



# **WEEDS ACROSS BORDERS**

CONGRESO MALEZAS SIN FRONTERAS • MAUVAISES HERBES SANS FRONTIÈRES

## **Weeds Across Borders 2012 Conference**

### **FINAL REPORT**

**August 21, 2012**

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## Overview

Weeds Across Borders (WAB) is a biennial trilateral conference that covers the interests of professionals and organizations involved in invasive plant management and regulation in North America. The first conference was held in Tucson, Arizona in 2002, and was organized by the Federal Interagency Committee for the Management of Noxious and Exotic Weeds (FICMNEW), a partnership of 17 United States federal agencies. It sought to address the problem of weeds from an expanded, continental perspective and emphasized that because weeds do not abide by political boundaries, extended cooperation and new partnerships are necessary.

Due to the success of the first conference, the WAB concept was translated into a biennial conference. In the years since, WAB conferences have been held in Minneapolis, Minnesota, USA (2004); Hermosillo, Sonora, Mexico (2006); Banff, Alberta, Canada (2008); Shepherdstown, West Virginia, USA (2010); and Cancun, Quintana Roo, Mexico (2012), and have attracted participants and presenters from across each nation. The goal of the WAB conference series is to provide a forum for educating, sharing, and disseminating knowledge about weed management, regulatory issues, and concerns regarding weed dispersal across and between North America's jurisdictional boundaries. Each conference is organized around an overall theme and includes presentations on a wide variety of topics and perspectives.

## 2012 Conference

The sixth biennial WAB conference was hosted by Mexico's Comisión Nacional para el Conocimiento y Uso de la Biodiversidad (CONABIO) and was held in Cancun, Quintana Roo, Mexico from April 24–27, 2012. The conference theme, "Meeting the Challenges of the Future," was conveyed through the following ten sessions: (1) Country Status Reports from Canada, Mexico, and the USA; (2) Tri-national Partnerships; (3) Policy Making, Regulation, and Border Control; (4) Socio-cultural Topics: Education, Outreach, and Working with Tribes; (5) Invasive Species and Climate Change; (6) Early Detection and Rapid Response; (7) Economic Impacts and Ecological Assessments of Invasive Plant Invasions; (8) Invasive Plant Diversity, Floristics, and Biogeography; (9) Invasion Ecology; and (10) Management and Control.

A total of 57 lectures and five poster presentations brought new invasive species issues, challenges, solutions, and programs to the forefront. Invasive plant experts from the three nations—including: local, state/provincial, and federal agency personnel, universities, non-governmental organizations, and the private sector—moderated each of the ten conference sessions (see Attachment 1: Conference Agenda).

In addition to three days of structured oral presentations, the WAB 2012 conference also included the following special sessions:

- A keynote lecture assessing the impacts of plant invaders on native plant species diversity by Dr. Marcel Rejmánek, a renowned evolution and ecology professor at the University of California-Davis;
- A Leadership Recognition Award was presented to Gina Ramos, USDI Bureau of Land Management Senior Weeds Specialist, by the WAB 2012 Coordinating Committee in recognition of her leadership, commitment, and dedication to the WAB conference series since its inception in 2002;
- A moving tribute to Dr. Leslie J. Mehrhoff, a member of the WAB 2010 Coordinating Committee, respected botanist and naturalist, and committed leader in the invasive species arena from New England (USA);
- An informal presentation by Jose Darwin Lopez, the Hotel Oasis Cancun's master gardener, who reported on the multitude of native and non-native plant species grown on the hotel grounds, and invasive species challenges he faces in his job;
- A lecture and sampling of local honey produced by indigenous peoples of the Yucatan peninsula;
- Field tours of Sian Ka'an Biosphere Reserve and Isla Contoy National Park on the final day of the conference; and
- As the final, official closing act of the WAB 2012 conference, CONABIO and members of the WAB 2012 Coordinating Committee passed the WAB banner to the Canadian delegation—Barry Gibbs, Executive Director, Alberta Invasive Species Council and Board of Directors, Invasive Species Council of British Columbia;

and Jennifer Grenz, Treasurer, North American Weed Management Association and Coordinator, Invasive Plant Council of Metro Vancouver—who will be part of the leadership team hosting the WAB 2014 conference in Canada.

