# madison AUDUBON society

Climate Initiative

Lesson 5: Winter World & Climate Change

#### Food



#### Water



#### Shelter



© Maja Dumat © Ilona L © Jaroslaw Pcztarski

#### What does it mean to Adapt?

#### What does it mean to Adapt?

Make changes in behavior or body so it is easier to live in their environment

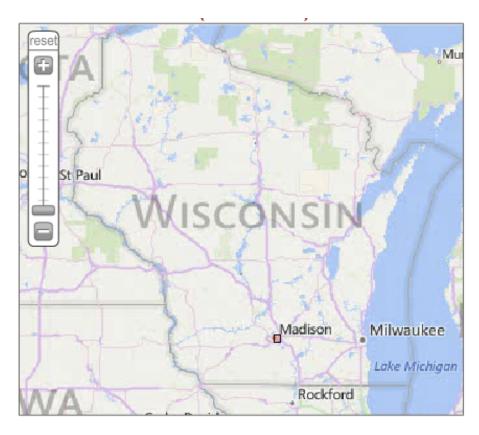
## What happens in the winter?

## What happens in the winter?



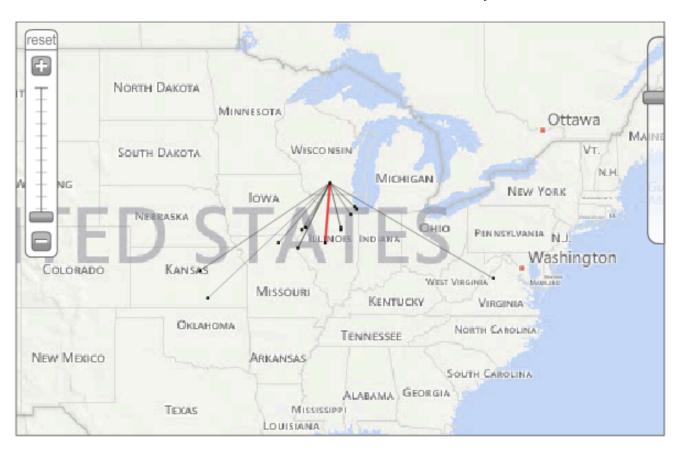
© liquidcrash

#### WI climate



© usclimatedata.com http://www.wicci.wisc.edu/climate-map.php

#### WI climate in 50 years



# WI climate in 100 years



© usclimatedata.com

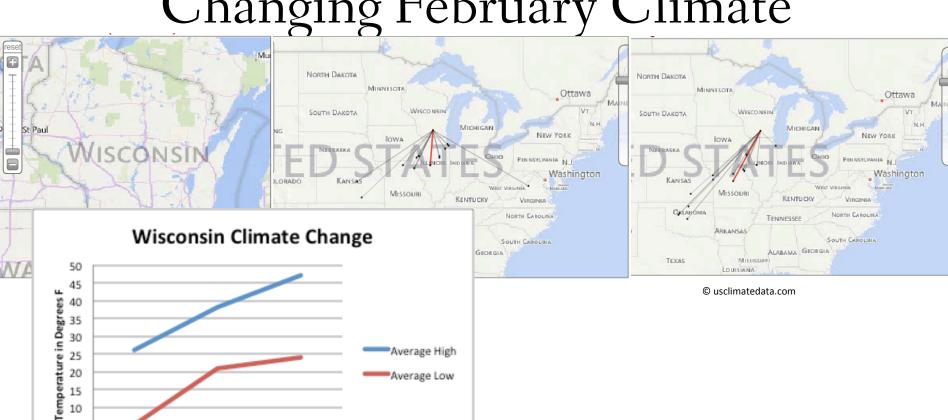
http://www.wicci.wisc.edu/climate-map.php

