



# Hummingbird Conservation Networks' FIRST SCIENCE MEETING



*Dedicated to maintaining hummingbird diversity and  
abundance throughout the Americas*

**WHEN:** December 11-18, 2022

**WHERE:** Vidanta at Nuevo Vallarta, Nayarit, Mexico ([At a Glance - Nuevo Vallarta - Vidanta](#)). Meeting at Vidanta's Nuevo Vallarta resort is part of our efforts to engage the resort industry in hummingbird conservation by exploring how businesses with large landscaping budgets can help restore the nectar landscape by including hummingbird pollinated plants in their gardens.

**HOW:** A portal through HMN/HCNs website ([www.savehummingbirds.org](http://www.savehummingbirds.org)) will be available soon for registering, submitting an abstract, reserving lodging, making workgroup choices, and signing up for field trips. We will notify you as soon as it is ready for use. Please email Sergio with your intent, ideas, and questions.

**PURPOSE:** To identify knowledge gaps, meet research needs, and improve conservation actions required to help hummingbirds thrive in this changing world.

**REGISTRATION:** The conference registration fee is \$100.00 for students/post-docs and \$210.00 for everyone else. The conference fee includes opening welcome and social, meeting room rental and coffee breaks, and the closing ceremony. Until late October, invited participants can register and reserve lodging. If lodging is still available in late October, the conference will be open to those interested in contributing.

**LODGING AND LIVING EXPENSES:** We reserved 20 two-bedroom apartments. Each apartment can sleep six adults and has a full kitchen and living area. One bedroom has a king bed (max two people); the other has two double beds (max four people). To learn more about the apartment, please visit <http://www.vidanta.com/en/web/nuevo-vallarta/mayan-palace-two-bedroom-suite3>.

One can reserve an apartment (\$1700.00), a bedroom (\$850.00), or a space in a two-bedroom apartment with a limit on the maximum number of people with whom to share. Sharing option costs are \$567.00 for sharing the apartment with two others, \$425.00 with three, \$340.00 with four, and \$280.00 with five. The price for lodging is for the whole week. Every person staying here will register with the resort. If you are reserving an apartment or bedroom, please let us know who will stay with you.

Because lodging is limited, we encourage you to reserve early. If you want to bring other colleagues, students, family, or friends, we encourage you to indicate your interest. These requests will be placed on a waiting list and filled once registration is open.

**CONTACT:** Sergio Díaz-Infante ([sergio@savehummingbirds.org](mailto:sergio@savehummingbirds.org))

## **SCHEDULE:**

- Opening Welcome & Social: Sunday, December 11, 7:30 pm – 9:30 pm
- Paper Sessions: Monday, Tuesday, Thursday, Friday, 8:30 am – 12:30 pm
  - 20-minute Paper Presentations with 40-minute keynote papers
  - Abstract submission will be available through the portal.
- Working Groups: Monday, Tuesday, Thursday, Friday, 2:30 pm – 5:30 pm. We aim to develop programs and collaborations upon which HCNs can facilitate and support quality and effective

research for hummingbird conservation. We will schedule three concurrent working groups per afternoon session, and each working group will meet for two-afternoon sessions. The desired outcome of each working group is an outline of crucial topics and the next steps for a report/paper that HCNS' staff or authors awarded a small grant will complete. Current working groups are:

- 1) Identifying gaps in the nectar landscape. Objectives are:
    - a) Predicting where and when gaps in the nectar landscape will occur;
    - b) Exploring climate spaces for flowering hummingbird nectar plants using the hummingbird/flower paper data;
    - c) Defining a postdoctoral position at the University of Arizona to complete the paper and to continue the investigation of climate conditions favorable for flowering hummingbird nectar plants;
  - 2) Measuring hummingbird diversity and abundance. Objectives are:
    - a) Listing research topics that would benefit from measuring hummingbird diversity and abundance;
    - b) Identifying analyses and measures that detect changes in hummingbird diversity and abundance for the above issues;
    - c) Evaluating the diversity and abundance status of hummingbird communities and the effectiveness of conservation actions in these communities;
  - 3) Prioritizing regional research topics. Objectives are:
    - a) Dividing into regional subgroups for topic discussions;
    - b) Developing collaborations for addressing shared priorities;
    - c) Identifying projects ready to be written into grant proposals.
  - 4) Sharing field techniques and data analyses effective in hummingbird studies. Objectives are:
    - a) Sharing results using various field techniques
    - b) Evaluating and analyzing the effectiveness of techniques
    - c) Updating and publishing HCNS' Field Study guide on our website
  - 5) Developing conservation economies in HCCRs. Objectives are:
    - a) Creating community jobs for hummingbird monitoring and nectar plant restoration
    - b) Identifying economic opportunities that can fund hummingbird conservation activities
    - c) Implementing these ideas with communities interested in joining the Hummingbird Conservation Communities and Reserves network
  - 6) Creating HCNS' Science Advisory Council. Objectives are:
    - a) Generating guidelines for council activities
    - b) Inviting advisors to become members of the council
    - c) Determining subsequent actions and meetings.
- **Field Trips:** Wednesday, all day. We are planning two field trips: one to the Puerto Vallarta Botanical Gardens; the other to a hummingbird hotspots birding tour around Puerto Vallarta.
  - **Closing Ceremony and activities:** Friday 7:00 pm.
  - **Saturday:** Your choice

**GETTING THERE:** The closest airport is the Puerto Vallarta airport. Vidanta resorts provide complimentary transportation to the resort from the airport.

**COVID CONSIDERATIONS:** Please visit [www.vidanta.com](http://www.vidanta.com) for information regarding the resort's policies.