



MINNESOTA CLIMATE ADAPTATION CONFERENCE

Crossing Boundaries - Sparking Collaboration

January 22, 2020

Continuing Education and Conference Center
St. Paul, MN

AGENDA

Registration + Breakfast	7:30 - 8:15 a.m.
Welcome Ceremony	8:15 - 8:20 a.m.
Opening Remarks	8:20 - 8:30 a.m.
Keynote	8:30 - 9:30 a.m.
Awards Ceremony	9:30 - 10:00 a.m.
Poster Session + Break	10:00 - 10:30 a.m.
Breakout Session 1	10:30 - 12:00 p.m.
Lunch	12:00 - 1:00 p.m.
Breakout Session 2	1:00 - 2:30 p.m.
Poster Session + Break	2:30 - 3:00 p.m.
Breakout Session 3	3:00 - 4:30 p.m.
Networking + Snacks	4:30 - 5:00 p.m.



Keynote: Beth Gibbons

8:30 a.m., *Room 135*
Executive Director,
American Society of
Adaptation Professionals

Award Winners

Individual: Paul Huttner, MPR News
Institution: MN Homeland Security + Emergency
Management + U-Spatial @UMD
Business: The Guardian Building
Organization: Mississippi Connection + Science
Museum of MN



BREAKOUT SESSION 1 | 10:30 - 12:00

ROOM 156	<p>TOOLS + PLANNING</p> <p>Planning committee liaison: Laura Millberg, MPCA</p>	<p>Top Tools for Climate Adaptation and Planning in Minnesota</p>	
		<p>Kenny Blumenfeld, MN State Climatology Office, MN Department of Natural Resources; Oliva LeDee, Northeast Climate Adaptation Science Center</p>	
ROOM 155A	<p>WATER RESOURCES + FLOODING</p> <p>Session moderator: Leslie Yetka, City of Minnetonka</p>	<p>Cross-jurisdictional partnership creating more climate resilience</p>	<p>Brian Shekleton and Drew McGovern, Hennepin County</p>
		<p>From large to small scale modeling, details do matter...</p>	<p>Brandon Barnes and Scott Sobiech, Barr Engineering; Claire Bleser, Riley Purgatory Bluff Creek Watershed District; Bryan Guidl, City of Bloomington</p>
		<p>More rain in intense storms – what cities and NOAA can do about it</p>	<p>Randy Neprash, Stantec, Minnesota Cities Stormwater Coalition, and National Municipal Stormwater Coalition</p>
		<p>Climate adaptation through floodplain restoration</p>	<p>Olivia Dorothea, American Rivers</p>
ROOM 155B	<p>COLLABORATION + COMMUNITY ENGAGEMENT</p> <p>Session moderator: Nora Bateman, MN DNR</p>	<p>Collaboration with grassroots groups: Expanding your work into the community</p>	<p>Leslie MacKenzie, Transition Twin Cities</p>
		<p>Climate adaptation in the 1854 Ceded Territory: Climate program development and implementation</p>	<p>Hilarie Sorensen, 1854 Treaty Authority</p>
		<p>Great Lakes One Water: The resilient future project</p>	<p>Tiffany Sprague and Jesse Schomberg, MN Sea Grant</p>
		<p>Ready North: Community collaboration for disaster resilience</p>	<p>Michelle Morris, Duluth Superior Community Foundation – Ready North</p>
ROOM 166	<p>AGRICULTURE</p> <p>Planning committee liaison: Bob Patton, MN Dept of Ag</p>	<p>Farmers adaption to “weird weather”: Climate adaptation in agriculture</p>	
<p>Dennis Todey, USDA Midwest Climate Hub; Mike Ludwig, Minnesota Farmer; Greg Entinger, Minnesota Farmer; Suzanne Rhees, MN Board of Soil and Water Resources; Peter Ciborowski, MN Pollution Control Agency; Brad Jordahl Redlin, MN Department of Agriculture</p>			

Thank you to our sponsors!