Changing February Climate



© usclimatedata.com

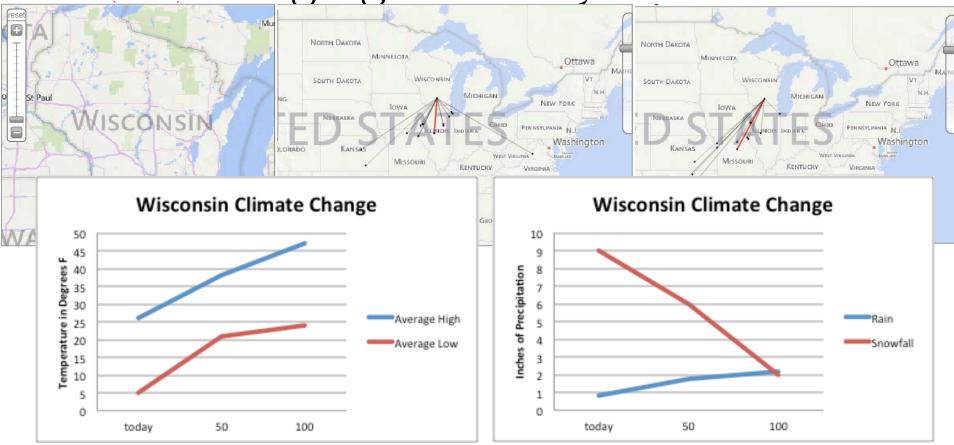
Changing February Climate



today

Changing February Climate

© usclimatedata.com



Finding food, water, & shelter in winter:

# Finding food, water, & shelter in winter: Some animals Migrate!



© Joshua Mayer

# Finding food, water, & shelter in winter: Some animals Migrate!



© Don McCullough



© Joshua Mayer

## Adapting to Cold & Snow

#### Some animals stay here

Change their behavior

OR

Their bodies



© Rodney Campbell

# How will winter change?





© Adrian Scottow

© Mahalie Stackpole

#### How Do Birds Survive the Cold?



© Kristin Shoemaker

#### **Switch Food Sources**





© Kurt Bauschardt

© George Gentry/U.S. Fish and Wildlife Service

#### Reduce Heat Loss





© Andy Morffew

#### Reduce Heat Loss



© hedera.baltica



© Jamie McCaffrey







© PJ Morse © Susan Drury



© John Johnston

© Ken Sturm/USFWS



© Nathan Stone/USFS

#### More freeze/thaw = more ice



#### Less snow = good for deer!



© John Carr/USFWS

#### Less snow = good for deer!





© Nicholas A. Tonelli

## Color-changers

#### Snowshoe Hare







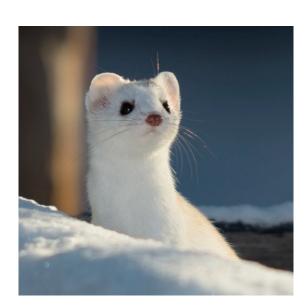
© Miguel Vieira

© DeaShoot

#### Weasels







© Keith Williams

#### Mis-match

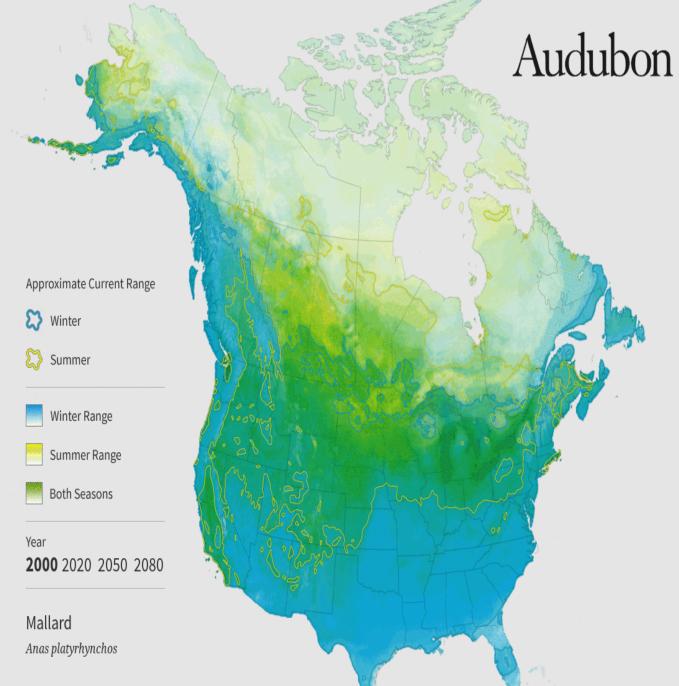




© Jana M. Cisar / USFWS © Malcom Manners



© CP Ewing



Summer → 75% Winter → 9%

#### Created By:

Carolyn Byers, Education Director (608) 255-2473, ext. 555 (office) carolyn.byers@madisonaudubon.org

#### Contact us at MAS:

1400 East Washington Ave | Madison, WI 53703 608-255-2473 info@madisonaudubon.org

