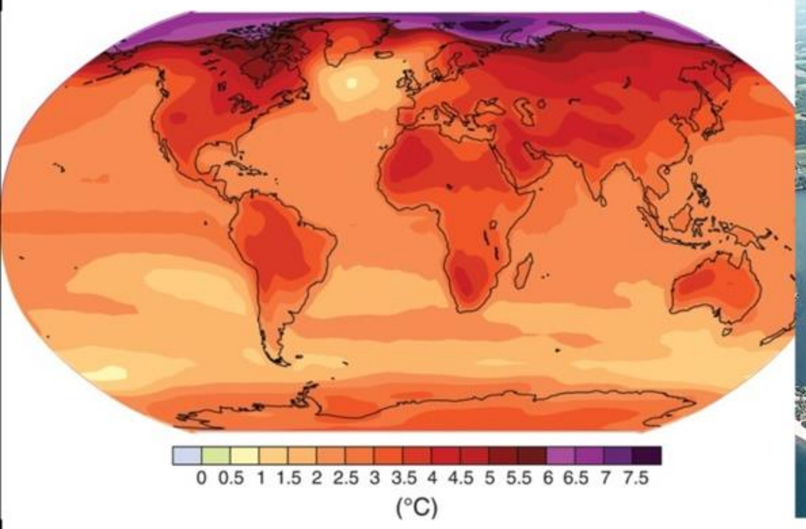

Tools Café 2 (part 2 & 3): ClimateWizard and Climate Adaptation Collaboratory

Kimberly Hall
kimberly_hall@tnc.org

Credits: IPCC 2007, Photos – Photography Plus, Julie Craves

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Protecting nature. Preserving life.™

Technologies for Climate Change Planning Webinar Series – OSU/MSU

May 7, 2013

UNIVERSITY OF NOTRE DAME

Now there are two ClimateWizard options...

1. ClimateWizard
   http:/climatewizard.org
      Exploring! Observed change (4 km resolution for US), projections from 16 models (12 km for US), monthly, seasonal, or annual data. Flexible dates for custom requests.

2. *New! "Powered by Climatewizard" component of the World Bank's Climate Knowledge Portal*
   http://climateknowledgeportal.climatewizard.org
      Projected change, 9 models (some with multiple runs), daily data with many derived variables, 50 km resolution, two end dates.

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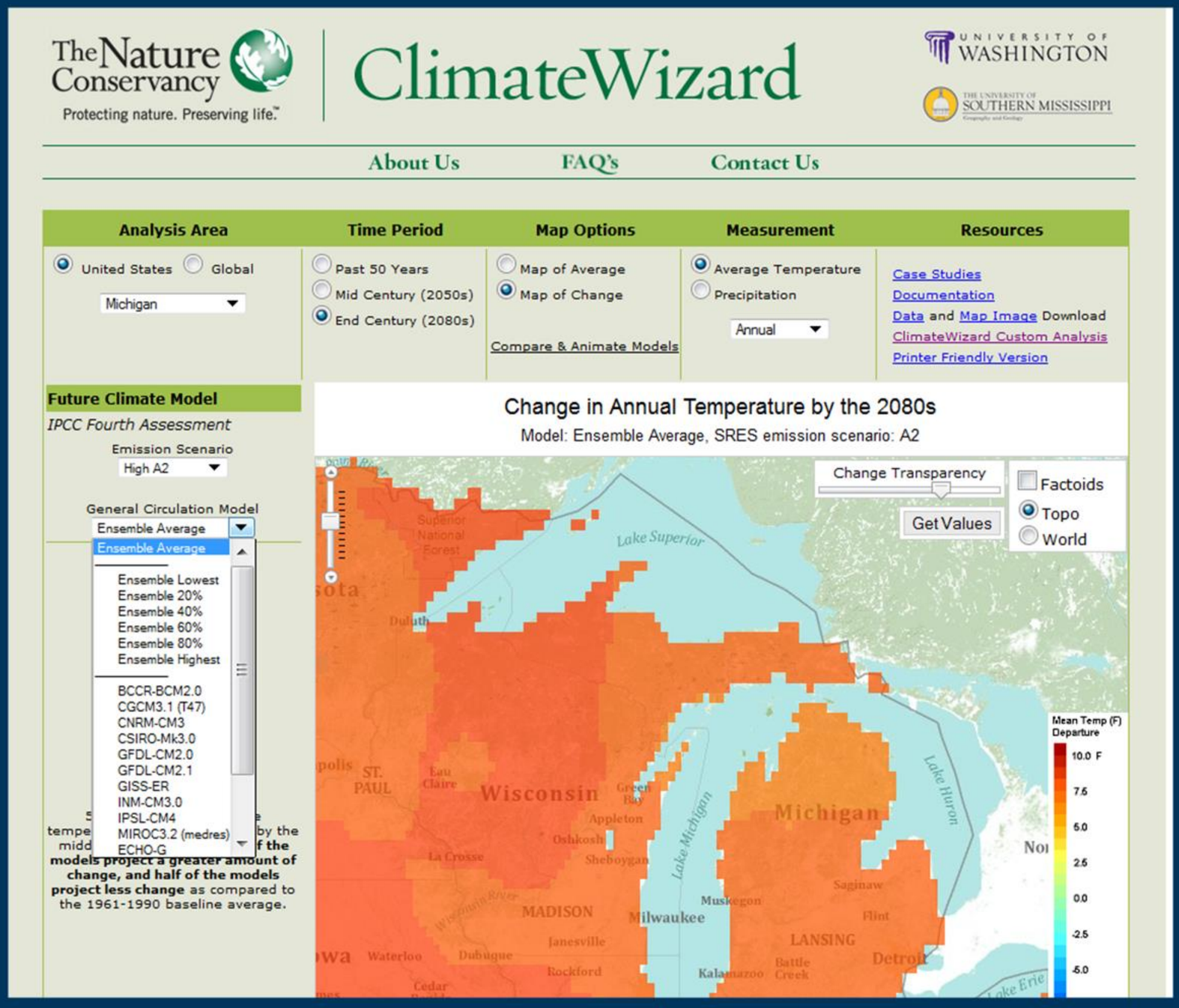
ClimateWizard – visualizing change



climatewizard.org

See observed changes
View, compare,
& animate projections

Explore variability:
over time
by season or month
across models
emissions scenarios

Download "standard" data

DELAYED REWARDS...
Create custom datasets

Climate Wizard Custom

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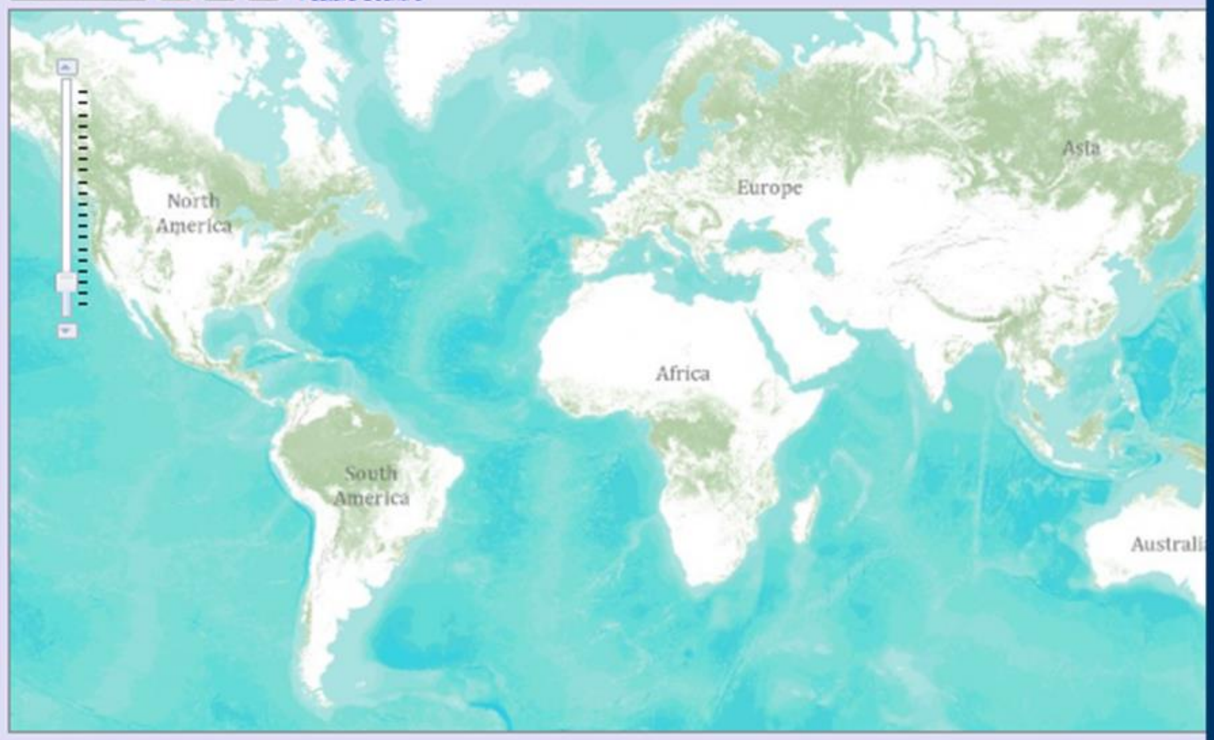
University of Washington
The University of Southern Mississippi
Climate Central
Santa Clara University

To use this tool, draw polygons on the map below, or select a pre-defined area from the drop down boxes. Then select the input parameters you wish to use. When you submit this form, processing will take place on the server. You will receive an email with a link to the results.

Toggle Map | Feature Count: 0



Add Area to Map

- (•) Pre-Defined Area
- ( ) Upload Shapefile

Add Pre-Defined Areas

Select one or more region from any of the region types below and click "add regions". Your choices will then be added to the map display.

Region Types (Select One)	Countries
Custom Areas	Aruba
Countries	Antigua and Barbuda
US Counties	Afghanistan
TNC Ecoregions	Algeria
US States	Azerbaijan
CI Hotspots	Albania
WWF Ecoregions	Armenia

add selected regions

Choose Climatology

- ( ) Current (Past Data) Climatology
- (•) Future Modeled Climate

Region and Scale Options

- ( ) United States (Contiguous US) 4 km Current - 12 km Future
- (•) Global (50 km resolution)

Analysis Options

- (•) Departure Analysis (from 1961-1990)

Climate Variables

(Choose one or more)

- [ ] Precipitation (Absolute Change)
- [ ] Precipitation (Percent Change)
- [ ] Mean Monthly Temperature
- [ ] Moisture Deficit
- [ ] Moisture Surplus
- [ ] AET (Actual Evapotranspiration)
- [ ] PET (Potential Evapotranspiration)
- [ ] AET/PET (ratio)

Climate Model Options

(To download model documentation, click the model labels)

General Circulation Model:

IPCC 2007, WG1-AR4
(Choose one or more)

BCCR-BCM2 0
CGCM3 1 T47
CNRM-CM3
CSIRO-Mk3 0
GFDL-CM2 0
GFDL-CM2 1
GISS-ER

Greenhouse Gas Concentration (CO_2)

