



Continuing Education and Outreach
University of Wisconsin-Stevens Point

UW-Stevens Point Continuing Education
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[https://www.uwsp.edu/conted/ConfWrkShp/Pages/
Climate-Change.aspx](https://www.uwsp.edu/conted/ConfWrkShp/Pages/Climate-Change.aspx)

LAKE SUPERIOR

Natural Resources
Culture
Climate Change



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FRIDAY, SEPTEMBER 14 - MONDAY, SEPTEMBER 17, 2018

Program Information

Within the Lake Superior basin, global climate change is expected to cause increased annual temperature, decreased snow, increased rain, and more frequent and extreme weather events. These changes are likely to affect local economies dependent upon commercial and recreational fishing, forestry and the manufacture of forest products, wildlife, tourism, recreation, agriculture, and coastal communities with cultural traditions that have evolved over thousands of years. This workshop provides field experience-based climate change investigations within Lake Superior's coastal communities and tribal lands.

This workshop is designed to expand climate change literacy for current and future natural resource professionals by integrating climate science with place-based economic and cultural perspectives that resonate with learners and engage them in climate change mitigation or adaptive decision-making. By integrating scientific knowledge with economic and culturally relevant place-based research and innovative natural resources management outreach methodologies, participants will gain an understanding of climate impacts and needed adaptations in integrated natural resources management

Workshop Outcomes

and decision-making.

This culturally relevant climate literacy will provide ways and help build community leadership based on a systems approach to mitigate or adapt to climate changes.

At the end of the workshop, you will be able to:

- Explain and apply different scientific methods and techniques of measuring and monitoring climate change impacts on terrestrial and aquatic ecosystems in the Lake Superior basin.
- Apply backcasting and forecasting models to assess past and future changes in terrestrial and aquatic ecosystems and key indicator species in relation to human and climate change impacts.
- Engage, communicate and effectively work with natural resource professionals from tribes,

Workshop Fees

Main Program: \$299

Lunch, dinner, and transportation included

MAIN WORKSHOP PROGRAM

Friday, September 14, 2018

Forest and Watershed Adaptations to Climate Change

See the impact of climate change on forests and watersheds and how they adapt first hand at Caroline Lake State Natural Area.

Presenting Organizations: The Nature Conservancy and the Northern Institute of Applied Climate Science

Impact of Climate Change on the People, Culture, and Natural Resources of the Bad River Reservation

Explore the environmental and cultural impacts of climate change as experienced by the Great Lakes Indian Fish and Wildlife Commission-Bad River Reservation (GLIFWC). During your visit, GLIFWC staff will provide presentations on "Treaty Rights, Tribal Sovereignty, and Co-management", "TEK and Climate Vulnerability", and "Impacts of Climate Change on American Marten" and be available for questions on specific natural resource management topics.

Presenters: Dr. Jonathan Gilbert, Director, GLIFWC Biological Services Division, Melonee Montano, GLIFWC TEK Specialist

Saturday, September 15, 2018

Strategies for Culturally Relevant Climate Change Communication

Through a tour of the Northern Great Lakes Visitor Center and presentations on the state's climate change educational initiatives, including its carbon neutral initiative, learn how to communicate climate change issues and the resources available to help.

Presenter: Cathy Techtmann, UW-Extension Environmental Outreach State Specialist

Management of the Superior River Watershed for Climate Change

Through a combination of presentations, tours, and water quality testing you will learn about the Superior River Watershed Association, a community-based non-profit, and the management work being done on the Superior River in response to climate change, including fish management and riverbank restoration.

Presenters: Tony Janisch, SWRA Director, and Kevin Brewster, SWRA Restoration Manager

EXPLORE MORE WITH US

Sunday, September 16, 2018

Cultural Impact of Climate Change

Explore birch bark canoe building, tribal historic preservation efforts and discuss the impacts of climate change on the Red Cliff people, their natural resources and cultural heritage while touring Frog Bay Tribal National Park.

