



Shifting Seasons

*Building Tribal Capacity
for Climate Change Adaptation Summit*

*Shifting Seasons Summit 2014 is designed
to bring together:*

tribal decision makers / federal agencies

indigenous practitioners

land resource managers & climate change scientists

**in order to share knowledge and resources that will benefit tribal
and non-tribal entities for climate change adaptation;
specifically in the Northeast Region**

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The 2014 Shifting Seasons Summit is collaboration among:

***College of Menominee Nation
Sustainable Development Institute***

***Northern Arizona University's
Institute for Tribal Environmental Professionals***

Michigan State University

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Funding provided by:

***Department of the Interior
Bureau of Indian Affairs Climate Change Program***

Northeast Climate Science Center

***Great Lakes Integrated Sciences and
Assessment Center***

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TUESDAY OCTOBER 14, 2014

Pre-Summit Events

- 11:45 am** Bus will pick up outside Menominee Hotel Main Entrance
- 12:00 pm–
5:00 pm** **"How can Tribal Colleges and Universities Work Together to Address Local Climate Change Challenges?"**
Meet at S. Verna Fowler Academic Library on College of Menominee Nation Campus
Field Visit: Menominee Community and Forest Sites
Menominee forest climate change monitoring plots will serve as inspiration.
Co-facilitated by:
Chris Caldwell, Sustainable Development Institute Director
Al Kuslikis, American Higher Education Consortium Staff Member
Dr. Bill VanLopik, CMN Sustainable Development Faculty
This event will include site visits to Menominee community and forest site areas to provide a context for participants to generate and share thoughts and provide recommendations on how local resources can be coordinated to build community resilience. **Box lunch will be provided for attendees.**
Bus will return participants to Menominee Hotel entrance.
- 5:30 pm–
6:30 pm** **"Student Welcome / Social Event"**
Cultural Learning Center, College of Menominee Nation, Keshena Campus
Facilitated by:
Marie Schaefer, SDI Research Assistant, CMN/Sustainable Development Institute
This pre-summit event is for current students attending "Shifting Seasons". Students will meet with peers and learn how to best take advantage of their time at the Summit. SDI staff will discuss productive ways to navigate a conference, how to approach presenters and professionals, tips for first-time presenters, and facilitate a peer-to-peer discussion on climate change.
A light dinner will be provided for attendees.
- 6:30 pm –
8:00 pm** **"Listening Session: Creation of a Master's Degree for Tribal Environmental Management at University of Minnesota Duluth"**
Cultural Learning Center, College of Menominee Nation, Keshena Campus
Co-facilitated by:
Rick Smith, Director of American Indian Learning Resource Center, University of Minnesota Duluth.
Tadd Johnson, Director of Graduate Studies, University of Minnesota Duluth, American Indian Studies Department
This event will be hosted by University of Minnesota's American Indian Learning Resources Center as a means to gather feedback from tribal participants of Shifting Seasons as UMD begins to explore opportunities to develop a master's degree in Tribal Environmental Management. **Snacks will be provided.**





WEDNESDAY OCTOBER 15, 2014

- Moderator:** *Chris Caldwell, Director CMN Sustainable Development Institute*
- 7:00 am** **Summit check-in / materials pick up / exhibits open – Hotel Lobby
Continental Breakfast – Five Clans Ballroom**
- 8:00 am** **Opening Ceremonies**
Invocation: *David "Nahwahquaw" Grignon, Director,
Menominee Historic Preservation*
Post Colors: *Veterans of the Menominee Nation*
Drum Group: *Smokeytown Singers*
Welcome: *Laurie Boivin, Tribal Chairperson, Menominee Indian Tribe of Wisconsin
Norman Shawanokasic, President, Menominee Tribal Enterprises
Dr. Verna S. Fowler, President, College of Menominee Nation*
- 9:00 am** **Climate Change Impacts in the Northeast and Midwest United States**
Dr. Michelle Staudinger, Northeast Climate Science Center
- 10:00 am** **– Break –**
- 10:15 am** **Applying Climate Science to our Great Lakes Systems and Communities**
*Beth Gibbons, GLISA Program Manager
B.J. Baule, GLISA Climate Research Associate*
- 11:00 am** **Tribal Adaptation Outside the Northeast Asserting Native Resilience: Pacific Northwest
Indigenous Climate Change Responses and Collaborations**
*Zoltan Grossman, The Evergreen State College, WA
Debra McNutt, The Evergreen State College, WA*
- 12:00 pm** **Lunch Provided – Assigned Seating for Networking**
- 1:15 pm** **Tribal Climate Adaptation Planning Case Study #1:
Menominee Nation**
Chris Caldwell, College of Menominee Nation, Sustainable Development Institute
- 1:45 pm** **Tribal Climate Adaptation Planning Case Study # 2:
Adaptation Plan for Akwesasne**
Mary Arquette, Saint Regis Mohawk Tribe
- 2:15 pm** **Training Overview for Next Day and Eco Café Mini Introductions**
*Sue Wotkyns, Institute for Tribal Environmental Professionals (ITEP)
Kyle Powys Whyte, Michigan State University*