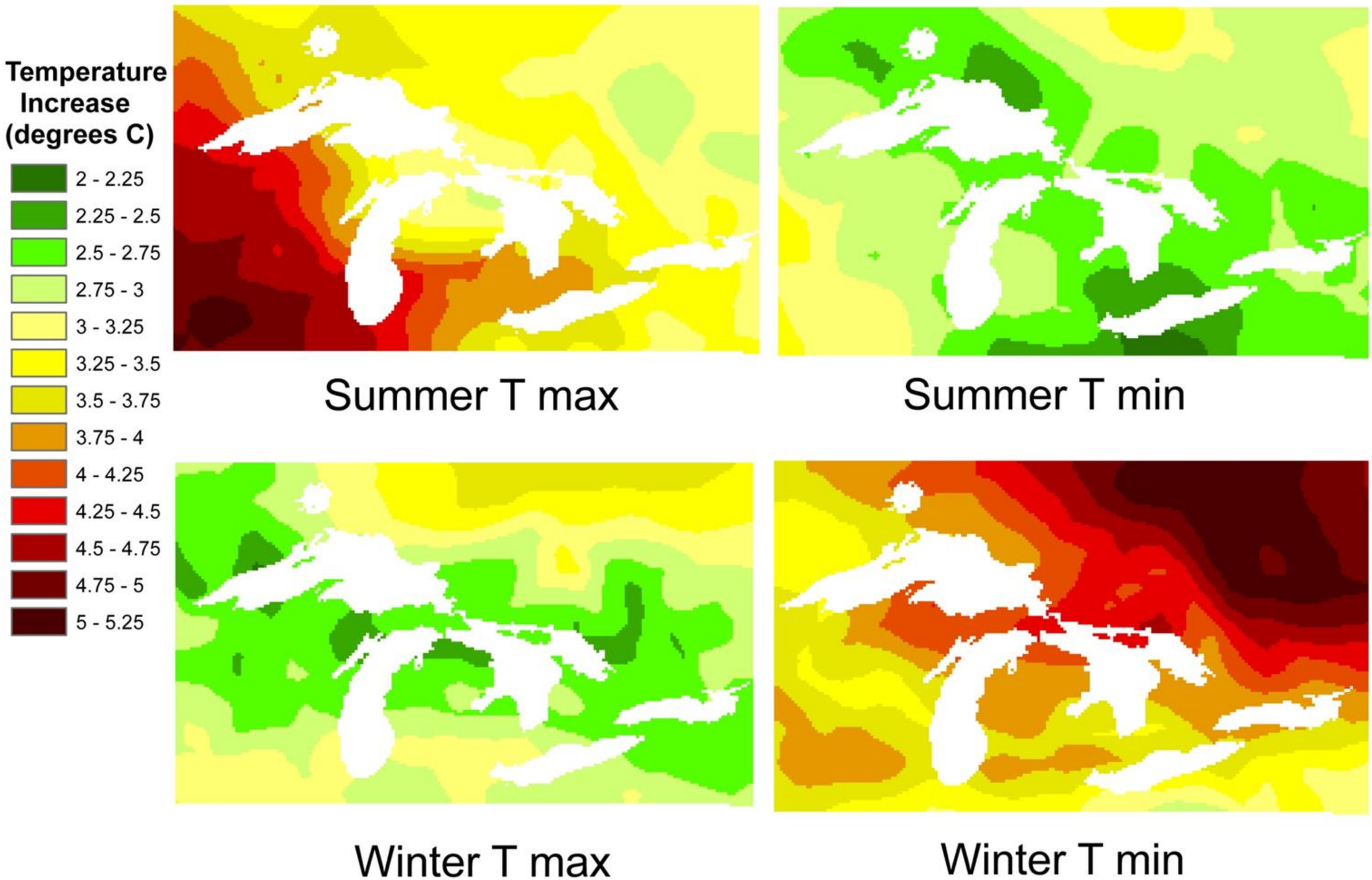
IPCC 2007, WG1-AR4
(Choose one or more)

- [ ] A2 (High)
- [ ] A1B (Med)
- [ ] B1 (Low)

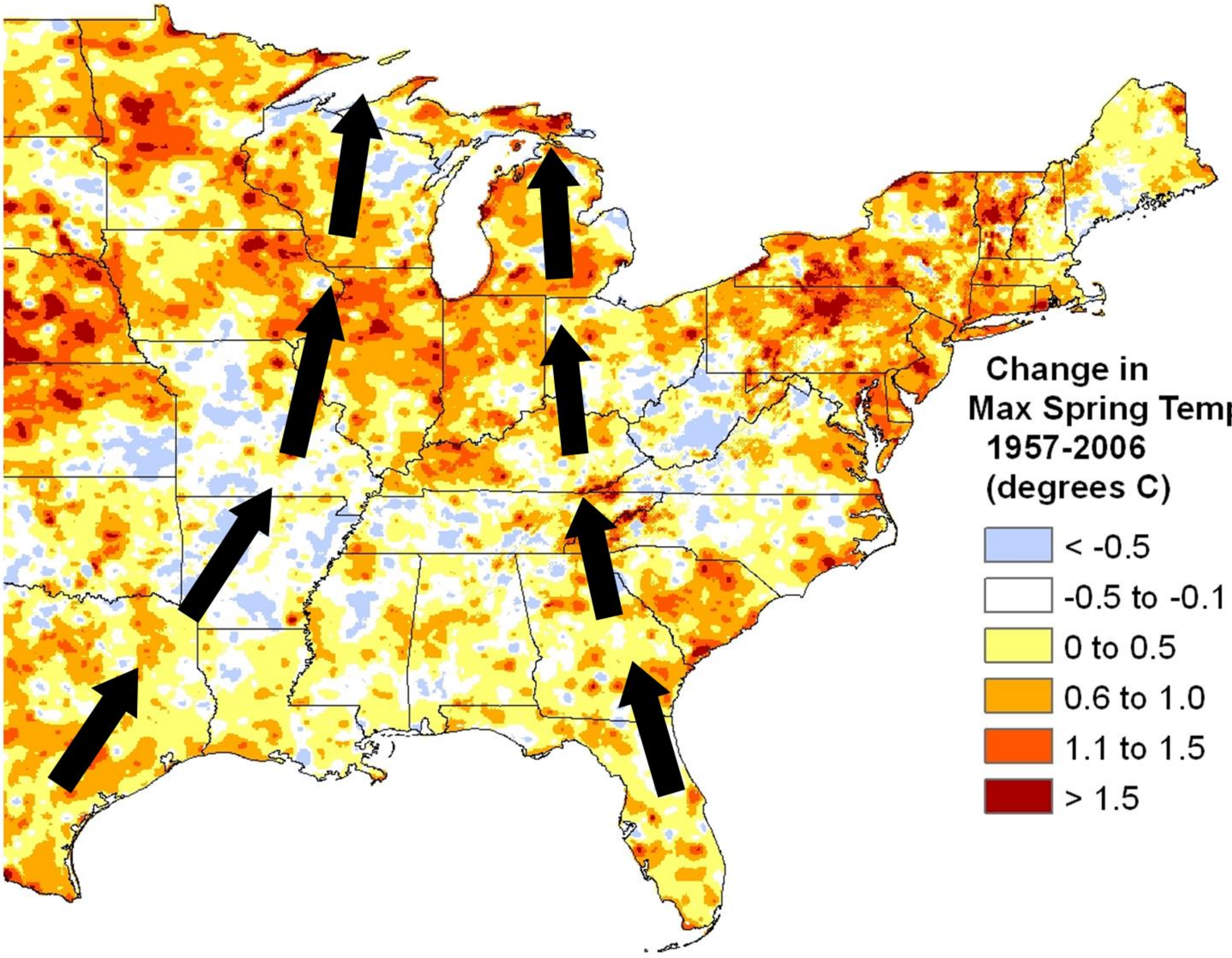
Results:

A few examples of what to do with downloaded data...

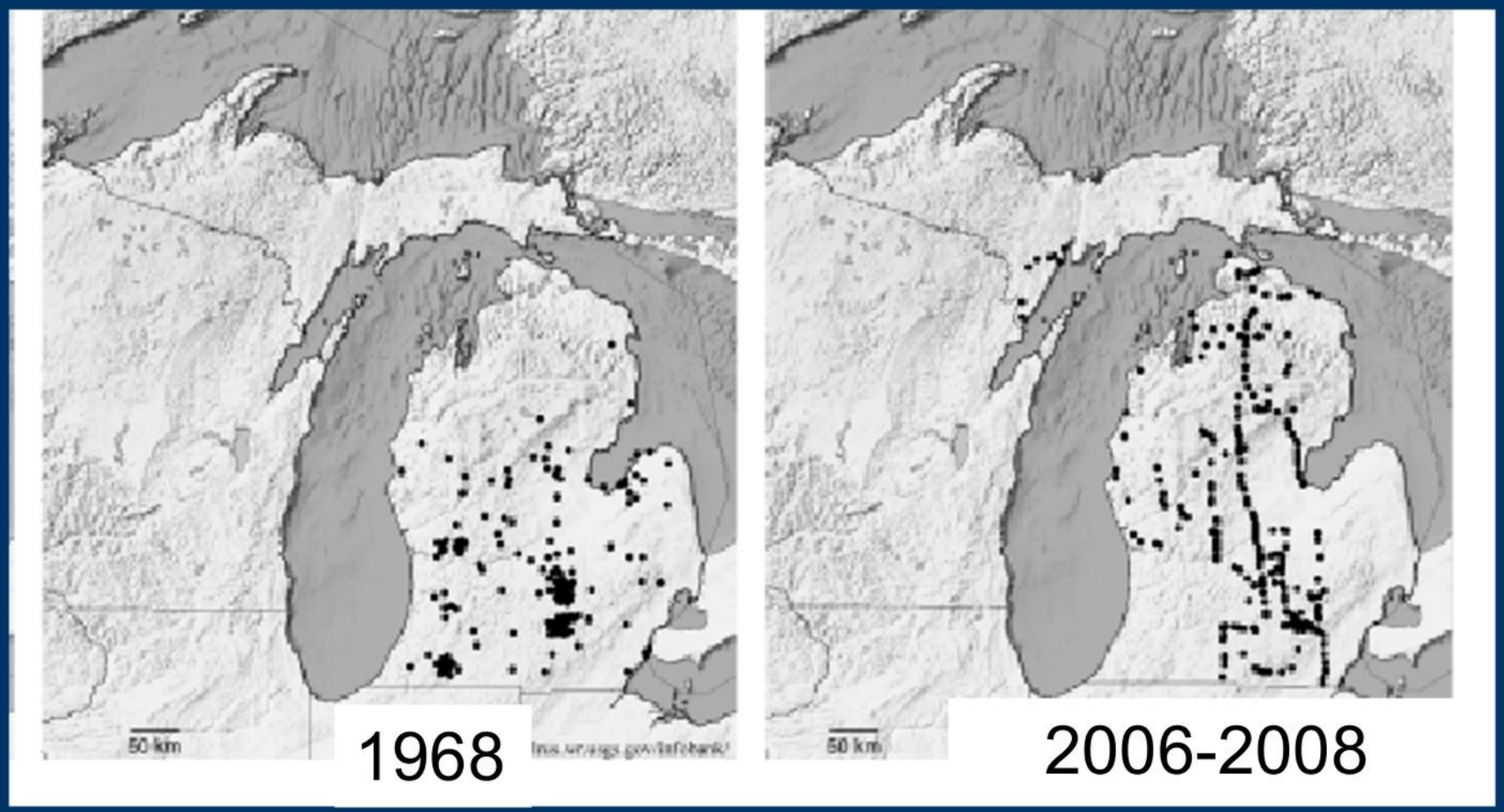
Projected increase in temperature: current averages to 2080
Ensemble of three IPCC models, A2 (high) emissions scenario



Use of recent past data—
How are temps changing on migration routes?