Presenter: Marvin DeFoe, Red Cliff Tribal Historic Preservation Officer and Master Birch Bark Canoe Builder

Fee: \$60 (transportation included)

Impacts of Climate Change on Tourism and Madeline Island

Ferry to Madeline Island while learning about the climatic impacts on lake ice and transportation from the Madeline Island Ferry Lines. Once on the island you will have the opportunity to explore while witnessing the environmental impacts of climate change.

Presenters: Madeline Island Ferry Lines and Cathy Techtmann

Fee: \$75 (lunch and ferry ticket included)

Monday, September 17, 2018

Cultural Importance and Climatic Impacts of Wild Rice

Tour the Bad River-Kakagon Sloughs on a guided boat tour while exploring the cultural importance of wild rice and the climatic impacts its experiencing.

Presenters: Naomi Tillison, Director, Bad River National Resource and Edith Leoso, Bad River Tribal Historic Preservation Officer

Fee: \$89 (boat tour tickets included)

Climate Modeling and Community Responses to Climate Change

Enjoy lunch while learning about climate modeling and how it can be used to help communities respond to climate change. Then, see first hand, how a small, tourist community recovered, rebuilt, and planned for extreme rainfall events.

Presenters: Dr. Randy Lehr, Director, Mary Burke Center for Freshwater Innovation; Bill & Grace Hines, President, Saxon Harbor Boating Club, Owner, Harbor Lights Inn; and Eric Peterson, Iron County Forest Administrator

Fee: FREE!

OPTIONAL

Lodging

Attendees have the option of arranging their own lodging or booking through us.

Lodging is available for Friday, Saturday, and/or Monday night at the AmericInn in Ashland, Wisconsin. Reservations can be made through us. All reservations made through us include a continental breakfast.

Room rate: \$100 per night



Program Leaders

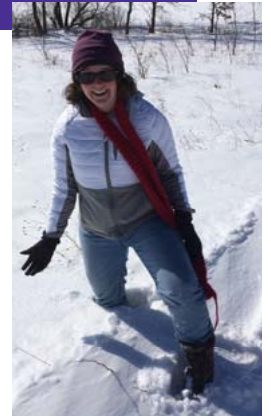
Shiba Kar

Dr. Shiba Kar is an Assistant Professor of Human Dimensions of Natural Resources Management at UWSP with a joint appointment as a Sustainable Energy Specialist with the University of Wisconsin-Extension. Dr. Kar's research interest include socioeconomic, environmental and policy factors of sustainable energy, climate adaptation and community development.



Cady Sartini

Cady Sartini is an Assistant Professor of Wildlife Ecology at the University of Wisconsin-Stevens Point. Cady's teaching primarily focuses on courses related to animal behavior, research techniques, and the human dimensions of natural resource use. Her current research interests include the use of game cameras to estimate the size of animal populations, anti-predator response behaviors, and how students relate to controversial topics in the classroom.



Holly Petrillo

Holly Petrillo is an Associate Professor of Forestry at the University of Wisconsin-Stevens Point. On the UWSP campus and in many Midwest communities, Holly teaches courses, workshops and trainings related to forest health, entomology and pathology. Holly's professional interests include the impact climate change will have on trees and other plants, and also the disturbance factors that influence forests (insects, diseases, storms, etc.).



Cathy Techtmann

Cathy is a professor of Community Resource Development and the University of Wisconsin-Extension Environmental Outreach State Specialist. She holds a M.S. in Natural Resource Management-Environmental Interpretation and secondary teaching degree in Biology. She specializes in applying interpretive program design to make environmental issues "come alive" for youth and adult audiences through on-the-water and land-based interpretive programs.



REGISTRATION

SEE YOU THERE!

Registration

- Online
<https://www.uwsp.edu/conted/ConfWrkShp/Pages/Climate-Change.aspx>
- Phone 715-346-3838
- Registration deadline: September 6, 2018

Cancellation Policy

Cancellations occurring before September 6th will be assessed a 20% cancellation fee. Cancellations occurring between September 6th and September 12th, will be assessed a 50% cancellation fee. Cancelling on or after September 13th, no refund

Sponsors



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