, *Safeguarding America's Lands and Waters from Invasive Species: A National Framework for Early Detection and Rapid Response*. The report proposes to stop the spread of invasive species through early detection and rapid response (EDRR) actions—a coordinated set of actions to find and eradicate potential invasive species before they spread and cause harm. The report, called for by the White House Council on Climate Preparedness and Resilience in its *Priority Agenda: Enhancing the Climate Resilience of America's Natural Resources* urges the National Invasive Species Council (NISC)—an interagency body created by Executive Order 13112—to provide leadership in early detection and rapid response for invasive species. Numerous NISC member departments assisted the Department of the Interior in the report's development, including the U.S. Department of Agriculture, Department of Commerce, the Environmental Protection Agency, State Department, and Department of Defense. The process also engaged multiple and diverse stakeholders from state and tribal governments, academic institutions, conservation organizations, and industry, among others. This presentation will provide an overview of the process to develop the report, its recommendations, and next steps for implementation.

Bob Tichenor earned his MS in Entomology at the University of Delaware. At the Maryland Department of Agriculture, he worked with gypsy moth and Mexican bean beetle biocontrol for 7 years and served as Program Manager in Forest Pest Management for 25 years. He has been the Permitting and National Policy Manager for Biocontrol at USDA APHIS since 2008.

Abstract: There has been a notable lack of new bio-control agents approved the past few years. Questions include "Why did APHIS turn off the spigot?" and "Is it worth trying to do this kind of research?" Mr. Tichenor will discuss what has been happening and not happening at APHIS to help explain the recent gap in approvals for new bio-controls. He'll also discuss why approval tends to take so long, what the process is going forward and offer some encouragement.

Mary Kay Malinoski is an Extension Specialist in entomology/IPM, (commercial horticulture and residential) at the Home and Garden Information Center, University of Maryland Extension. She has over 40 years of experience in plant pest/problem diagnostics, invasive species outreach, regional, and national IPM programming.

Abstract: The talk will cover the identification, biology, detection, reporting, and management of invasive insect pests of woody plants. These will include the spotted lanternfly, viburnum leaf beetle, and Asian long-horned beetle.

David L. Clement is an Extension Specialist in plant pathology/IPM, (commercial horticulture and residential) at the Home and Garden Information Center, University of Maryland Extension. He has over 40 years of

experience in plant pest/problem diagnostics, invasive species outreach, regional, and national IPM programming.

Abstract: The talk will cover the identification, biology, detection, reporting, and management of several plant pathogens, including thousand cankers disease, boxwood blight, and rose rosette disease.

Dr. Vanessa Beauchamp is a plant ecologist and Associate Professor in the Department of Biological Sciences at Towson University. Her research focuses on disturbance ecology, forest succession, ecosystem restoration, and the ecology and impacts of invasive plant species.

Abstract: Wavyleaf basketgrass (*Oplismenus undulatifolius*) was first discovered in the United States in 1996 in a state park outside of Baltimore, MD. The grass has since spread to thousands of acres throughout Maryland and Virginia. Recent research by faculty and students at Towson University and Hood College has conducted research on seed production, dispersal and germination rates, competition with other native and exotic grass species, effects on forest food webs, and ways to control its spread.

Chuck Barger received his M.S. in Computer Science from Georgia Southwestern University. He joined the UGA Bugwood group in 1999 and rose to the rank of Public Service Associate in 2014. His staff of nine at the Center for Invasive Species and Ecosystem Health have developed 59 websites and 52 smartphone applications.

Abstract: EDDMapS' primary goal is to discover the existing range and leading edge of invasive species while documenting vital information about the species and habitat using standardized data collection protocols. EDDMapS allows for data from many organizations and groups to be combined into one database to show a better map of the range of an invasive species. Goals of the current project include: integration of existing regional datasets, increased search options on EDDMapS website and coordination with local, state and regional organizations to develop early detection networks. After eleven years of development of EDDMapS, it has become clear that these local organizations are key to developing a successful early detection and rapid response network. This presentation will cover recent improvements and additions to the EDDMapS website and MAEDN smartphone apps.