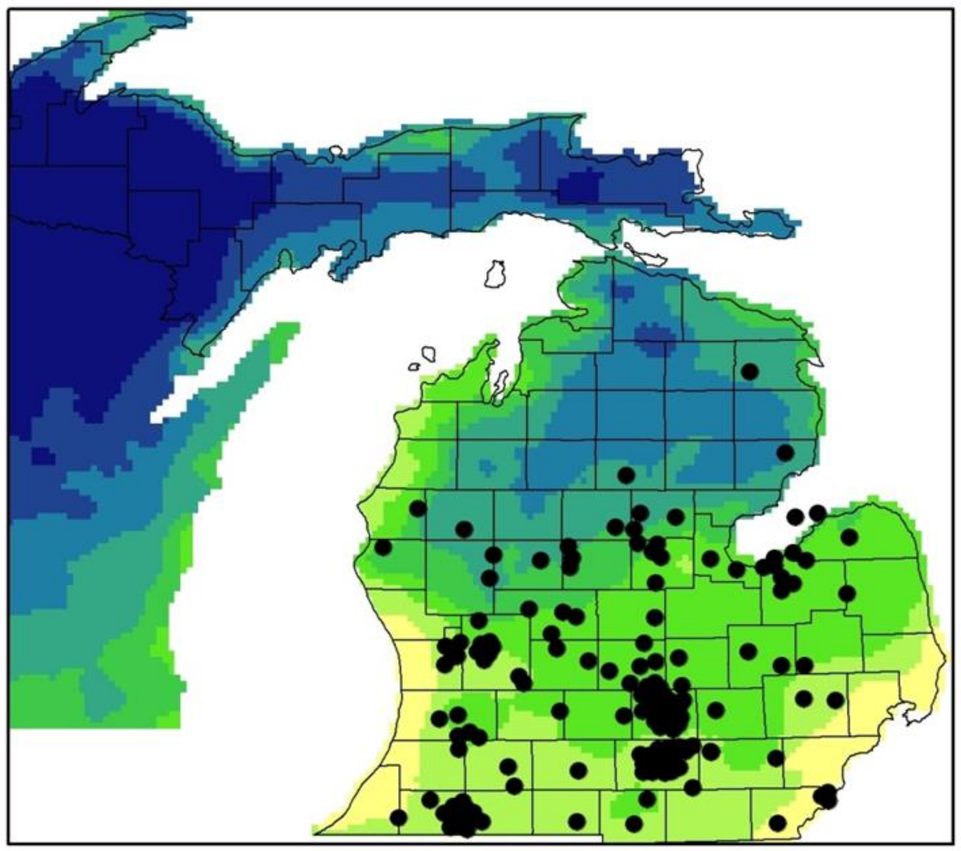


Communicate what we observe

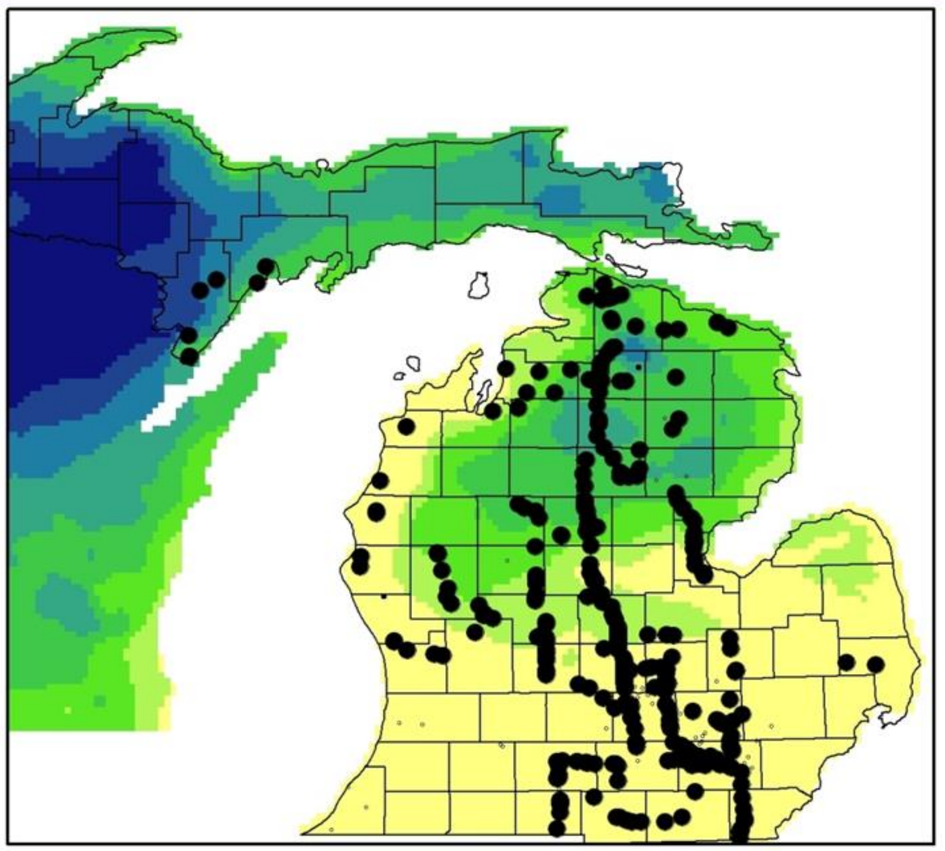


Common opossum distribution (Myers et al. 2009)

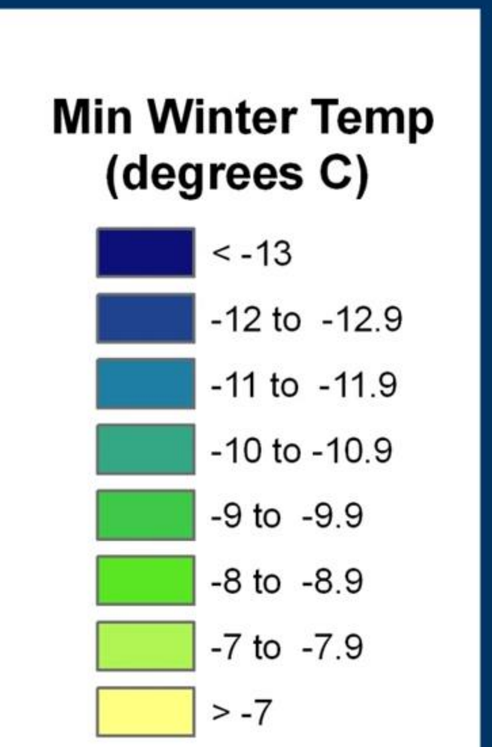
Communicate what we observe



1968



2006-2008



Common opossum distribution (Myers et al. 2009), linked with ClimateWizard temperature data (averages for winter of the 20 years prior to each survey)

Follow @climatewizard

Analysis Area	Time Period	Map Options	Measurement	Resources
United States / Global	Past 50 Years	Map of Average	Average Temperature	Suggested Reading
United States	Mid Century (2050s)	Map of Change	Precipitation	Documentation | Developer
	End Century (2080s)		January	Data and Map Image Download
		Compare & Animate Models		ClimateWizard Custom Analysis
				Printer Friendly Version

Future Climate Model

IPCC Fourth Assessment

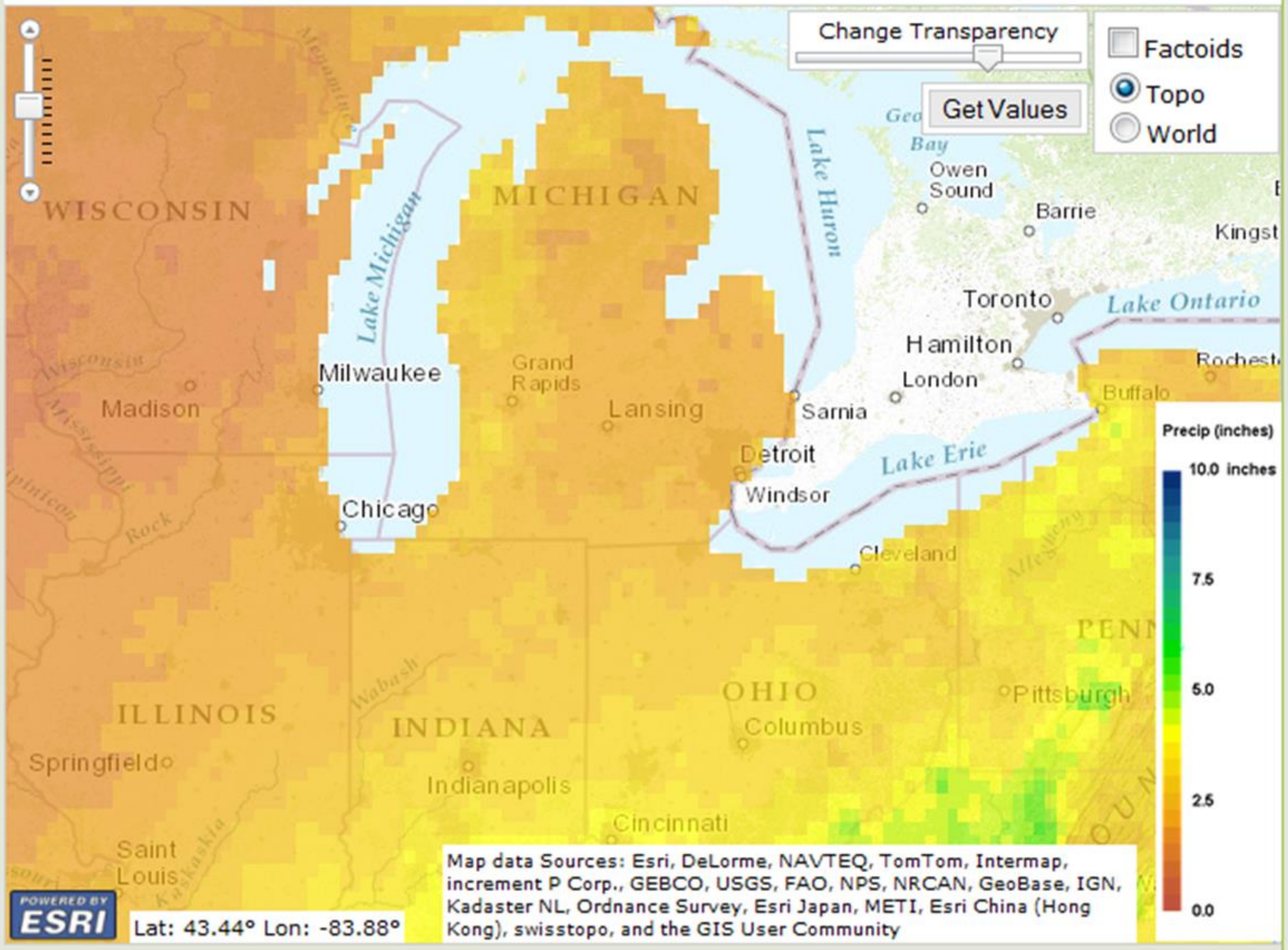
Emission Scenario: High A2

General Circulation Model: Ensemble Average

50%: This map shows the precipitation change projected by the middle model. **Areas that are blue are projected to increase by at least half of the models, and areas that are yellow to red are projected to decrease in precipitation by at least half of the models.**

Average January Precipitation by the 2080s

Model: Ensemble Average, SRES emission scenario: A2



Follow @climatewizard

Analysis Area	Time Period	Map Options	Measurement	Resources
United States / Global	Past 50 Years	Map of Average	Average Temperature	Suggested Reading
United States	Mid Century (2050s)	Map of Change	Precipitation	Documentation | Developer Data and Map Image Download
	End Century (2080s)	Compare & Animate Models	January	ClimateWizard Custom Analysis
				Printer Friendly Version