The tri-national WAB 2012 Coordinating Committee—a group of individuals charged with organizing the 2012 conference—consisted of the following individuals:

*Dr. Patricia Koleff, Yolanda Barrios, and Georgia Born Schmidt*  
Comisión Nacional Para el Conocimiento y Uso de la Biodiversidad, Mexico

*Dr. Peter Egan*  
DoD Armed Forces Pest Management Board, USA

*Jenny Ericson*  
US Fish and Wildlife Service, USA

*Elizabeth Galli-Noble and Emily Rindos*  
Center for Invasive Plant Management, Montana State University, USA

*Dr. Francisco Espinosa Garcia*  
Universidad Nacional Automoma de Mexico

*Cory Lindgren*  
Canadian Food Inspection Agency

*Gina Ramos*  
USDI Bureau of Land Management, USA

*Mary Ann Rondinella*  
USDOT Federal Highway Administration, USA

*Dr. Heike Vibrans*  
Colegio de Postgraduados en Ciencias Agricolas, Mexico.

## Planning and Implementation

With the guidance of the full WAB 2012 Coordinating Committee, CONABIO and the Center for Invasive Plant Management (CIPM) at Montana State University initiated the process of planning the WAB 2012 conference in



*Left:* Gina Ramos was presented with an award for her leadership, commitment, and dedication to the WAB conference series. *Right:* WAB 2012 Coordinating Committee members pass the WAB banner to the leadership team that will host WAB 2014 in Canada. From left: Georgia Born-Schmidt, Dr. Patricia Koleff, Dr. Peter Egan, Gina Ramos, Elizabeth Galli-Noble, Jennifer Grenz, and Barry Gibbs.

spring 2011. Over the subsequent six months and through a series of conference calls hosted by CIPM, the conference date and location were chosen, a preliminary agenda was outlined, the WAB 2012 conference website was launched, and a Request for Papers was released. Once this basic conference strategy was in place, the leadership team turned their focus to: securing conference support and funding, advertising the event, populating the website, and inviting and securing conference moderators and presenters. The Committee met frequently from fall 2011 through early April 2012 in preparation for the conference.

CONABIO and CIPM functioned as the primary event organizers and facilitators for the WAB 2012 conference. As outlined in WAB funding contracts and work plans, CONABIO and CIPM performed the following duties, and accomplished the following tasks during the period of April 2011 to December 31, 2012:

