

# 2020 MINNESOTA CLIMATE ADAPTATION CONFERENCE

## Climate Adaptation Tools



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The following is a list of the climate adaptation tools which were shared and discussed at this year's Climate Adaptation Conference.

<p><b>Adaptation Clearinghouse</b></p>	<p><a href="http://adaptationclearinghouse.org/">adaptationclearinghouse.org/</a></p> <p>The purpose of this site is to assist policymakers, resource managers, academics, and all others interested in helping communities adapt to climate change. There are articles, guides, and executive orders which can be filtered by industry and geographic sectors.</p>
<p><b>Climate Adaptation Knowledge Exchange (CAKE)</b></p>	<p><a href="http://cakex.org">cakex.org</a></p> <p>This resource allows users to explore climate change adaptation by adaptation phases and by topic. There is a comprehensive collection of case studies, documents, and tools on chosen topics.</p>
<p><b>Climate Adaptation Planning Data Dashboard</b></p>	<p><a href="http://pca.state.mn.us/air/climate-adaptation-planning-data-dashboard">pca.state.mn.us/air/climate-adaptation-planning-data-dashboard</a></p> <p>The goal of this program is to increase climate adaptation and resilience planning by Minnesota governmental organizations. This tool is focused on identifying types of assistance, evaluating the effectiveness of existing resources, providing additional resources, and documenting the extent of climate adaptation planning and current actions.</p>

<h2>Deep Winter Greenhouses</h2>	<p><a href="http://extension.umn.edu/growing-systems/deep-winter-greenhouses">extension.umn.edu/growing-systems/deep-winter-greenhouses</a></p> <p>This online source provides information on deep winter greenhouses, as well as plans and details on how to successfully start and maintain your own personal winter greenhouse.</p>
<h2>Dibaginjigaadeg Anishinaabe Ezhitwaad: A Tribal Climate Adaptation Menu</h2>	<p><a href="http://glifwc.org/ClimateChange/TribalAdaptationMenuV1.pdf">glifwc.org/ClimateChange/TribalAdaptationMenuV1.pdf</a></p> <p>This resource was developed by a diverse group of tribal collaborators to integrate indigenous and traditional knowledge into the climate adaptation planning process. It contains a large collection of climate change adaptation actions to be used for natural resource management.</p>
<h2>Heat Vulnerability in Minnesota</h2>	<p><a href="http://maps.umn.edu/climatehealthtool/heat_app">maps.umn.edu/climatehealthtool/heat_app</a></p> <p>This pilot tool was designed to assist city and county planners, emergency managers, and public health professionals assess community vulnerability to extreme heat. This tool allows users to visualize datasets that show influences on a community's vulnerability, sensitivity and exposure.</p>
<h2>International Environment Forum</h2>	<p><a href="http://iefworld.org">iefworld.org</a></p> <p>The International Environment Forum provides a platform for its members to address a broad context of environmental and sustainability issues. This forum and the collection of papers and reports that this group maintains allows for the sharing of knowledge with both individuals and other groups.</p>
<h2>Minnesota Climate Trends</h2>	<p><a href="http://arcgis.dnr.state.mn.us/ewr/climatetrends/#">arcgis.dnr.state.mn.us/ewr/climatetrends/#</a></p> <p>This online tool allows users to select from a variety of geographic units in the state and choose climate variables within those units to examine change over time. This program contains historic data up to the present for Minnesota.</p>
<h2>Past Climate Data for Minnesota</h2>	<p><a href="http://dnr.state.mn.us/climate/historical/annual.html">dnr.state.mn.us/climate/historical/annual.html</a></p> <p>This tool on the MN DNR website allows users to visualize a large variety of climatic data through animated maps. These maps illustrate information such as temperatures, precipitation, lake ice, and more.</p>

<p><b>Ready North</b></p>	<p><a href="http://readynorth.org">readynorth.org</a></p> <p>Ready North is an online collection of agencies and resources to utilize in response to natural and other disasters. Resources include planning materials and guides for what to do before, during, and after disasters strike.</p>
<p><b>Transition US Preparedness Handbook</b></p>	<p><a href="http://transitionus.org/ready-together-neighborhood-emergency-preparedness-handbook">transitionus.org/ready-together-neighborhood-emergency-preparedness-handbook</a></p> <p>The US Preparedness Handbook will be a guide for informing citizens on how to respond to natural disasters and emergencies. The idea of the project will be for people to gather with neighbors to review these materials in order to foster a sense of community readiness.</p>
<p><b>1854 Treaty Authority Climate Change Vulnerability Assessment and Adaptation Plan</b></p>	<p><a href="http://1854treatyauthority.org/images/ClimateAdaptationPlan_Final-July_2016-optimized(1).pdf">1854treatyauthority.org/images/ClimateAdaptationPlan_Final-July_2016-optimized(1).pdf</a></p> <p>This assessment is a partnership between the Ojibwe bands within the 1854 Ceded Territory, and addresses how climate change is and will affect the land and species within the 1854 Territory. Climate-related vulnerabilities and potential actions for increasing resilience to climate change are also identified.</p>
<p><b>U.S. Climate Resilience Toolkit -Midwest-</b></p>	<p><a href="http://toolkit.climate.gov/regions/midwest">toolkit.climate.gov/regions/midwest</a></p> <p>This resource is focused on building resilience to climate change impacts across the U.S. Forms, information on training courses, and climate summaries are available on this site to help users learn more.</p>
<p><b>Watershed Climate Summaries</b></p>	<p><a href="http://files.dnr.state.mn.us/natural_resources/water/watersheds/tool/watersheds/climate_summary_index_map.pdf">files.dnr.state.mn.us/natural_resources/water/watersheds/tool/watersheds/climate_summary_index_map.pdf</a></p> <p>This tool features a map of the Minnesota watersheds, as well as a full text list, containing links to comprehensive climate summaries for each watershed.</p>
<p><b>Watershed Health Assessment Framework</b></p>	<p><a href="http://dnr.state.mn.us/whaf/index.html">dnr.state.mn.us/whaf/index.html</a></p> <p>The Watershed Health Assessment Framework contains watershed maps and reports, and provides watershed health scores as well as exploring key concepts for watershed health. This framework provides an organized approach to understand natural resource conditions and challenges to identify opportunities to improve the health and resilience of Minnesota waterways.</p>