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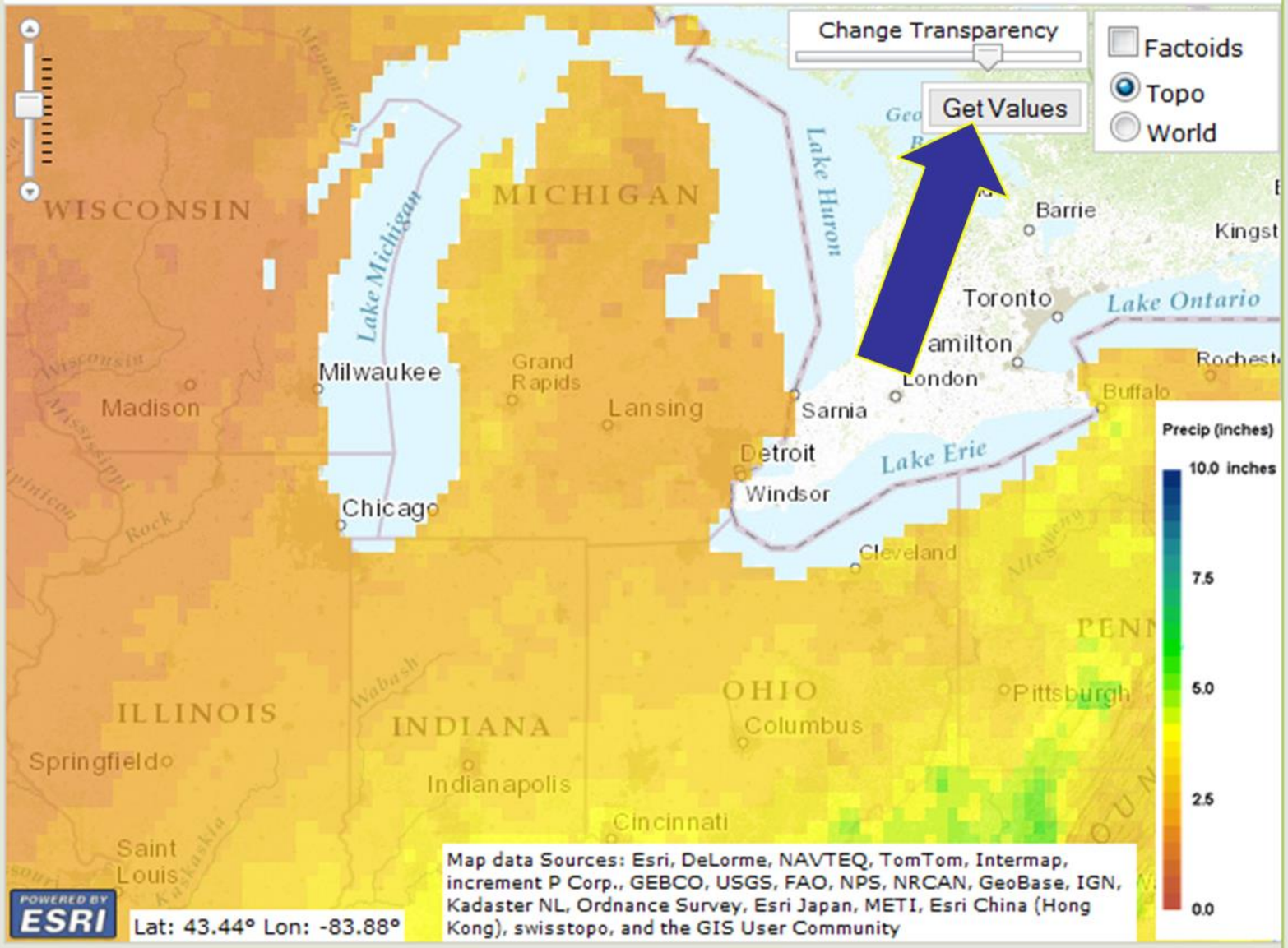
Average January Precipitation by the 2080s

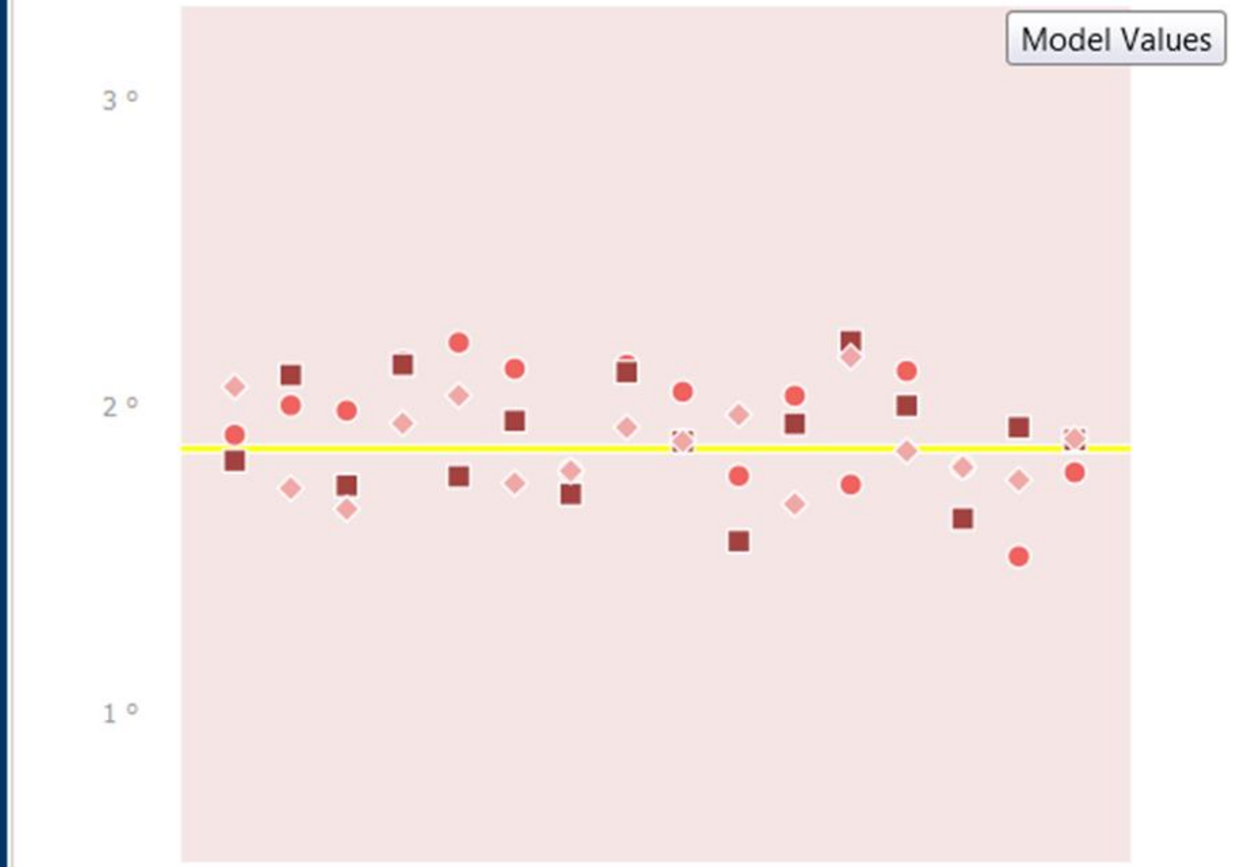
Model: Ensemble Average, SRES emission scenario: A2



Variation in projections – Precipitation for Saginaw Bay region, January in 2080s

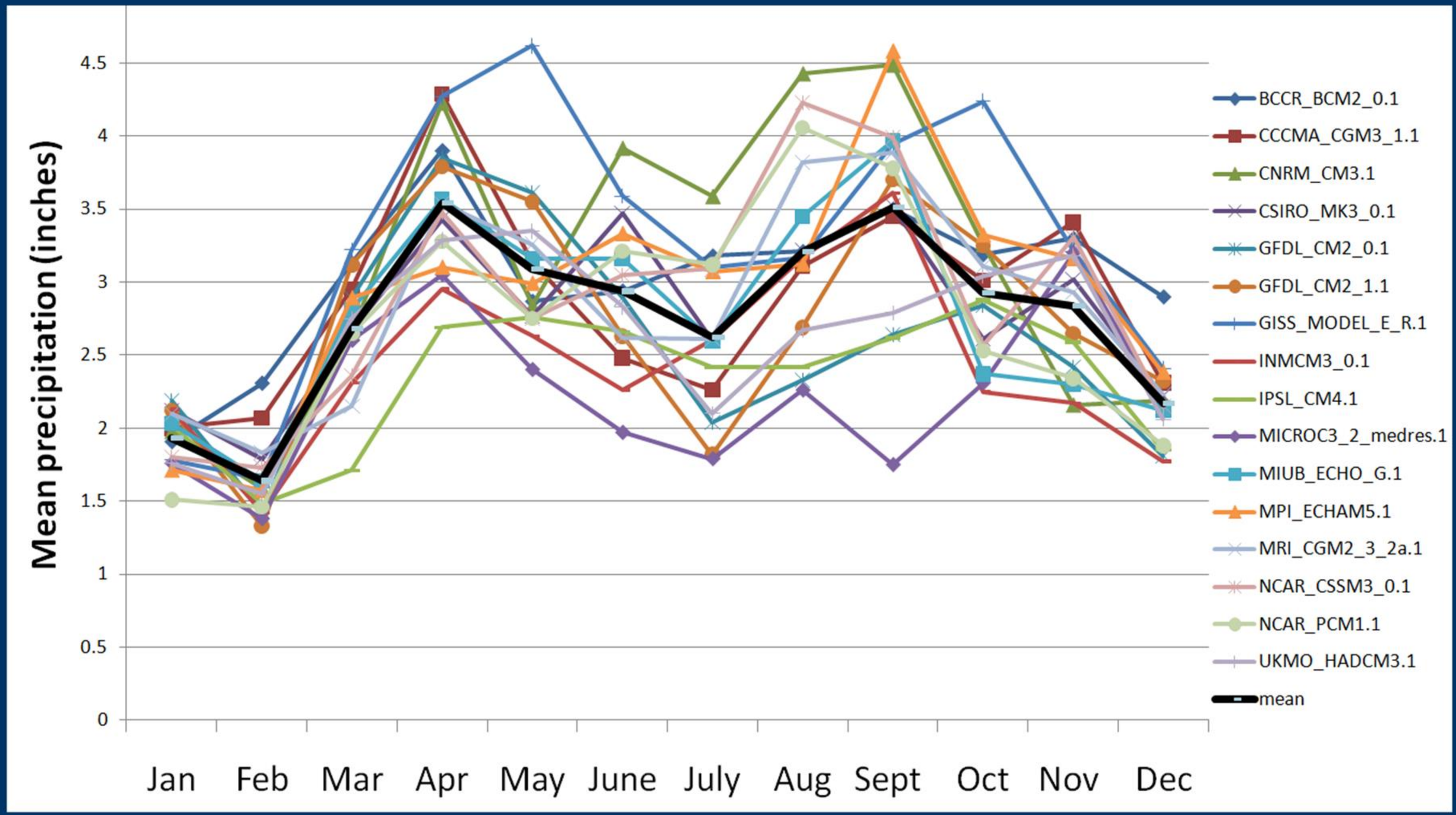
GET ALL MODEL AND SCENARIO VALUES AT INPUT LOCATION