WEDNESDAY OCTOBER 15, 2014 – Continued –

2:45 pm

– Break –

3:00 pm -
5:00 pm

Eco-Café and Poster Session - Great Bear Room

The goal of this Eco-Cafe session is to create ideas for how Tribes can work collaboratively with a number of federal, state and non-profit climate change initiatives.

Table 1

**USDA Regional Climate Hubs and Northern Institute for Applied Climate Science:
Forest Adaptation
*Stephen Handler***

What are the USDA Regional Climate Hubs?

What is NIACS?

How have these groups started to work with Tribes on climate change adaptation and forest management?

How should these groups move forward on collaborations with Tribes?

Table 2

**USDA Regional Climate Hubs: Adaptation in Agriculture
*Donna Gibson***

What are the USDA Regional Climate Hubs?

What is the best way for Tribes to collaborate with the Climate Hubs on agriculture issues?

How should these Hubs move forward on collaborations with Tribes?

Table 3

**Wisconsin Extension
*Jay Moynihan, Shawano County***

How does UW-Extension understand community adaptation planning?

How can Tribes and UW-Extension (or other state extensions) partner effectively?

Table 4

**EcoAdapt
*Eric Mielbrecht***

What is EcoAdapt?

What is Awareness to Action Training?

What is the Climate Adaptation Knowledge Exchange?

Why is the National Adaptation Forum the place for Tribes to share and learn about climate change planning?

Table 5

**U.S. EPA, Region 5
*Kate Balasa
Dolly Tong
Carole Braverman***

What are EPA's tools and resources for adaptation?

How can EPA work with Tribes on adaptation?





- Table 6** **National Climate Assessment**
Julie Maldonado
How can tribes participate in a Sustained National Climate Assessment?
How can the National Climate Assessment increase engagement with tribes and support collaborative partnerships that sustain assessment activities?
What is Rising Voices and how has it engaged with the NCA?
How can Rising Voices serve as a model for other partnerships and collaborations?
- Table 7** **NOAA/GLISA**
Heather Stirrat
Beth Gibbons
BJ Baule
What are the NOAA programs? How can Tribes work together with NOAA?
- Table 8** **Institute for Tribal Environmental Professionals, Northern Arizona University**
Sue Wotkyns
What does ITEP have to offer Tribes in terms of training and resources?
How can ITEP better serve Tribes?
- Table 9** **Gikinoo'wizhiwe Onji Waaban G-WOW Changing Climate, Changing Culture Initiative**
Catherine Techtman
How can G-WOW model and tools be used in other tribal and non-tribal communities to promote climate literacy and service learning?
- Table 10** **Sustainable Climate Risk Management (SCRiM)**
Rob Nicholas, Klaus Keller, Bryan Cwik
What is SCRiM?
How can SCRiM tools be used to support project level Tribal decision-making?
What is the importance of exploring values and ethics in decision-making?
What is the mental models method and how can it be used by Tribes?
- Table 11** **Southeast Climate Science Center**
Aranzazu Lascurain
How can the Southeast CSC support Tribal adaptation?
- Table 12** **Model Forest Policy Program**
Vanitha Sivarajan
What are the ways in which the Model Forest Policy Program can be used by Tribes for adaptation planning?
- Table 13** **Wisconsin Initiative on Climate Change Impacts (WICCI)**
Chrissy Hursh
What is WICCI?
Can similar initiatives be established in other places? What resources does WICCI have?
How can WICCI and similar initiatives like it work with Tribes?





WEDNESDAY OCTOBER 15, 2014 – Continued –

5:00pm

Adjourn

5:30 pm –
8:00 pm

Menominee Logging Camp and Cultural Museums – Tours and Dinner

This social event and welcome dinner will showcase the Menominee Indian Tribe of Wisconsin's Logging Camp and Cultural Museums.