- CONABIO and CIPM worked closely with the sponsoring agencies and WAB 2012 Coordinating Committee members on the overall planning and coordination of the conference.
- CONABIO wrote, submitted, and secured \$4,500 in funding from Mexican funders, and contributed an additional \$35,538 in CONABIO staff time in support of the WAB 2012 conference.
- CIPM wrote, submitted, and secured \$35,000 in funding from US sponsors in support of the WAB 2012 conference; CIPM also contributed an additional \$5,000 in staff time in support of the event.
- CONABIO established an e-mail account to serve as the primary communications channel between conference organizers and participants.
- CONABIO established an account with an online event marketing service to facilitate conference registration and payments.
- CONABIO and CIPM provided administrative oversight and conference fiscal management for WAB 2012, including: staff supervision, contracting, subcontracting, purchasing, invoicing, payments, and travel expense reimbursements.
- CIPM hosted more than a dozen tri-national Coordinating Committee conference calls.
- Using the CIPM-hosted WAB 2010 website as a model ([www.weedcenter.org/wab/2010](http://www.weedcenter.org/wab/2010)), CIPM developed and populated the WAB 2012 conference website ([www.weedcenter.org/wab/2012](http://www.weedcenter.org/wab/2012)). CIPM and CONABIO developed bilingual website content, including the conference agenda, request for papers, registration, and information on travel and accommodations. CIPM will continue to host and maintain both of these websites into the future (an additional in-kind contribution).
- CONABIO contacted suppliers of eco-friendly conference materials, and organized the purchase of bags and binders (with the WAB logo) and biodegradable sunscreen and mosquito repellent, as requested by the Comisión Nacional de Áreas Naturales Protegidas (CONANP) for the field tours.
- CONABIO translated all website and conference binder content, including speaker bios and abstracts from their original language to either Spanish or English, so that all conference materials would be available in both languages.
- CONABIO's communications department designed name tags and diplomas and adapted the WAB logo into the format needed to print the materials.
- CIPM assisted CONABIO with conference registration, preparation of conference materials, and event marketing (via posters, flyers, newsletter articles, and CIPM's website and communications network).
- CIPM sent invitation letters to English language speakers and CONABIO sent invitation letters to Spanish language speakers whose presentations were accepted by the WAB 2012 Coordinating Committee.
- CIPM established a secure, online file sharing account to exchange conference documents, including PowerPoint presentations.
- CONABIO made arrangements for conference facilities, translators, audio visual equipment, technical support, and other on-site conference activities for participants at the Hotel Oasis Cancun in Cancun, Mexico.
- CONABIO contacted the Mesoamerican Biological Corridor offices to arrange the honey sampling session with local producers.
- CONABIO contacted the main and local offices of CONANP and their site operators to organize logistical and communications details needed for the field trips. CONABIO assisted CONANP during the field tours.

- CONABIO facilitated the WAB conference, and presented and moderated several conference sessions.
- CIPM organized three conference sessions and moderated one conference session.
- CIPM and CONABIO coordinated all speaker travel and accommodations assistance, and processed financial travel paperwork for approximately 30 conference presenters.
- CONABIO sent participation thank you letters to all presenters after the conference, and reminders letters to send their extended abstracts for the Proceedings.
- CONABIO is producing the Proceedings of the Sixth Biennial Weeds Across Borders Conference (predicted to be complete by October 2012).
- CIPM will post the Proceedings on the WAB 2012 website, making them available to the participants and other private and public entities (predicted to be completed in November or December 2012).
- CIPM wrote and has submitted final conference reports to US funders and sponsors (August 2012).

## **Funding and Sponsorship**

Support for the WAB 2012 conference came from the pooling of limited funding and sponsorship resources, in combination with *pro bono* support services, which were contributed from a wide variety of American, Canadian, and Mexican individuals, agencies, companies, and organizations (see Attachment 2: Budget Summary).

CIPM and CONABIO staff support, travel assistance, contracted services, communications, supplies, and the development and distribution of conference materials and publications were funded through cash contributions made by:

- CONABIO – \$35,538
- USDI Bureau of Land Management – \$10,000
- National Fish and Wildlife Foundation and USDA Animal and Plant Health Inspection Service – \$5,000
- USDOT Federal Highway Administration – \$20,000
- Comisión Nacional de Áreas Naturales Protegidas (CONANP) – \$4,500
- Instituto Mexicano de Tecnología del Agua (IMTA) – \$1,000

*Total cash support: \$76,038*

In-kind contributions of services and materials were made (and in some cases, will continue to be made) by CONABIO, CIPM, BLM, APHIS, Dow AgroSciences, Invasive Plant Control, Inc., and CONANP.

Furthermore, support and event leadership were provided by CONABIO, BLM, CIPM, and FICMNEW, many of whom have contributed these same services, along with organizational and financial support, for most or all of the past WAB conferences.