Lon: **-84.4415**
Lat: **43.7019**



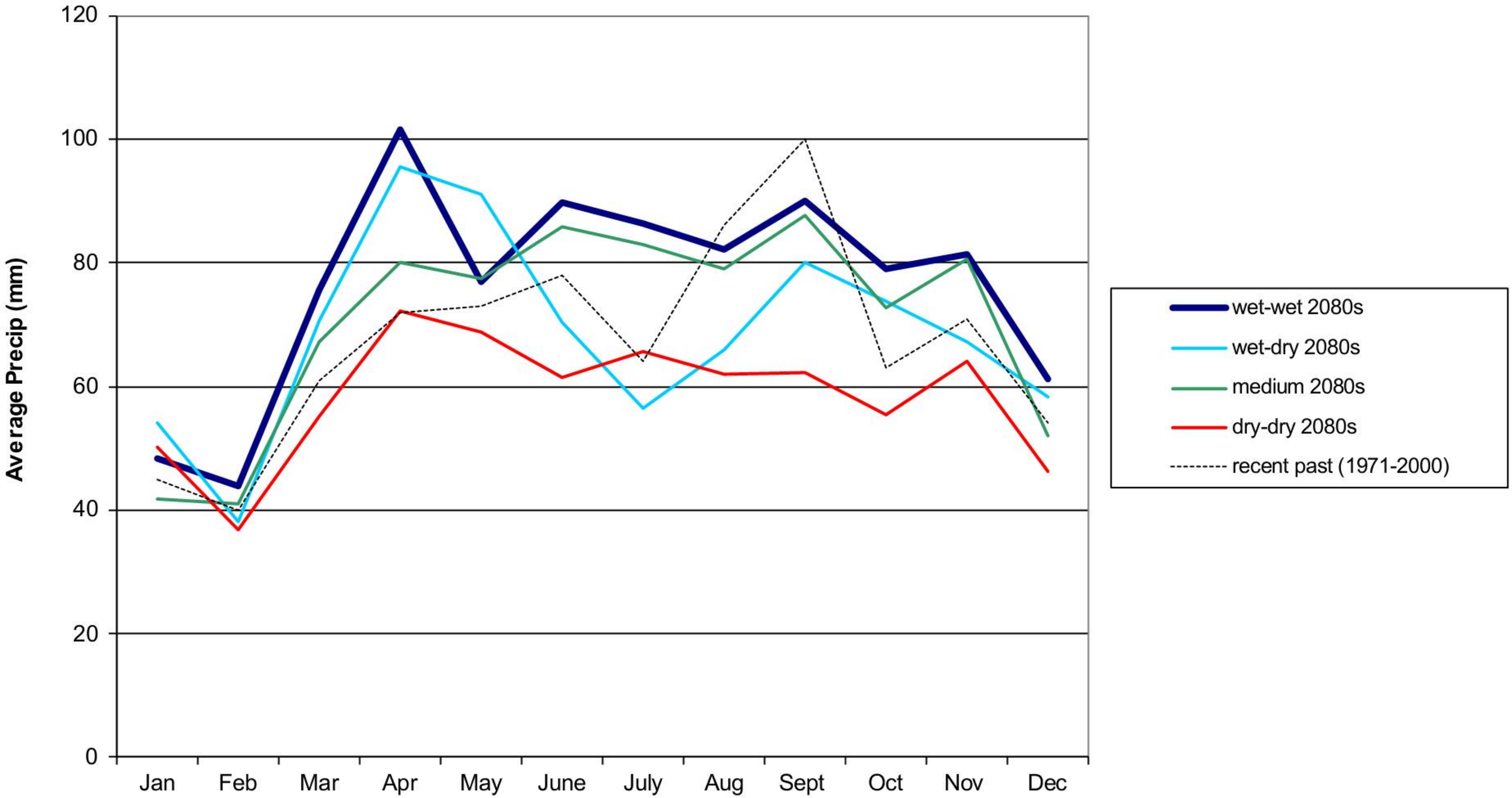
Model	B1	A1B	A2
bccr_bcm2_0.1	2.06	1.82	1.90
cccma_cgcm3_1.1	1.73	2.10	2.00
cnrm_cm3.1	1.66	1.74	1.98
csiro_mk3_0.1	1.94	2.13	2.14
gfdl_cm2_0.1	2.03	1.77	2.20
gfdl_cm2_1.1	1.75	1.95	2.12
giss_model_e_r.1	1.79	1.71	1.78
inmcm3_0.1	1.93	2.11	2.13
ipsl_cm4.1	1.88	1.88	2.04
miroc3_2_medres.1	1.97	1.56	1.77
miub_echo_g.1	1.68	1.94	2.03
mpi_echam5.1	2.16	2.21	1.74
mri_cgcm2_3_2a.1	1.85	2.00	2.11
ncar_ccsm3_0.1	1.80	1.63	1.80
ncar_pcm1.1	1.76	1.93	1.51
ukmo_hadcm3.1	1.89	1.89	1.78

Create custom ensembles for modeling Saginaw Bay project area – Precipitation, 2080s A2 scenario



Create your own “ensemble” by highlighting specific models to include in outputs

Custom climate scenarios from subsets of models, informed by knowledge of the threat & fish ecology



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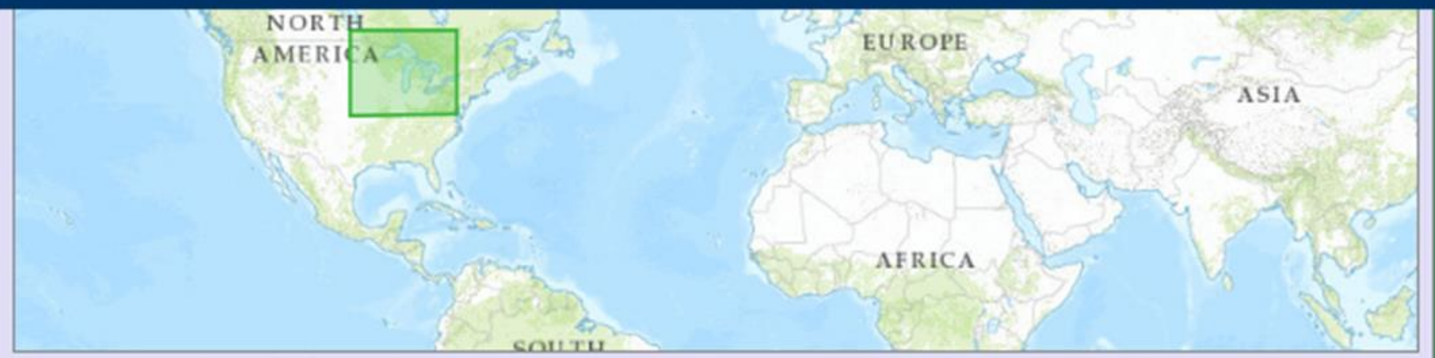
Derived variables – example:

Moisture deficit: PET – AET

PET = Potential evapotranspiration. Max amount of water that could be transpired by continuous plant cover.

AET = Actual evapotranspiration; function of PET & water availability (can't transpire what is not there).



Add Area to Map

(•) Pre-Defined Area

( ) Upload Shapefile

Add Pre-Defined Areas

Select one or more region from any of the region types below and click "add regions".
Your choices will then be added to the map display.

Region Types (Select One)	Custom Areas
Gulf Coastal Prairie US National Forests Custom Areas US States Global Regions Countries WWF Ecoregions	TAP Poweshiek East Poweshiek Range Poweshiek West Maine North Maine South Great Lakes California - Sonoma

add selected regions

Choose Climatology

( ) Current (Past Data) Climatology

(•) Future Modeled Climate

Region and Scale Options

(•) United States (Contiguous US)
4 km Current - 12 km Future

( ) Global (50 km resolution)

Analysis Options

( ) Departure Analysis (from 1961-1990)

(•) Linear Trend Analysis

[ ] English Units (metric is default)

Climate Variables

(Choose one or more)

[x] Precipitation (Absolute Change)

[x] Precipitation (Percent Change)

[x] Mean Monthly Temperature

*** No monthly data for moisture variables below ***

* DO NOT choose the monthly time option with these *

[x] Moisture Deficit

[x] Moisture Surplus

[x] PET (Potential Evapotranspiration)

[x] AET/PET (ratio)

[x] SPI (Standardized Precipitation Index)

[x] RAI (Rainfall Anomaly Index)

Time Options

Start Year: 2000 End Year: 2060

[x] Annual [x] Seasonal [ ] Monthly

Climate Model Options

(To download model documentation, click the model labels)

General Circulation Model:

©IPCC 2007: WG1-AR4
(Choose one or more)

MIROC3 2 medres
ECHO-G
ECHAM5 MPI-OM
CCSM3
PCM
UKMO-HadCM3

Greenhouse Gas Concentration (CO_2)

©IPCC 2007: WG1-AR4
(Choose one or more)

[x] A2 (High) [ ] A1B (Med) [ ] B1 (Low)

Results:

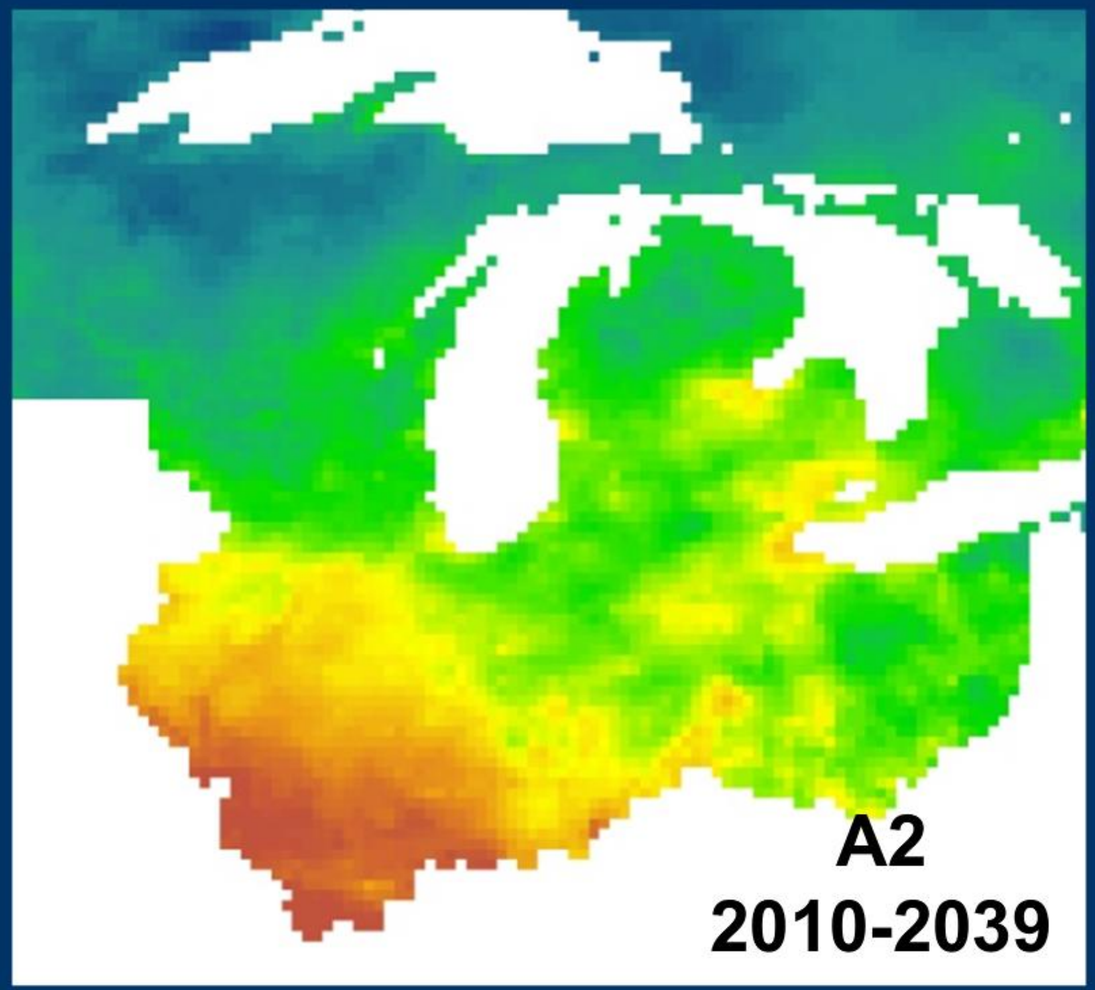
Analysis Output Name:
(identical names will be overwritten)
NO SPACES no special characters such as ( ) # ? $ etc

