

**Molly Woloszyn, Extension Climate Specialist, University of Illinois Extension**

Illinois-Indiana Sea Grant & Midwestern Regional Climate Center  
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**Education**

**Master of Science in Atmospheric Science**

December 2009

Colorado State University – Fort Collins, Colorado

**Bachelor of Science in Meteorology**

May 2007

Northern Illinois University – DeKalb, Illinois

**Professional Interests**

Climate and weather • Impacts of weather and climate on the society and resources • Education and outreach • Climate adaptation • Climate resilience • Climate communication • Youth climate literacy

**Professional Experience**

**Extension Climate Specialist**

July 2011 – present

Illinois-Indiana Sea Grant (IISG) & Midwestern Regional Climate Center (MRCC)  
University of Illinois at Urbana-Champaign

**Outreach Coordinator**

January 2014 – present

National Atmospheric Deposition Program (NADP)  
University of Illinois at Urbana-Champaign

**Climate Outreach and Extension**

***Presentations (last 2 years)***

- November 2015: ANREP Climate Science Initiative, Webinar Series – *Resilient Chicago*
- March 2016: Illinois Association of Floodplain and Stormwater Managers (Tinley Park, IL) – *Resilient Chicago*
- March 2016: Champaign County Sustainability Network (Champaign, IL) – *Addressing Urban Flooding and Stormwater Issues in Illinois*
- May 2016: Chicago Conservation Corps Spring Training (Chicago, IL) – *Climate Change & Chicago*
- May 2016: Indiana Silver Jackets Monthly Meeting (Indianapolis, IN) – *MRCC*
- October 2016: Great Lakes Adaptation Forum (Ann Arbor, MI) – *Climate Resiliency Work with Blue Island, IL*
- February 2017: Wild Things Conference (Chicago, IL) – *Climate Change & Chicago: What We've Seen and What to Expect*
- February 2017: Great Lakes Awareness Day (Chicago, IL) – *Climate in the Great Lakes*
- March 2017: NWS Climate Services Webinar Series – *Frost/Freeze Guidance Project: what is it and how can you be involved?*
- March 2017: U.S. Army Corps of Engineers Silver Jackets Webinar Series – *Flood Vulnerability Assessment for Critical Facilities*
- April 2017: U.S. Drought Monitor Forum – *Great Lakes Drought Monitoring, Impacts, and Sea Grant*
- May 2017: National Adaptation Forum (Saint Paul, MN) – *Climate Planning through Resilient Chicago (poster)*
- May 2017: Local Technical Assistance Symposium (Chicago, IL) – *Assessing Community Vulnerability to Extreme Weather and Climate Change*

### **Workshop/Meeting Organization (last 2 years)**

- July 2015: Resilient Chicago workshop (Chicago, IL) – *Urban Flood Management through No Adverse Impact and Green Infrastructure*
- September 2015: Midwest Climate & Agriculture workshop (Champaign, IL)
- June 2016: Revitalizing Our Ravines workshop, Facilitator (Glencoe, IL)

### **Other Outreach Efforts and Collaborations**

- Coordinate the *Resilient Chicago* initiative ([www.resilientchicago.org](http://www.resilientchicago.org)): helps decision makers in the greater Chicago metropolitan region incorporate climate adaptation into local planning efforts through workshops, online trainings, and other resources (started fall 2014).
- Project lead on the *Great Lakes Region: Quarterly Climate Impacts and Outlook Report*, a binational product between NOAA and Canadian partners.
- Social media lead for the MRCC and NADP.
- Co-editor and contributor to the monthly MRCC eNewsletter, *The Climate Observer*.
- Co-editor and contributor to the quarterly NADP eNewsletter, *NADP: Keeping You Connected*.

### **Current Grants & Projects**

<b>Project Dates</b>	<b>Title</b>	<b>Sponsor</b>	<b>Partners</b>
2/2016-1/2018	Improving Upon Flash Flooding Forecasts for Two Major Great Lakes Cities ( <i>partner</i> )	Wisconsin and Illinois-Indiana Sea Grant	MRCC; NOAA NWS; University of Wisconsin-Milwaukee
7/2016-6/2018	Incorporating Local Climate Science to Help Communities Plan for Climate Extremes ( <i>co-PI</i> )	NOAA Sectoral Applications & Research Program	American Planning Association; Chicago Metropolitan Agency for Planning
7/2016-6/2017	Piloting the Vulnerability, Consequences, Adaptation Planning Scenarios (VCAPS) process in the Great Lakes ( <i>PI</i> )	NOAA Coastal Storms Program	Village of Glenview (IL); North Carolina Sea Grant

### **Publications and Products**

#### **Related Peer-Reviewed Journals**

- Hall, Beth, M. Timlin, **M. Woloszyn**, Z. Zaloudek, S. Hilberg, P. Guinan, J. Andresen, A. Curtis, R. Wolf, and P. Spoden, 2015. A Community Frost/Freeze Susceptibility Operational Guidance Tool, *Journal of Operational Meteorology*, **3**(3), 21-29.
- Jaffe, M. and **M. Woloszyn**, 2013. An Initial Assessment of Winter Climate Change Adaptation Measures for the City of Chicago. *Sea Grant Law and Policy Journal*, vol. 6, no. 2.
- **Woloszyn, M.**, et al. Testing an eddy-permitting model of the Southern Ocean carbon cycle against observations. *Ocean Modelling* (2011), doi:10.1016/j.ocemod.2010.12.004
- Ito, T., **Woloszyn, M.**, and M. Mazloff, 2010: Anthropogenic carbon dioxide transport in the Southern Ocean primarily driven by Ekman flow, *Nature*, 463.

#### **Product Development**

- *Flood Vulnerability Assessment for Critical Facilities*: <http://mrcc.isws.illinois.edu/FVA> (released November 2016)

- *Primary Impacts of Climate Change in the Chicago Region*: an appendix for the Chicago Metropolitan Agency for Planning (CMAP)'s Climate Adaptation Toolkit
- *A Self-Assessment to Address Climate Change Readiness in Your Community, Midwest Region*: developed in collaboration with the GLSGN
- *Be a Weather and Climate Watcher*: K-12 activity developed by the MRCC, IISG, and ISWS
- *How-To Guides*: K-12 or at-home activity resources from the MRCC (Air Pressure, Greenhouse Effect, How to Make Precipitation Instruments at Home, Rainfall Runoff Demonstration)

**Professional Activities**

Great Lakes Water Quality Agreement Annex 9, working group member	2017-present
Great Lakes Adaptation Forum, planning committee member	2016-present
Midwest Drought Early Warning System, steering committee member	2016-present
Indiana Silver Jackets, member	2016-present
Sea Grant Climate Network, member	2014-present
Great Lakes Sea Grant Network, member	2011-present
American Association of State Climatologists, Associate Member	2011-present