## **Accomplishments and Deliverables**

The WAB 2012 conference was a great success, as demonstrated by the wide array of participants (see Attachment 3: Participant List). Eighty-one individuals attended WAB 2012, more than half of whom were from Mexico—a welcomed shift from the typically American-dominated norm for WAB events. Conference participants came from 14 US states, four Canadian provinces, and four countries (Canada, Mexico, Trinidad and Tobago, and the USA), and represented non-governmental organizations, Tribes, the private sector, universities and Extension, local governments, state, provincial, and federal agencies and departments.

As part of their coordination of the event, CONABIO is in the process of developing the Proceedings of the Sixth Biennial Weeds Across Borders Conference, which are projected to be completed by October 2012. The Proceedings will include a select number of conference manuscripts, conference presentation and poster abstracts, a complete list of sponsors, as well as an introduction to and overview of the WAB conference series.

### *WAB 2012 Website*

The comprehensive conference website ([www.weedcenter.org/wab/2012](http://www.weedcenter.org/wab/2012)), hosted, developed, populated, and maintained by CIPM, contains links to the conference agenda; speaker PowerPoint presentations, abstracts, and

bios; previous WAB conference Proceedings; photos; and more. Furthermore, the website was designed in such a way that it can be quickly replicated for future WAB conferences. WAB 2012 Proceedings will be posted upon completion.

*Collaboration with the North American Invasive Species Network*

One final, fortuitous aspect of the WAB 2012 conference was the fact that it was combined with the North American Invasive Species Network (NAISN) Annual Workshop and Board of Director's meeting. By combining these two tri-national events, travel time and expenses for participants were saved, resources were pooled, costs were cut, and networking and information exchange was greatly enhanced. CIPM also secured funding for the NAISN meeting and coordinated the event with Algoma University (Saute St. Marie, Ontario, Canada) and CONABIO. CIPM's summary report of the NAISN meeting can be viewed at: [www.naisn.org](http://www.naisn.org).

## Attachment 1: Conference Agenda

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### TUESDAY, APRIL 24

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8:30 Welcome  
*Isabel González, Comisión Nacional Para el Conocimiento y Uso de la Biodiversidad (CONABIO)*

#### **Session 1: Country Status Reports**

*Moderator: Isabel González, CONABIO*

8:50 Mexico Update  
*Patricia Koleff, CONABIO*

9:10 Canada Update  
*Cory Lindgren, Canadian Food Inspection Agency*

9:30 US Update  
*Bonnie Harper-Lore, US Invasive Species Advisory Council*

#### **Session 2: Tri-national Partnerships**

*Moderator: Pete Egan, US Department of Defense*

10:20 North American Weed Management Association (NAWMA): History and Future  
*Julie Kraft and Jennifer Grenz, NAWMA Board of Directors*

10:40 North American Plant Protection Organization (NAPPO)  
*Norma Alejandra Elizalde Jiménez, Subdirección de Armonización y Evaluación Internacional*

11:00 Strategy for the Conservation of an Area of Binational Interest: Big Bend–Rio Bravo  
*Carlos Alberto Sifuentes Lugo, Comisión Nacional de Áreas Naturales Protegidas*

11:20 North American Invasive Species Network (NAISN)  
*Pedro Antunes, Isabel González, and Alycia Crall, NAISN Board of Directors*

11:40 Panel Discussion: NAWMA, NAPPO, NAISN, CONABIO, Federal Interagency Committee for the Management of Noxious and Exotic Weeds (FICMNEW), and Canadian Invasive Species Council

#### **Session 3: Policy Making, Regulation, and Border Control**

*Moderator: Gina Ramos, USDI Bureau of Land Management*

1:00 Import of Allochthonous Banyans (*Moracea ficus*) in North America and Simultaneous Entry of Ramphotyphlops Braminus (*Reptilia tiphlopidae*) through a Shared Entry Route  
*Christian Amador Da Silva, Prospección de Campo A.C.*

1:20 Weeds in the Rio Grande and Colorado River Basins  
*David Negrete, Comisión Internacional de Límites y Aguas*

1:40 Revising Alberta's Provincial Weeds List: Experiences and Lessons Learned  
*Alec McClay, McClay Ecoscience*