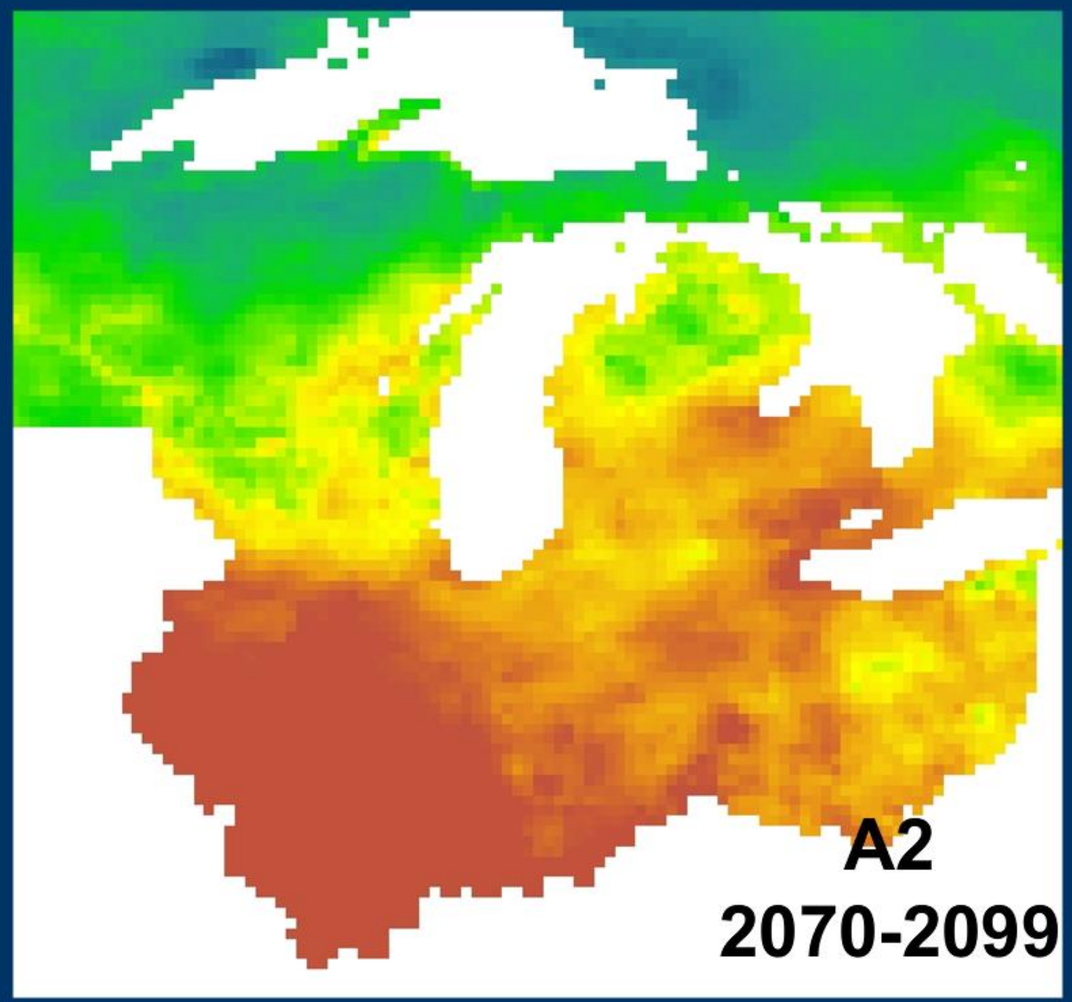
GreatLakesSeasons_2000to2060

Email Address:
(Your results will be emailed to you)

kimberly_hall@tnc.org

Submit





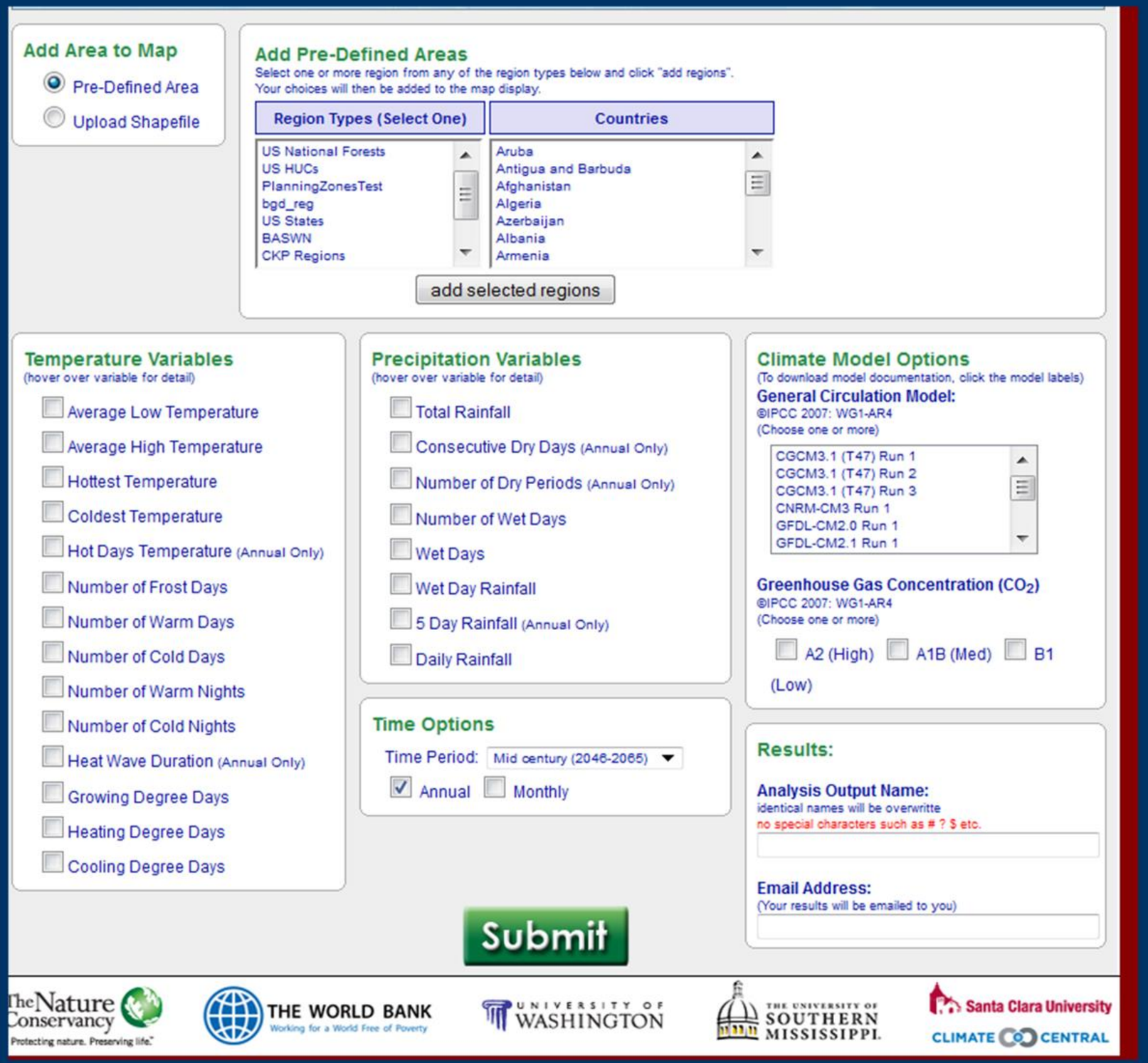
Moisture deficit (mm)

High : 350

Low : 0

Ensemble of 16 models

Variable options on the World Bank's Climate Knowledge Portal version of Climate Wizard



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adapt.nd.edu

COLLABORATORY for ADAPTATION to CLIMATE CHANGE

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Welcome to Adapt!

This website is a resource for research, education, and collaboration in the area of adaptation and climate change. It is funded by the National Science Foundation and the University of Notre Dame. Our team at Notre Dame, and our outreach partners at The Nature Conservancy's Great Lakes Project, invite you to share your information needs, ideas, tools, and experiences in climate change adaptation. Click on a task in the slide show or choose an activity from the menus and start adapting!

If you are new to our site, you might start with our Collaboratory Tutorial

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Keyword or phrase: Search

Popular Tags: adaptation | climate change | Policy | legal | government | Federal Government | chicago | TNC | ccvi | Biodiversity | International | vulnerability assessment | collaboratory | Adaptive Management | The Nature Conservancy | great lakes | vulnerability | water resources | Pew Center on Global Climate Change | Interagency Climate Change Adaptation Task Force

WHAT'S NEW IN RESOURCES

Vulnerability of At-risk Species to Climate Change in New York
in Publications, Apr 23, 2012

Collaboratory Adaptation Tutorial
in Educational Materials, Apr 23, 2012

Climate Change in the Windy City and the World
in Educational Materials, Apr 09, 2012

Northwoods Adaptation pre-conference (March 2012) webinar: Overview of climate change impacts in the Northwoods
in Other Online Resources, Mar 28, 2012

Northwoods Adaptation pre-conference (March 2012) webinar: Introduction to the Collaboratory

GET INVOLVED

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Climate Adaptation "Collaboratory"

UNIVERSITY OF NOTRE DAME

Mission Statement:

"The research mission of the Collaboratory is to improve the **dissemination** and **integration** of knowledge that will **inform** the development of prescient **adaptation strategies** and **policies**.

Opportunity: Use the power of computer networks to harness the "wisdom of crowds."

NSF

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Collaborate, not duplicate....

