



**Agenda**  
**Trinational Monarch Butterfly Monitoring Workshop**  
 October 27 – 29, 2008  
 Saltillo, Coahuila, Mexico

**Objective:**

- To develop capacity of resource agency staff and citizen scientists to implement trinational monitoring protocols and increase public outreach.
- To develop a shared monitoring framework (common indicators and protocols) to be used by the trainees throughout the Monarch flyway.

**Monday**

8:20 – 9:00 AM **Workshop registration**

9:00-9:30 AM	<b>Welcome:</b> <i>Thomas Hammond, CEC</i> <b>Individual introductions of presenters and participants</b> <b>Preview of activities and goals of meeting:</b> <i>Thomas Hammond, CEC</i> <b>Logistics of the workshop:</b> <i>Rocio Trevino, Profauna</i>
9:30-10:40 AM	<b>Monarch conservation needs and North American Monarch Conservation Plan discussion in plenary, with a focus on aspects of the plan that address monitoring:</b> <i>Donita Cotter</i>
10:40-11:00 AM	Break
11:00-12:00 AM	<b>Overview of Monarch biology &amp; life cycle – specifically as it relates to monitoring techniques:</b> <i>Karen Oberhauser and Eneida Montesinos</i>
12:00-1:00 PM	<b>Hands-on observation of monarch life stages if possible (eggs, larvae, pupae and adults):</b> <i>Eneida Montensinos and Karen Oberhauser</i>
1:00-2:15 PM	Lunch
2:15-3:00 PM	<b>Introduction to Monarch Monitoring Handbook and Citizen Science:</b> <i>Karen Oberhauser</i>
3:00-3:45 PM	<b>Importance of Pollinator Conservation – North American Pollinator Protection Campaign and Monarch Waystations:</b> <i>Donita Cotter</i>
3:45-4:15	Break
4:15-5:45	<b>Local/National/International monarch education/monitoring projects</b> <ul style="list-style-type: none"> <li>• <b>Monarch Live webcast :</b> <i>Donita Cotter</i></li> <li>• <b>Monarch Biology workshops for MBBR guides:</b> <i>Eneida Montensinos</i></li> <li>• <b>Canadian Museum of Nature and Insectarium of Montreal:</b> <i>Jean Lauriault and Sonya Charest</i></li> <li>• <b>WWF Mexico Flyway Socioeconomic Study:</b> <i>Eduardo Rendon</i></li> </ul>
5:45-7:30	Dinner break
7:30-8:30	<b>Local/National/International monarch education/monitoring projects</b>

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- **Biocenosis:** *Eligio Garcia*
  - **Texas Monarch Watch:** *Mike Quinn*
- (Meeting of organizing committee follows)
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### Tuesday Field Study Tour

8:45 AM Departure.

9:15-10:15 AM	<b>Hike and 1<sup>st</sup> Monitoring Protocol:</b> Local ecology, <i>Asclepias</i> species, nectar sources, monarch roosting and nectaring site counts: <i>Rocio Trevino</i>
10:15-12:00 AM	<b>2<sup>nd</sup> Monitoring Protocol:</b> Monarch Larva Monitoring, Milkweed identification and density measurements: <i>Karen Oberhauser and Eneida Montesinos</i>
12:00-12:20 PM	Break
12:20-1:20 PM	<b>Local Restoration/Habitat Management Presentation:</b> <i>Rocio Trevino</i>
1:30-2:30 PM	Box Lunch
2:30-3:30 PM	<b>3<sup>rd</sup> Monitoring Protocol:</b> Migration flight vectors: <i>Rocio Trevino, Eneida Montesinos, and Karen Oberhauser.</i>
3:30-4:00 PM	Break
4:00-5:30 PM	<b>4<sup>th</sup> Monitoring Protocol:</b> Tagging and parasite sampling: <i>Héctor Zepeda, Rocio Trevino, Eneida Montesinos, Karen Oberhauser.</i> Observe soil restoration project
5:30-6:00 PM	Return to hotel
6:00-7:30 PM	Dinner and Break
7:30-8:15 PM	<b>Free evening to explore Saltillo!</b>
8:15-9:30 PM	<b>Meeting of organizing committee to finalize plans for Wednesday</b>

### Wednesday

8:30-9:10 AM	<b>Local/National/International monarch education/monitoring projects –</b> <ul style="list-style-type: none"> <li>• <b>Journey North:</b> <i>Karen Oberhauser and Rocio Trevino</i></li> <li>• <b>Correo Real:</b> <i>Rocio Trevino</i></li> </ul>
9:10-10:00 AM	<b>Monarch Butterfly Biosphere Reserve: Monitoring, Research and Conservation Activities:</b> <i>Héctor Zepeda, Eligio Garcia, Eduardo Rendon, Felipe Martinez,</i>
10:00-10:30 AM	Break
10:30-12:30 AM	<b>Developing Monarch Habitat Conservation and Monitoring Activities.</b> Small Groups focus on fall migration, wintering, breeding, spring migration. Groups discuss monitoring needs for one stage of the life cycle and how this stage can be most effectively monitored in Mexico, southern US. 1 hour discussion in small groups, report back to plenary for 1 hour with discussion. <i>Facilitated by organizing committee</i>
12:30-1:45 PM	Lunch
1:45-3:30 PM	<b>Implementing Monarch Habitat Conservation and Monitoring</b>

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	<b>Activities.</b> Small groups draft protocols for Monarch/Pollinator monitoring and conservation activities on local sites. Plan appropriate actions for individual locations, taking into account needs identified in morning session. <i>Facilitated by organizing committee</i>
3:30-4:00 PM	Break
4:00-5:45 PM	<b>How Can We Partner for Monarch/Pollinator Conservation?</b> <i>Facilitated by organizing committee, to include presentations from each country</i>
6:00-8:00 PM	<b>Final Dinner Banquet/Celebration</b>

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