2:00 The Case for International Cooperation  
*Bonnie Harper-Lore, Private Consultant*

2:20 US Policy Developments in Preventing Introductions of New Weeds  
*Peter Jenkins, Center for Invasive Species Prevention*



#### **Session 4: Socio-cultural Topics: Education, Outreach, and Working with Tribes**

*Moderator: Liz Galli-Noble, Center for Invasive Plant Management*

- 3:00 Welcoming the Future by Respecting the Past: A Thirty-five Year Personal History of Local Weed Control in Park County, Wyoming  
*Bob Parsons, Park County (Wyoming) Weed and Pest Control District*
- 3:20 Social Media: The Post-brochure Era in Outreach  
*Jennifer Grenz, Invasive Plant Council of Metro Vancouver*
- 3:40 Implementing Noxious Weed Management in Tribal, County, State, and Federal Multi-Jurisdictional Settings  
*Virgil Dupuis, Salish Kootenai College*
- 4:00 Canada: Organizing Nationally  
*Barry Gibbs, Alberta Invasive Plants Council and Canadian Invasive Species Council*
- 4:10 Positive Actions, Healthy Environments: Changing Behavior to Protect Our Resources from Invasive Species  
*Barry Gibbs, Alberta Invasive Plants Council and Canadian Invasive Species Council*

#### **Special Session**

- 5:10 Tribute to Dr. Leslie J. Mehrhoff  
*Chuck Bargeron, Center for Invasive Species and Ecosystem Health*

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#### **WEDNESDAY, APRIL 25**

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- 8:00 Introduction to Keynote Speaker  
*Georgia Born-Schmidt, CONABIO*
- 8:05 Keynote Address: Assessing the Impacts of Plant Invaders on Native Plant Species Diversity  
*Dr. Marcel Rejmánek, University of California–Davis*

#### **Session 5: Invasive Species and Climate Change**

*Moderator: Jenny Ericson, US Fish and Wildlife Service*

- 9:00 Invertebrate-Invasive Plant Relationships Shifted by Global Change  
*Gabriela Chavarria, US Fish and Wildlife Service*
- 9:20 Invasive Species and Climate Change in the National Wildlife Refuge System  
*John Schmerfeld, US Fish and Wildlife Service, National Wildlife Refuge System*
- 9:40 Detecting and Modeling Invasive Species at Multiple Spatial Scales Across the United States  
*Nicholas Young, Colorado State University, Natural Resource Ecology Laboratory*
- 10:00 Invasive Species Potential Niche Modeling Challenges in Current and Global Change Projected Conditions  
*Enrique Martínez-Meyer, Instituto de Biología, Universidad Nacional Autónoma de México*

#### **Session 6: Early Detection and Rapid Response**

*Moderator: Julie Kraft, Sublette County (Wyoming) Weed and Pest District*

- 10:40 History of Early Detection and Rapid Response in the United States  
*Chuck Bargeron, Center for Invasive Species and Ecosystem Health*
- 11:00 Early Detection and Rapid Response Efforts in Canada  
*Cory Lindgren, Canadian Food Inspection Agency*
- 11:20 Preliminary Results of Weed Distribution Models in Mexico  
*Jesús Alarcón Guerrero, CONABIO*

- 11:40 Developing Cost-effective Early Detection Networks for Regional Invasions  
*Alycia Crall, Colorado State University*
- 12:00 EDRR: From National Issues to On-the-ground Implementation  
*Julie Kraft, Sublette County (Wyoming) Weed and Pest District*