A dinner including traditional foods will be served along with a program of scheduled tours of both museums and demonstration dances by Menominee Tribal Dancers.
Dress for weather – partially outdoors.

5:30 pm

Shuttle buses pick up attendees at Menominee Casino Hotel and transport to Menominee Logging Camp and Cultural Museums

5:45 pm

Gather, Welcome and Prayers – Dave Grignon, Director Historical Preservation
Guided Logging Camp Tours

6:30 pm

Dinner Served / Group 1
Guided Tour of Cultural Museum / Group 2

7:15 pm

Dinner Served / Group 2
Guided Tour of Cultural Museum / Group 1

8 pm

Shuttle buses pick up attendees and transport to Menominee Casino Hotel





THURSDAY, OCTOBER 16, 2014

- Moderator:** *Rebecca Edler, Sustainability Coordinator, CMN Sustainable Development Institute*
- 7:30 am** **Interviews: Video Recording Attendees - Wolf Room**
Continental Breakfast - Five Clans Ballroom
- 8:00 am** **Overview of Today's Agenda**
- 8:15 am** **Plenary Address:**
Moving Forward: Bringing Together Diverse Knowledge to Create Opportunities for Engagement, Adaptation, and Policy Making
Julie Maldonado – Lead Author, National Climate Assessment
US Global Change Research Program
- 9:00 am** **Tribal Case Study #3:**
Adaptation Planning: Grand Portage Band of Lake Superior Chippewa
Seth Moore, Grand Portage Band of Lake Superior Chippewa
- 9:45 am** **– Break –**
- 10:15 am** **Concurrent Breakout sessions: Round 1**
- Panel # 1: Five Clans Ballroom**
Climate Change Adaptation Training 101
Climate Change Adaptation Planning: an Overview
Sue Wotkyns, Institute for Tribal Environmental Professionals (ITEP)
Overview of the general process of planning for climate change impacts, from getting started, doing impact and vulnerability assessments, developing adaptation strategies, to writing an adaptation plan
- Vulnerability Assessments and Their Role in Adaptation Planning**
Eric Mielbrecht, EcoAdapt
An introduction to assessing climate change vulnerability, stakeholder driven vulnerability assessment processes, and how they can help with climate change adaptation planning.
- Panel # 3: Crane Room**
Best Practices and Ethics for Cooperation for Non-Tribal Representatives
Kyle Whyte, Michigan State University
James Jenkins, Bkejwanong Territory
Overview of the importance of Tribal environmental stewardship and an introduction to the meanings of treaties, Tribal jurisdictions, and key Tribal and inter-Tribal organizations and agencies in the Northeast / Great Lakes Region.





THURSDAY, OCTOBER 16, 2014 – Continued –

12:00 pm Lunch / Networking Opportunities

1:00 pm Concurrent Breakout Sessions: Round 2

Panel #1: **Five Clans Ballroom**

Climate Change Adaptation Training Developing Adaptation Strategies
Sue Wotkyns, Institute for Tribal Environmental Professionals (ITEP)

Seth Moore, Grand Portage Band of Lake Superior Chippewa

An introduction to developing adaptation strategies, with an example from a tribal perspective, using a strategic planning framework

Activity: Adaptation Strategies

In small groups, participants will discuss adaptation strategies for specific climate change impacts on different sectors. Small groups will report back to large group.

Panel # 2: **Eagle Room**

**Part 1: Climate Change Adaptation and Forest Management:
A workbook process and examples from the real world**

Stephen Handler, Climate Change Specialist

US Forest Service and Northern Institute of Applied Climate Science

Handler will lead participants through a training session focused on forestry using the **Forest Adaptation Resources** process.

www.forestadaptation.org/far

Participants should bring their own forest management project or plan.

During the session, participants will use this example to consider climate change impacts and benefits, identify management challenges, and develop actions to reduce risk and increase the ability of forests to cope with change.

Additional details on forest adaptation efforts that have used *Forest Adaptation Resources* are online at: www.forestadaptation.org/demonstration-projects

Panel # 3: **Crane Room**

Best Practices and Ethics for Cooperation for Non-Tribal Representatives

Beth Rose Middleton, University of California Davis

Nick Reo, Dartmouth College

Principles, Strategies and Cases of Ethical Cooperation between Tribal and Non-Tribal Parties: Overview of research and insights on how best to cooperate across Tribal and Non-Tribal parties for climate change adaptation.