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cake
Climate Adaptation Knowledge Exchange

SIGN IN | REG

CASE STUDIES | VIRTUAL LIBRARY | DIR

The National Estuarine Research Reserve's "Planning for Climate Change" Workshop

Case Study:
On the ground climate adaptation action

Virtual Li
Information to supp adaptation effort

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ClimateWizard

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Analysis Area	Time Period	Map Options	Measurement	Resources
United States / Global Michigan	Past 50 Years Mid Century (2050s) End Century (2080s)	Map of Average Map of Change Compare & Animate Models	Average Temperature Precipitation Annual	Case Studies Documentation Data and Map Image Download ClimateWizard Custom Analysis Printer Friendly Version

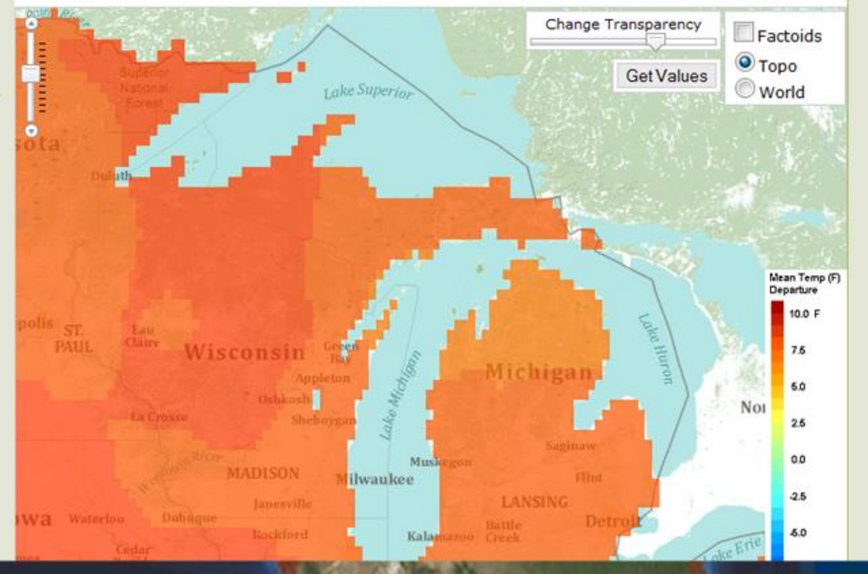
Future Climate Model
IPCC Fourth Assessment
Emission Scenario: High A2
General Circulation Model: Ensemble Average

Ensemble Average
Ensemble Lowest
Ensemble 20%
Ensemble 40%
Ensemble 60%
Ensemble 80%
Ensemble Highest
BCCR-BCM2.0
CGCM3.1 (T47)
CNRM-CM3
CSIRO-Mk3.0
GFDL-CM2.0
GFDL-CM2.1
GISS-ER
INM-CM3.0
IPSL-CM4
MIROC3.2 (medres)
ECHO-G

models project a greater amount of change, and half of the models project less change as compared to the 1961-1990 baseline average.

Change in Annual Temperature by the 2080s
Model: Ensemble Average, SRES emission scenario: A2

Change Transparency
Get Values
Factoids
Topo
World



DIGITAL COAST
NOAA Coastal Services Center

More than just data...

The Digital Coast also provides the tools, training, and information needed to turn these data into the information most needed by coastal resource management professionals. Read more...

Welcome to the Digital Coast. If you have questions or comments, please take a video tour or contact us.

Data
Learn more about the kinds of data available and download data.

Approaches
Coastal Inundation Toolkit
Understand the basics and get the tools

Featured Resources
Sea Level Rise and Coastal Flooding Impacts Viewer
Creates maps of potential impacts of sea

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Technology: HUBzero platform

nanoHUB.org
an NCN project

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FEATURED

Valence Shell Electron Pair Repulsion simulator : This tool calculates the optimal distribution of particles subject to a Coulombic potential on the ... - in Tools

MSE 376 Nanomaterials - in Courses

Saumitra Raj Mehrotra, Purdue University - Contributions: 64

Designing a Small Planar Antenna for Agricultural Sensor Network - in Notes

ECE 495N Lecture 22: Density of States I - featured on iTunes U

How useful can ring shaped nano and micro crystals be in materials science? - asked by Madhanagopal B, in Answers

NOTABLE QUOTE

After taking the Rappture workshops, I went back and looked at the slides and examples on nanoHUB.org. There was a lot of support.

Marcela Meza, Graduate student, University of Texas at El Paso (2011) - in Notable Quotes

NEW IN RESOURCES

ECE 695A Lecture 39-1: Radiation and Devices I
in Online Presentations, May 01, 2013

ECE 695A Lecture 39-1R: Review Questions
in Online Presentations, May 01, 2013

From Lilienfeld to Landauer: Understanding the nanoscale transistor
in Online Presentations, Apr 30, 2013

ECE 595E Lecture 36: MEEP Tutorial II
in Online Presentations, Apr 30, 2013

EXAMPLE ---nanoHUB.org

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How do you use it?

UNIVERSITY OF NOTRE DAME

- Run videos & on-line presentations (e.g., tutorials)
- Run interactive simulation tools collaboratively
- Users upload resources & tools, build or contribute new tools
- Content is tagged and rated by users
- Create user groups: Groups have their own wikis, calendars, blog space, prioritized wishlist, and more
- Learn about how visitors use info so we can develop methods and tools that help us get better at virtual collaboration & dealing with “wicked” problems

The Collaboratory Team






How do we improve use of and learning in online environments?





Tool and guidance developers – What can we help you test and explore?

Climate Change Vulnerability Index (5:05 pm)

Tool | Questions? | About

CCVI Notebook

Home | Section A | Section B | Section C | Section D | Section Result | Database Access | Existing Feedback

The NatureServe Change Vulnerability Index

Release 2.1 © *7 April 2011; Bruce Young, Elizabeth Byers, Kelly Gravuer, Kim Hall, Geoff Hammerson, Alan Redder*
With input from: *Jay Cordeiro, Kristin Szabo*
Funding for Release 2.0 generously provided by the Duke Energy Corporation.

Web Tool Iteration 2.0

* = *Required Field*

NatureServe

Geographic Area Assessed: *

Assessment Name: *

Assessor: Patrick J Doran 85

Species Scientific Name: *

Major Taxonomic Group: *

States:
- ☐ Alabama
- ☐ Alaska
- ☐ Arizona

English Name:

G-Rank:

S-Rank:

Relation of Species' Range to Assessment Area: *

Check if species is an obligate of caves or groundwater aquatic systems: ☐

Check if this assessment will be stored as "private" - only you can view it: ☐

Reviewers have the abiltiy to make comments on assessments for which they have been requested to do so. Collaborators have the same priviledge and can also update the original assessment to fix errors or make improvements.

Select collaborators/reviewers and request feedback:

C	R	F	Name
☑	☐	☐	kimhall_tnc
☐	☐	☐	James Lukey
☐	☐	☐	Reid Johnson

Assessment Notes (to document special methods and data sources)

Reviewer Comments:

Climate Change Vulnerability Index (5:05 pm)

Tool | Questions? | About

CCVI Notebook

Home | Section A | Section B | Section C | Section D | Section Result | Database Access | Existing Feedback

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With input from: *Jay Cordeiro, Kristin Szabo*
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NatureServe

Web Tool Iteration 2.0

* = *Required Field*

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improvements.

Assessment Notes (to document special methods and data sources)

Reviewer Comments:

Select collaborators/reviewers and request feedback:

C	R	F	Name
☑	☐	☐	kimhall_tnc
☐	☐	☐	James Lukey
☐	☐	☐	Reid Johnson

Web Version of Climate Change Vulnerability Index

CCVI Notebook

Section B | Section C | Section D | Section Result | **Database Access** | Existing Feedback | Documentation

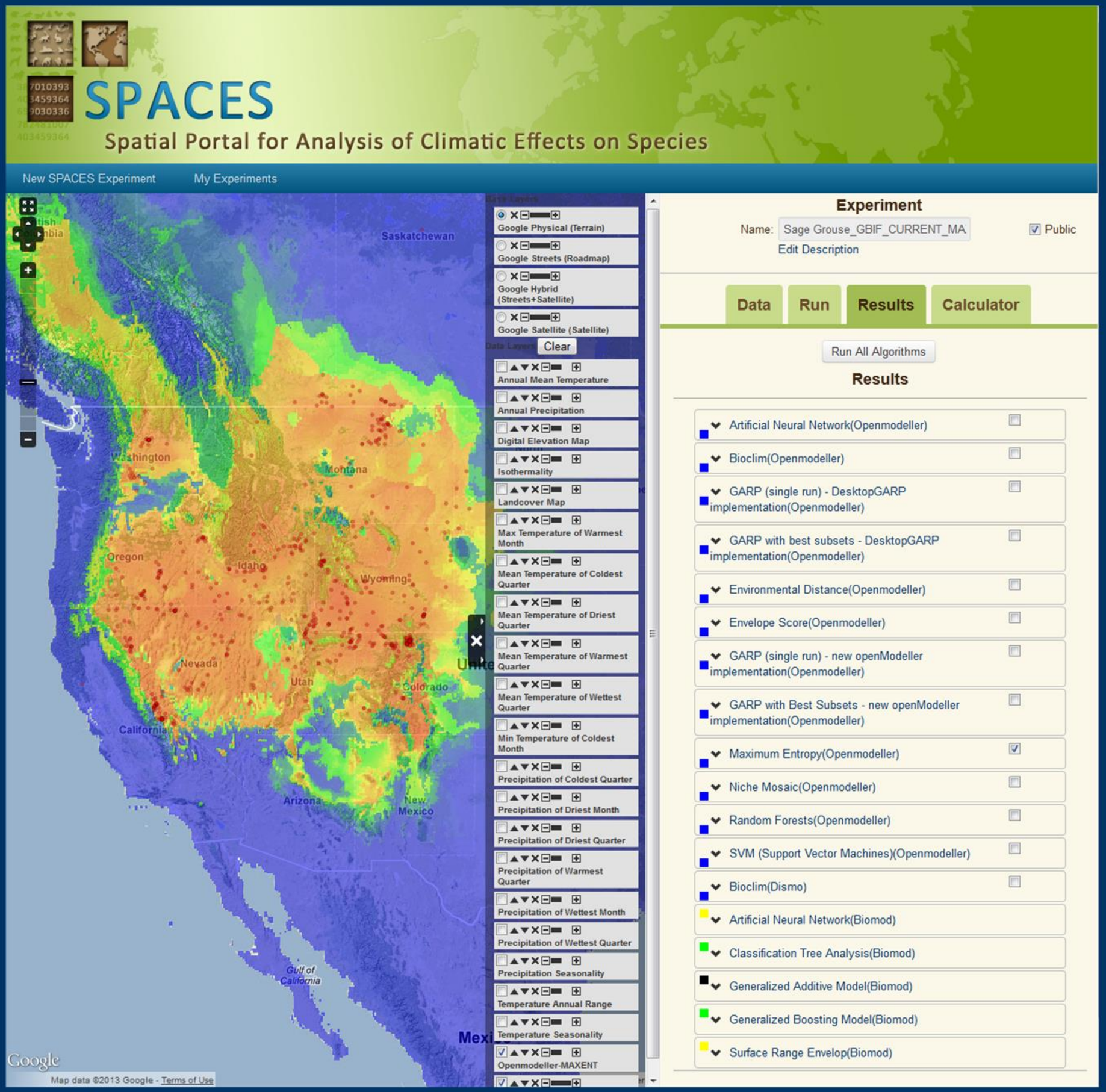
Import CSV file (CCVI Excel version) into the database: Import

Assessor: Stacy Small-Lorenz 11 | Species Name: All

Taxonomic Group: Fish | English Name: All

Sort by: Assessment Name | Search Assessments

2011-10-21 16	Stacy Small	ssmall_2011-10-21_16	Fish	perca flav	yellow perch	Illinois	Center of ran	False
2011-10-21 16	Stacy Small	ssmall_2011-10-21_16	Fish	Micropteru	Smallmouth bas	Illinois	Northern edg	None
2011-10-21 16	Stacy Small	ssmall_2011-10-21_16	Fish	Ichthyomy	Chestnut lampre	Illinois	Center of ran	None
2011-10-21 16	Stacy Small	ssmall_2011-10-21_16	Fish	Ichthyomy	Northern brook l	Illinois	Southern edg	None
2011-10-21 16	Stacy Small	ssmall_2011-10-21_16	Fish	Ichthyomy	silver lamprey	Illinois	Southern edg	None
2011-10-21 16	Stacy Small	ssmall_2011-10-21_16	Fish	Lampetra	Least brook lam	Illinois	Northern edg	None
2011-10-21 16	Stacy Small	ssmall_2011-10-21_16	Fish	Lampetra	American brook	Illinois	Center of ran	None
2011-10-21 16	Stacy Small	ssmall_2011-10-21_16	Fish	Petromyzo	sea lamprey	Illinois	East/west ed	False
2011-10-21 16	Stacy Small	ssmall_2011-10-21_16	Fish	Acipenser	lake sturgeon	Illinois	Southern edg	None
2011-10-21 16	Stacy Small	ssmall_2011-10-21_16	Fish	Scaphirhy	pallid sturgeon	Illinois	East/west ed	None
2011-10-21 16	Stacy Small	ssmall_2011-10-21_16	Fish	Scaphirhy	shovelnose stur	Illinois	Center of ran	None
2011-10-21 16	Stacy Small	ssmall_2011-10-21_16	Fish	Polyodon	paddlefish	Illinois	Center of ran	None
2011-10-21 16	Stacy Small	ssmall_2011-10-21_16	Fish	Lepisoste	Spotted gar	Illinois	Northern edg	None
2011-10-21 16	Stacy Small	ssmall_2011-10-21_16	Fish	Lepisoste	longnose gar	Illinois	Center of ran	None
2011-10-21 16	Stacy Small	ssmall_2011-10-21_16	Fish	Lepisoste	shortnose gar	Illinois	Center of ran	None



SPACES – Facilitating range change projections

Interested in testing the tool and engaging in discussions with researchers & practitioners? Get in touch!