### **Session 7: Economic Impacts and Ecological Assessments of Invasive Plant Invasions**

*Moderator: Cory Lindgren, Canadian Food Inspection Agency*

- 1:30 Effects of *Cryptostegia grandiflora* in Oasis Fauna in the Baja California Peninsula: Perspectives for Eradication  
*Ricardo Rodríguez-Estrella, Centro de Investigaciones Biológicas del Noroeste*
- 1:50 Satisfying the Compact: A Look at the Economic Impact of Cleaning the Republican River  
*Jennifer Rittenhouse ten-Bensel, Southwest Nebraska RC&D*
- 2:10 Economic Impacts of Invasive Species on Annette Island Reserve, Alaska  
*Gina Ramos on behalf of Genelle Winter, Metlakatla Indian Community*
- 2:30 Tamarisk in Sonora: Are We Losing Biodiversity?  
*Ek del Val, Centro de Investigaciones en Ecosistemas, Universidad Nacional Autónoma de México*
- 2:50 IMPLAN's Role in Invasive Plant Research and Management  
*Jennifer Thorvaldson, MIG, Inc.*
- 3:30 Monitoring of the Defoliator Beetle (*Diorhabda* spp.) of Saltcedar (*Tamarix* spp.) in the Rio Grande and Conchos Rivers in the Chihuahuense Desert of Mexico  
*Pablo Zamorano, Instituto Nacional de Ecología*
- 3:50 Preliminary Project to Modify Official Mexican Norm NOM-043-FITO-1999: Specifications to Prevent the Introduction of Quarantine Weeds into Mexico  
*Gustavo Torres, SENASICA-SAGARPA*
- 4:10 Weeds Found in Transgenic Cotton (*Gossypium hirsutum*) Agrosystems in La Laguna, Durango  
*Cándido Márquez Hernández, Escuela Superior de Biología, Universidad Juárez del Estado de Durango*

### **Poster Session**

*Moderator: Isabel González, Comisión Nacional Para el Conocimiento y Uso de la Biodiversidad (CONABIO)*

- 4:30 A Guide to the Identification and Control of Exotic Invasive Species in Hardwood Forests  
*Lisa Derickx, Invasive Species Research Institute*
- 4:35 The Emergence of Parthenium (*Parthenium hysterophorous*) as a Trans-border Invasive Weed in the Caribbean  
*Puran Bridgemohan, University of Trinidad and Tobago*
- 4:40 Conservation Implications of *Lantana camara*: Research in Progress  
*Christie Sampson, Clemson University*
- 4:45 Weeds as a Disturbance Indicator in the Temperate Forest of the Magdalena River Basin  
*Yuriana Martínez-Orea, Universidad Nacional Autónoma de México*
- 4:50 The Plants of Canada Database  
*Karen Castro, Canadian Food Inspection Agency*
- 4:55 Control of Invasive Australian Pine (*Casaurina equisetifolia*) in the Flora and Fauna Protection Area of Nichupté  
*Natalia Blancas, Comisión Nacional de Áreas Protegidas*
- 5:30 Sampling of local honey

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## THURSDAY, APRIL 26

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### Session 8: Invasive Plant Diversity, Floristics and Biogeography

Moderator: Heike Vibrans, *Colegio de Postgraduados en Ciencias Agrícolas*

- 8:00 Are the Hotspots of the Floristic Richness of Mexico Also the Hotspots for the Synanthropic Richness?  
*José Luis Villaseñor, Instituto de Biología, Universidad Nacional Autónoma de México*
- 8:20 Do Historical Disturbance Patterns Matter for Present-day Invasion Success?  
*Heike Vibrans, Colegio de Postgraduados en Ciencias Agrícolas*
- 8:40 A Synopsis of the Native and Introduced Weedy Grasses of Mexico  
*Jorge Gabriel Sánchez Ken, Instituto de Biología, Universidad Nacional Autónoma de México*
- 9:00 Condition of Invasive Weeds in Zacatecas  
*E. David Enríquez, Universidad Autónoma de Zacatecas*
- 9:20 Mexican Aquatic Weeds: Distribution and Importance  
*Jaime Raúl Bonilla-Barbosa, Centro de Investigaciones Biológicas, Universidad Autónoma del Estado de Morelos*

