



# CLIMATE CHANGE ADAPTATION & BIODIVERSITY CONSERVATION: A Minnesota Response

Minnesota Landscape  
**ARBORETUM**

MACMILLAN AUDITORIUM, MINNESOTA LANDSCAPE ARBORETUM  
THURSDAY, JUNE 5, 2008 9:00 A.M. - 3:30 P.M.

PUBLIC POLICY

*Biodiversity, Sustainability, Land Use & Design, Conservation and Ecology*

UNIVERSITY OF MINNESOTA



Western Prairie Fringed Orchid  
(*Platanthera praecleara*) USFWS photo

Climate change will bring tremendous change to Minnesota's plant communities. Many species are unlikely to survive: some will be unable to reach the new climate zones that can sustain their growth, while for others, suitable habitat may disappear altogether. How will we respond to this risk? Are we prepared to manage and preserve Minnesota's biodiversity in the face of climate change?

Additional conference information available at [www.arboretum.umn.edu](http://www.arboretum.umn.edu).

## CONTRIBUTING & ENDORSING SPONSORS

University of Minnesota's Institute on the Environment (IonE), Center for Urban and Regional Affairs (CURA) and Center for Hardwood Ecology.

## ABOUT THE KEYNOTE SPEAKER

**Jim Motavalli**, author, environmental journalist and editor of E Magazine, a national environmental bi-monthly, will share his unique insights into the effects and impact of climate change and subsequent loss of plant life and habitat, as witnessed from his own global journeys. Motavalli has written for The New York Times, The Cleveland Plain Dealer, The Nation, The Boston Globe, The Guardian, Sierra and many other websites, magazines and newspapers. Motavalli's writing on population won a 1999 Global Media Award.

## INVITED CLIMATE CHANGE RESEARCHERS

**Dr. Julie Etterson**, Assistant Professor, University of Minnesota Duluth, has done pioneering research on the potential for native plants to evolve in response to climate change.

**Dr. Lee Frelich**, Director, Hardwood Ecology Center, University of Minnesota, researches forest ecosystem changes in response to disturbances, invasive species and climate warming.

**Dr. Malcolm Hunter**, Libra Professor of Conservation Biologist, University of Maine, studies the maintenance of biodiversity in ecosystems, and the implications of landscape change on reserve design.

**Dr. George Jacobson**, Climate Change Institute, Professor, University of Maine, is a paleoecologist concerned with long-term climate change and forest responses to climate change.

**Dr. Carter Johnson**, Professor, South Dakota State University, researches climate change and prairie wetlands, as well as seed dispersal and plant migration.

This research and policy conference will identify key resource needs and look to assist decision makers in reforming current conservation strategies and management practices associated with biodiversity and climate change.

## CONFERENCE SCHEDULE

Registration (8:00-9:00)

Morning Session (9:00-Noon)

- Keynote Speaker, Jim Motavalli
- Research Panel: Conservation Strategies for Climate Change Adaptation
  - Julie Etterson, U of M, Duluth
  - Malcolm Hunter, UMaine
  - George Jacobson, UMaine
  - Carter Johnson, SDSU

Luncheon Presentation (Noon-12:45)

Climate Change Impacts & Minnesota Ecosystems,

Guest Speaker:

Lee Frelich, U of M Center for Hardwood Ecology

Afternoon Session (1-3:30)

Conservation Planning for Climate Change Adaptation

- Concurrent Sessions
- Next Steps Panel Discussion
- Conference Evaluation and Wrap-up

Registration fee includes lunch and author signing. Participants are invited to explore the Arboretum and unique Treeology exhibits.

TO REGISTER, CONTACT ARBORETUM EDUCATION AT 952-443-1422

**REGISTRATION: CLIMATE CHANGE ADAPTATION & BIODIVERSITY CONSERVATION: A MINNESOTA RESPONSE**

**JUNE 5, 2008**

Minnesota Landscape Arboretum Public Policy Forum

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Old growth white pine, BWCA.

Photo: Bud Heinselmann

### WHO SHOULD ATTEND?

- Conservationists
- Ecologists
- Natural Resource Professionals
- Environmental Planners
- Land Use Managers
- Horticulturists
- Biologists
- Community Leaders
- Policy and Decision Makers
- State, Regional and Local Conservation Organizations
- Concerned Public and Members

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Conference fee includes lunch and  
author book signing.

Special student rate!

Enjoy the Arboretum and  
unique *Treeology* exhibits.

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