



COLLEGE OF MENOMINEE NATION SUSTAINABLE DEVELOPMENT INSTITUTE

POLLINATION ECOLOGY WORKSHOP SERIES

Hosted By: College of Menominee Nation's Sustainable Development Institute

Where: College of Menominee Nation (CMN) Keshena Campus, Biology Lab, Rm SD124.

Led By: Dr. Retha M. Meier, St. Louis University

Who Should Attend?

We are seeking students currently enrolled at College of Menominee Nation and other institutions of higher education. We highly encourage Native American students who might be interested in the field of pollination ecology to attend. Seating is limited to 15 people, and is on a first come first serve basis.

Purpose

College of Menominee Nation and the Sustainable Development Institute are pleased to announce a workshop series focused on pollination ecology, the scientific study of relationships between pollinators and their flower hosts. The workshop will be led by Dr. Retha M. Meier, a professor at St. Louis University with guest speakers and participants who will expand on indigenous knowledge related to pollination ecology. This workshop series will focus on providing participants with an understanding of both western scientific and indigenous ways of knowing related to pollination ecology. Topics covered will include phenology, entomology, pollination ecology, as well as field methods for conducting research, and writing articles for publication.

The final component will involve Dr. Meier coaching a small team to conduct a small scale pollination ecology research project on CMN campus lands. All participants will be invited to participate in the field research, article writing, and publication process. The goal is to generate more interest in the field of pollination ecology by Native American peoples and College of Menominee Nation students.

Dates and Topics:

February 13th, 2016: Workshop # 1 Pollination Ecology: An Introduction to Research in Phenology, Pollination, and Plant Breeding Systems

This section will introduce participants to the field of pollination ecology as well as the related field of phenology. The presentations will be mixed with discussions on current western scientific understanding of these topics and indigenous knowledge understanding.

March 5th, 2016: Workshop # 2 Writing a Scientific Research Paper

Participants will be introduced to the basics of writing a research paper for publication in the field of pollination ecology.

April 9th, 2016: Workshop # 3 Photography for Pollination Ecologists

This workshop will teach the basics of photography in documenting life cycles and patterns for insect/flower interactions related to pollination ecology.

April 23rd, 2016: Workshop # 4 Focus in Pollination Ecology

A basic course on entomology (study of insects) as a means to better understand the relationship between pollinators and flowers, as well as field techniques for collection and identification for study will be offered.

Post-Workshop Opportunity

May-June, 2016 (Exact dates to be determined): Workshop participants will be invited to work with Dr. Meier and SDI staff to conduct a small scale pollination ecology research project. The research will be focused on species of interest on CMN campus lands and will include field methodology, data analysis, manuscript drafting, and publication in a journal of interest.

*All workshops are approximately 4 1/2 hours from 9:30am-2:00pm

Location: College of Menominee Nation (CMN) – Keshena Campus

These workshops are sponsored by the Department of Interior Northeast Climate Science Center (NE CSC), National Science Foundation (NSF) sponsored - Sustainable Climate Risk Management (SCRiM) Pennsylvania State University (PSU), and Craig Fowler of Creve Coeur Camera in St. Louis, Missouri in partnership with the College of Menominee Nation, CMN Sustainable Development Institute, USDA Forest Service and Saint Louis University.