### Session 9: Invasion Ecology

Moderator: Francisco Espinosa-García, *Universidad Nacional Autónoma de México*

- 10:00 Two Strategies Are Better than One for a Successful Plant Invasion: Sexual Reproduction Versus Vegetative Propagation and the Invasive Common Reed (*Phragmites australis*)  
*Arnaud Albert, Université de Montréal*
- 10:20 Ecophysiological Traits of Invasive Plants: Are There Similarities Across Photosynthetic Pathways?  
*Erick de la Barrera Montpellier, Universidad Nacional Autónoma de México*
- 10:40 Demography of Invasive Plant Species with Emphasis on *Kalanchoe delagoensis*  
*Jordan Golubov, Universidad Autónoma Metropolitana*
- 11:00 Invasive Plant Spread Rate Estimation as a Risk Assessment Criterion for Naturalized Species  
*Francisco Espinosa García, Universidad Nacional Autónoma de México*
- 11:20 Ecological and Anthropogenic Criteria for Mapping Invasive Plant Susceptibility in Mexico  
*Ek del Val, Centro de Investigaciones en Ecosistemas, Universidad Nacional Autónoma de México*

### Session 10: Management and Control

Moderator: Nelroy Jackson, *Monsanto (retired) and former ISAC Vice Chair*

- 1:00 Actions of the National Commission for Natural Protected Areas on Invasive Alien Species: Weeds in Natural Protected Areas  
*Margarita García Martínez, Comisión Nacional de Áreas Naturales Protegidas*
- 1:40 Approaches to the Planning and Implementation of Large Scale Invasive Alien Plant Control Programs in Southern Africa  
*Andrew E.M. Brown, Independent Consultant*
- 2:00 Managing Invasive Weed Species Using Integrated Vegetation Management Principles  
*Richard Lee, USDI Bureau of Land Management*
- 2:20 Problems and Management of Invasive Aquatic Weeds in Mexico  
*Maricela Martínez, Instituto Mexicano de Tecnología del Agua*
- 3:00 Understanding resistance to glyphosate inheritance in *Amaranthus palmeri*: recent advances and remaining conundrums  
*Daniela Ribeiro, Mississippi State University*

- 3:20 Slowing the Spread of Invasive Species through Pathway Management: The Don't Move Firewood Campaign  
*Leigh Greenwood, The Nature Conservancy*
- 3:40 Casuarina in the Sian Ka'an Biosphere Reserve  
*Yadira Gómez Hernández, Comisión Nacional de Áreas Naturales Protegidas*
- 4:00 Control and Eradication of Giant Reed (*Arundo donax*) in the Cuatrociénegas Flora and Fauna Protection Area  
*Martin Alfonso Carillo Lomas, Comisión Nacional de Áreas Naturales Protegidas*
- 4:20 Team Arundo: A Partnership for Management and Control of Giant Reed (*Arundo donax*) and Restoration of Habitat in Southern California  
*Nelroy Jackson, Monsanto (retired) and former ISAC Vice Chair*
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## **FRIDAY, APRIL 27**

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### **Field Tours**

There are three options for the field tour:

1. Sian Ka'an Biosphere Reserve
2. Isla Contoy National Park
3. Nichupté Mangroves Flora and Fauna Protection Area (half-day trip)