THURSDAY, OCTOBER 16, 2014 – Continued –

2:30 pm – Break –

3:00 pm Concurrent Breakout Sessions: Round 3

Panel # 1: **Five Clans Ballroom**

Climate Change Adaptation Training 101:

Case Studies of Adaptation Planning

Sue Wotkyns, Institute for Tribal Environmental Professionals (ITEP)

Seth Moore, Grand Portage Band of Lake Superior Chippewa

Short case studies of Tribes that have been planning for climate change impacts.

Activity: Adaptation Strategies – continued

In the same small groups as before, participants will review the strategies previously discussed and revise /add to the strategies. Designated group representative will report back to large group (3 minutes/group).

EcoAdapt's Resources for Adaptation Planning, Highlighting CAKE, and the 2015 National Adaptation Forum

Eric Mielbrecht, EcoAdapt

Overview of EcoAdapt's programs and resources, including the Climate Adaptation Knowledge Exchange (CAKEx.org) and its collection of adaptation case studies, library, tools and community, and the biennial National Adaptation Forum, which gathers the adaptation community to foster knowledge exchange, innovation and mutual support for a better tomorrow. The 2015 NAF is May 12-14, 2015, in St. Louis, Missouri (NationalAdaptationForum.org).





THURSDAY, OCTOBER 16, 2014 - Continued -

Panel # 2: Eagle Room

**Part 2: Climate Change Adaptation and Forest Management:
workbook process and examples from the real world**

Stephen Handler, *Climate Change Specialist*

US Forest Service and Northern Institute of Applied Climate Science

Handler will lead participants through a training session focused on forestry using the **Forest Adaptation Resources** process.

www.forestadaptation.org/far

Participants should bring their own forest management project or plan.

During the session you will use this example to consider climate change impacts and benefits, identify management challenges, and develop actions to reduce risk and increase the ability of forests to cope with change.

Additional details on forest adaptation efforts that have used *Forest Adaptation Resources* are online at: www.forestadaptation.org/demonstration-projects

Panel # 3: Crane Room

**Best Practices and Ethics for Cooperation for
Non-Tribal Representatives Bridging Climate Change Knowledge:
Insights, cases, and ethical protocols for dialogue across traditional
(indigenous) knowledge and climate sciences**

Deborah McGregor, University of Toronto

Preston Hardison, Tulalip Tribe Office of Treaty Rights

Mike Dockry, Ph.D. Forest Service Northern Research Station

This session aims to introduce conference attendees to an understanding of the issues that arise when bridging various climate change knowledge; such as climate sciences or indigenous knowledge; the speakers will cover cases of successful collaboration and research protocols.

5:00 pm

Adjourn





FRIDAY, OCTOBER 17, 2014

Moderator: *Chris Caldwell, Director, Sustainable Development Institute*

7:30 am **Continental Breakfast - Five Clans Ballroom**
Interviews: Video recording attendees - Wolf Room

8:00 am **Reconvene - Five Clans Ballroom**
Retire Colors: Veterans of the Menominee Nation and Smokeytown Singers
Overview of Today's Agenda

8:30 am **Facilitated Plenary Conversation**
Kyle Powys Whyte, Michigan State University

Introductions to Key Networks

- Indigenous Peoples Climate Change Working Group (IPCCWG)
- Rising Voices of Indigenous People in Weather and Climate Science
- Climate and Traditional Knowledge Work Group (CTKW)
- First Stewards Symposium

Break Out – Small Group Facilitated Conversations

Questions

- What are solutions for addressing Tribal adaptation needs?
- How do the LCCs, CSCs, Regional Climate Hubs, and other federal climate change initiatives fit together in relation to Tribes?
- What is the role of non-profit organizations in relation to federal agencies and Tribes in terms of facilitating Tribal adaptation?
- What are recommendations for networks such as IPCCWG, Rising Voices, CTKW and First Stewards?

10:00 am – *Break* –

10:30 am **Facilitators report back**

11:15 am **Closing Comments**
Chris Caldwell, Director Sustainable Development Institute

11:30 pm **Lunch**
Box lunches will be served to facilitate networking, meetings and travel efficiency.

12:30 pm **Meeting Opportunities for Tribes/Academic Partners/Federal Resources**

- **Crane Room:** Rising Voices/IPCCWG follow-up and meetings
- **Eagle Room:** Discussion on Indigenous/Tribal Involvement on the National Climate Assessment *Julie Maldonado*

3:00 pm **Summit Officially Ends**