PLATINUM SPONSOR



GOLD SPONSORS



SILVER SPONSOR



BREAKOUT SESSION 2 | 1:00 - 2:30

ROOM 156	<p>TOOLS + TRENDS</p> <p>Session moderator: Patrick Hamilton, Science Museum of Minnesota</p>	<p>Scenarios of the demographic impact of climate change in Minnesota</p> <p>Megan Dayton, Minnesota State Demographic Center</p>
		<p>Developing a watershed based climate vulnerability map</p> <p>John Delaney and Kristen Bouska, USGS Upper Midwest Environmental Sciences Center</p>
		<p>Minnesota winter weather weakening in the climate change era</p> <p>Siiri Bigalke, University of Minnesota</p>
		<p>Multidisciplinary collaboration to predict and measure the new water budget</p> <p>Tiffany Schaufler, Minnehaha Creek Watershed District</p>
ROOM 155A	<p>FOREST MANAGEMENT</p> <p>Planning committee liaison: Leslie Brandt, USDA Forest Service and Northern Institute of Applied Climate Science</p>	<p>Adapting forests to climate change through operational-scale partnership</p> <p>Brian Palik, USDA Forest Service Northern Research Station; Meredith Cornett, The Nature Conservancy in MN/ND/SD; Paul Dubuque, MN DNR Division of Forestry; Leslie Brandt, USDA Forest Service, Northern Institute of Applied Climate Science; Mary Hammes, Mississippi Park Connection; Marcella Windmuller-Campione, University of Minnesota; Rebecca Montgomery, University of Minnesota</p>
		<p>Climate adaptation and resilience planning for Minnesota</p> <p>Laura Millberg, MN Pollution Control Agency; Jennifer Nelson, MN Department of Public Safety, Homeland Security and Emergency Management; Jeffrey Meek, MN Department of Transportation; Nissa Tupper, MN Department of Health; Bob Patton, MN Department of Agriculture; Amanda Kueper, MN Department of Natural Resources</p>
ROOM 166	<p>POLICY + PLANNING</p> <p>Planning committee liaison: Sharon Stephens, MPCA</p>	<p>Health professionals for a healthy climate: Diverse educational approaches</p> <p>Shanda Demorest, Practice Greenhealth; Brenna Doheny, University of Minnesota – Duluth; Bruce Snyder, Health Professionals for a Healthy Climate; Andy Jameton, University of Minnesota Center for Bioethics</p>
		<p>PUBLIC HEALTH</p> <p>Planning committee liaison: Erik Hansen, HGA</p>

Conference Planning Committee

- **Ann Banitt**, U.S. Army Corps of Engineers
- **Nora Bateman**, MN DNR
- **Leslie Brandt**, USDA Forest Service
- **Troy Goodnough**, UMN
- **Pat Hamilton**, Science Museum of Minnesota
- **Erik Hansen**, HGA
- **Catherine Harrison**, City of Minneapolis
- **Cheryl Keyser**, UMN Water Resources Center

- **Joel Larson (chair)**, UMN Water Resources Center
- **Olivia LeDee**, USGS
- **Beth Mercer-Taylor**, UMN
- **Laura Millberg**, MPCA
- **Bob Patton**, MN Dept of Ag
- **Fred Rozumalski**, Barr Engineering
- **Rachel Schulman**, MDH
- **Hilarie Sorensen**, 1854 Treaty Authority
- **Sharon Stephens**, MPCA
- **Leslie Yetka**, City of Minnetonka
- **Kate Knuth (consultant)**, Democracy and Climate

Awards Committee

- **Kenny Blumenfeld**, MN DNR
- **Leslie Brandt (co-chair)**, USDA Forest Service
- **Camilla Correll (co-chair)**, EOR
- **Troy Goodnough**, UMN
- **Julie McDonnell**, MN DNR
- **Sara Smith**, College of Menominee Nation
- **Nissa Tupper**, MDH

The Minnesota Climate Adaptation Conference is organized by the University of Minnesota Water Resources Center (WRC) and a committee of volunteer partners. The WRC is a unit of the College of Food, Agricultural, and Natural Resource Sciences and University of Minnesota Extension.