## Attachment 2: Budget Summary

Budget Category	Estimated Expenses	Actual Expenses <sup>1</sup>
<b>Sponsor 1. USDOT Federal Highway Administration, Quotation Budget</b>		
Labor		
3 CIPM staff .....	\$6,300	\$5,000
Travel		
Assisted 13 presenters with travel expenses .....	\$12,000	\$11,000
Supplies and Materials .....	\$430	\$0
Contracted Services		
Spanish–English translations .....	\$100	\$2,840
Other Expenses		
Communications .....	\$400	\$390
Total Direct Costs .....	\$19,230	\$19,230
IDCs (4%) .....	\$770	\$770
	<i>Project Total Cost</i>	<i>Project Total Cost</i>
	\$20,000	\$20,000
<b>Sponsor 2. USDI Bureau of Land Management, Grant Budget</b>		
Salaries and Benefits		
CIPM staff .....	\$5,510	\$5,000
Travel		
Assisted 5 presenters with travel expenses .....	\$2,600	\$2,510
Supplies	\$150	\$0
Contracted Services		
Spanish–English translations .....	\$100	\$1,000
Other Expenses		
Communications .....	\$150	\$0
Total Direct Costs .....	\$8,510	\$8,510
IDCs (17.5%) .....	\$1,490	\$1,490
	<i>Project Total Cost</i>	<i>Project Total Cost</i>
	\$10,000	\$10,000
<b>Sponsor 3. National Fish and Wildlife Foundation and USDA–APHIS Contribution</b>		
Travel		
Assisted 7 presenters with travel expenses .....	\$4,500	\$4,800
Other Expenses		
Miscellaneous .....	\$300	\$0
Total Direct Costs .....	\$4,800	\$4,800
IDCs (4%) .....	\$200	\$200
	<i>Project Total Cost</i>	<i>Project Total Cost</i>
	\$5,000	\$5,000
<b>Sponsor 4. Comisión Nacional de Áreas Naturales Protegidas (CONANP) Contribution</b>		
Field Tours .....	—	\$4,500

<sup>1</sup>Rounded to the nearest US Dollar

<b>Budget Category</b>	<b>Estimated Expenses</b>	<b>Actual Expenses<sup>1</sup></b>
<b>Sponsor 5. Comisión Nacional para el Conocimiento y Uso de la Biodiversidad (CONABIO) Budget</b>		
Travel		
Assisted 30 presenters with travel expenses .....	—	\$23,425
Other Expenses		
Miscellaneous .....	—	\$12,113
	<i>Total Direct Costs</i>	\$35,538
<b>Sponsor 6. Instituto Mexicano de Tecnología del Agua (IMTA)</b>		
General Support .....	—	\$1,000
	<i>Total Conference Cost</i>	\$76,038

### **In-Kind Contributions**

#### *In-Kind Services*

CONABIO contributed staff time (15 people) to coordinate and facilitate the conference, and to complete the Weeds Across Borders 2012 Conference Proceedings.

CIPM contributed staff time (3 people) during conference planning and closure phases at an estimated total cost of \$5,000.

#### *Educational Materials Contributions*

- CIPM – 1,000 Leave No Weeds plastic hang tags
- Steve Manning, Invasive Plant Control, Inc. – educational materials and bag stuffers
- Pat Burch, Dow AgroSciences – educational materials
- Al Tasker, USDA–APHIS – 250 conference bags
- Gina Ramos, BLM – printed materials
- CONABIO – honey sampling and maps of native honey production areas, 250 conference bags, binders with conference information, and biodegradable sunblock and sunscreen for field tours.

#### *Other In-Kind Contributions*

More than 50 moderators and presenters contributed their time to prepare and present papers and presentations, travel to the conference, and to participate in all or portions of the four-day event; these in-kind contributions total an estimated minimum of \$25,000.

### Attachment 3: Participant Contact Information

Jesus Alarcon  
Análista de Información Espacial, CONABIO  
Tlalpan, D.F. MEXICO

Arnaud Albert  
PhD Student, Université de Montréal  
Montréal, QC CANADA

Pedro Antunes  
Associate Professor, Algoma University  
Sault Ste. Marie, ON CANADA

David Negrete Arroyos  
Sección Mexicana de la Comisión Internacional de  
Límites y Aguas MEX-EUA  
Nuevo Laredo, Tamaulipas MEXICO

Chuck Bargeron  
Technology Director, Center for Invasive Species and  
Ecosystem Health, University of Georgia  
Tifton, GA USA

Erick De La Barrera  
Investigador Titular, UNAM  
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