BREAKOUT SESSION 3 | 3:00 - 4:30

ROOM 156	<p>TRIBAL RESPONSES TO CLIMATE CHANGE</p> <p>Planning committee liaison: Hilarie Sorensen, 1854 Treaty Authority</p>	<p>Dibaginjigaadeg Anishinaabe Ezhitwaad: A tribal climate adaptation menu</p>
		<p>Sara Smith, College of the Menominee Nation; Rob Croll, Great Lakes Indian Fish and Wildlife Commission; Hilarie Sorensen, 1854 Treaty Authority; Kristen Schmitt, US Department of Agriculture Forest Service, Northern Institute of Applied Climate Science</p>
ROOM 155A	<p>NATURAL RESOURCES MANAGEMENT</p> <p>Planning committee liaison: Leslie Yetka, City of Minnetonka</p>	<p>Applied ecological science for climate: Adapted natural resource management</p>
		<p>Sarah Skikne, UMN Institute on the Environment; Jessica Hellmann, UMN Institute on the Environment; Marissa Ahlering, The Nature Conservancy; Julie Etterson, UMN-Duluth Department of Biology and Institute on the Environment; Forest Isbell, UMN Cedar Creek Ecosystem Science Reserve and Department of Ecology, Evolution and Behavior; Lucinda Johnson, UMN-Duluth Natural Resources Research Institute</p>
ROOM 166	<p>POLICY + PLANNING</p> <p>Planning committee liaison: Laura Millberg, MPCA</p>	<p>The future of Minnesota's clean water in a changing climate</p>
		<p>Phil Belfiori, MN Environmental Quality Board; Mae Davenport, UMN Center for Changing Landscapes; Ryan Noe, UMN Humphrey School of Public Affairs; Kate Brauman, Global Water Initiative, UMN Institute on the Environment; Claire Bleser, Riley Purgatory Bluff Creek Watershed District; Brett Emmons, EOR Inc.; Camilla Correll, EOR Inc.</p>
ROOM 155B	<p>PUBLIC HEALTH</p> <p>Planning committee liaison: Rachel Schulman, MN Dept of Health</p>	<p>Minnesota's heating up: Assess to adapt!</p>
		<p>NOTE: If you want to create a custom assessment during the session, bring a laptop computer.</p> <p>Nissa Tupper, MN Department of Health; Kristin Raab, MN Department of Health; Terese Bordeau, Ramsey County; Len Kne, University of Minnesota U-Spatial</p>

POSTER SESSION | 10:00 - 10:30 + 2:30 - 3:00 | LOBBY

Historic data for Minnesota's watersheds	Beth Knudsen and Ben Gosack, MN Department of Natural Resources
Climate resiliency planning	Stacey Lijewski and Jessica Arika, Hennepin County
Solar greenhouse optimization for efficient, local, year-round food production	Daniel Handeen, UMN Center for Sustainable Building Research; Kathy Draeger and Greg Schwesser, UMN Regional Sustainable Development Partnerships; Carol Ford, Southwest Regional Sustainable Development Partnership; Mary Rogers, UMN Department of Horticultural Science
Investigating climate influenced Larch Beetle damage to forests	Paul Dubuque and Mike Reinikainen, MN Department of Natural Resources
Promoting native pollinator gardens in Steele County	Elizabeth Gitlhedt, Bee Friendly Environmental Alliance of Steele County
International Environment Forum	Carolyn Lonning, Baha'i Faith
Hot off the press: Minnesota Green Infrastructure Guidebook	Tiffany Sprague, MN Sea Grant
Legal strategies to promote solar energy, public health and climate adaptation	Jill Krueger and Betsy Lawton, Network for Public Health Law
Sparking energy improvements in mobile home parks	Jennyfer Barrientos, Growing up Healthy; Sandy Malecha, Northfield Health Community Initiative; Beth Kallestad, City of Northfield
Creativity Walkshops: Outreach through nature to reach new audiences	Kristen Mastel, University of Minnesota Outreach and Instruction