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Four initial focal areas

UNIVERSITY OF NOTRE DAME

- From vulnerability assessments to action – NatureServe CCVI , niche models, interactive versions of frameworks for adaptation

- Local connections: City of Chicago “Climate Checklist” for resource managers

- Connecting diverse forest managers in the upper Midwest (Federal, State, Tribal, NGOs, Industry, private non-industrial)

- Connecting groups working on Great Lakes coastal community adaptation – workshop support.

My “dashboard”

COLLABORATORY for ADAPTATION to CLIMATE CHANGE

search...

80 New Message(s)

Kimberly Reade Hall (kimhall_tnc)

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You are here: Members › Kimberly Reade Hall

Dashboard

- Profile
- Contributions 72
- Points
- Groups 14
- Usage
- Favorites 1
- Messages

Kimberly Reade Hall

Edit profile | Change Password | Personalize Dashboard

My Sessions

(none)

My Tools

Recent | Favorites | All Tools

Climate Change Vulnerability Index Tool

Workspace

These are your most recently used tools.

Resources

- Tools & Models
- Laws, Regulations & Plans
- Government Studies & Reports
- Publications
- Case Studies
- Educational Materials

My Groups

CCVI Development Group	approved
Checklist Team Leaders	approved
Adaptation Checklist Work Group	approved
Climate Smart Work Group	manager
Great Lakes Coastal Communities	approved
Collaboratory Development Group	approved
Collaboratory PI group	approved
Excecutive Council	approved
Chicago-based education development group	approved

My Wishes

Submitted Wishes

- #8: Can someone create a tool that … — Pending — Wish List: openccvi Group
- #6: Examples of prioritization schemes! — Pending — Wish List: climatesmart Group
- #5: Add a standardized geographic … — Pending — Wish List: openccvi Group
- #4: Create a direct link to … — Pending — Wish List: openccvi Group

Assigned Wishes

You have no open wishes at this time.

New Wish

Front page of the Open CCVI group

COLLABORATORY for ADAPTATION to CLIMATE CHANGE

search...

9 New Message(s)

Kimberly Reade Hall (kimhall_tnc)

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You are here: Groups › Open CCVI User Group

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Open CCVI User Group

About the Group

Show Public Description (+)

Welcome! Thanks for joining the CCVI user group.

This is an open working group for people interested in using the NatureServe Climate Change Vulnerability Index for evaluating the potential vulnerability of species to climate change. This working group is intended to help people using the tool find each other, and to help establish connections across other working groups (some of which may be private) that arise that are focused on particular assessments. This is a good place to post broad suggestions on how to use or improve the tool, to post information on ongoing use of the tool, and to request help from other users. Note that all resources or information posted here is expected to be viewable by anyone (open group).

Here as some ideas to help you get started. First, please add your name to the wiki so we can all get better connected, and develop a community for peer review, while avoiding duplicative assessments. Also, you can share your ideas for improvement in the CCVI as implemented here on the wishlist— as top ideas emerge, we can discuss them on the discussion page. Next, you might take a look at the resources page, and add any that you would like to share. Finally, if you have webinars, workshops or presentations that you would like others to know about, add them to the calendar. Help this group space grow into something that makes this work more efficient and fun for all of us!

Group manag

Show Manager Co

Managers:	Kimber
Members:	11
Discoverability:	Visible
Policy:	Open
Created:	18 Oct
Tags:	Biodiv
	Nature
	vulner
	vulner

Group Members

View all members →

Beatriz Prieto | Andrew Carroll | Leah A Culp | Anna Alber | Bruce Young | Patrick J Doran | Christopher L

Open CCVI resources page

COLLABORATORY for ADAPTATION to CLIMATE CHANGE

9 New Message(s)

Kimberly Reade Hall (kimhall_tnc)

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Open CCVI User Group

Resources — 5 results

Guidelines for using the NatureServe Climate Change Vulnerability Index

09 Nov 2011 Publications Contributor(s): Bruce Young

★★★★★ 5.0 out of 5 stars

From NatureServe: Motivated by the need for a means to rapidly assess the vulnerability of species to climate change, NatureServe developed a Climate Change Vulnerability Index. The Index uses a …

https://adapt.nd.edu/resources/219

Updating the Illinois Wildlife Action Plan: Using a vulnerability assessment to inform conservation priorities

15 Feb 2012 Case Studies Contributor(s): Katherine J Kahl, Kimberly Reade Hall, Jeff W Walk, Patrick J Doran

★★★★★ 0.0 out of 5 stars

This case study is one in a series that provides conservation practitioners and decision-makers with tangible examples of how information is being used to advance conservation strategies that …

https://adapt.nd.edu/resources/248

Landscape-scale indicators of biodiversity's vulnerability to climate change

03 Nov 2011 Publications Contributor(s): Kimberly Reade Hall

★★★★★ 0.0 out of 5 stars

Open CCVI wish list

r Group › Wish List

Open CCVI User Group

Prioritized List of Pending Requests (4)

NEW **Ability to compare one species across assessments, especially across geographies**

Proposed by Christopher L Hoving on 24 Apr 2012, 0 Comments

Rank this | 3 Like 0 Dislike

NEW **Can someone create a tool that maps the outputs?**

Proposed by Kimberly Reade Hall on 23 Apr 2012, 0 Comments

Rank this | 1 Like 0 Dislike

NEW **Add a standardized geographic column**

Proposed by Kimberly Reade Hall on 16 Apr 2012, 0 Comments

Rank this | 2 Like 0 Dislike

NEW **Create a direct link to ClimateWizard for downloading exposure data**

Proposed by Kimberly Reade Hall on 16 Apr 2012, 0 Comments

Rank this | 3 Like 0 Dislike

Wish List Actions

Add a new wish

Current CCVI discussion topics

COLLABORATORY for ADAPTATION to CLIMATE CHANGE

9 New Message(s)

Kimberly Reade Hall (kimhall_tnc)

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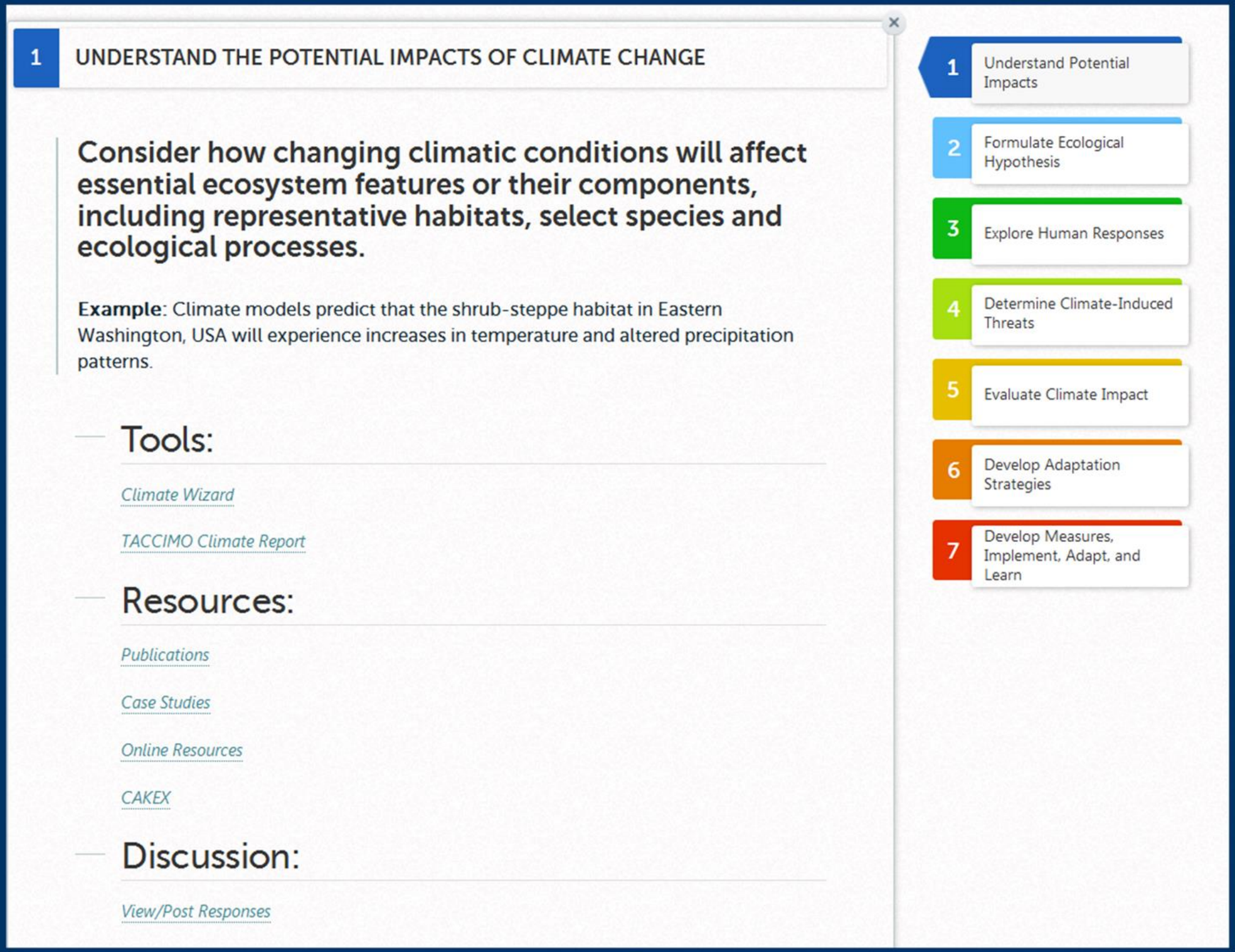
CCVI Discussion topics

Discussions on handling particular taxa This category of discussions is a place for people to share ideas, "rules of thumb," or concerns about how the Index handles particular taxonomic groups.	2 Discussions	2 Posts	
Discussions on managing the shared database Discussion in this section focus on the shared database for the CCVI that is included here in the Collaboratory version. How do we manage this resource as it grows?	1 Discussions	1 Posts	
Discussions on using and presenting results Discussions here should focus on how to interpret, use, and present results.	1 Discussions	1 Posts	

Add Category

Development area – interactive guidance linked to tools “Adaptation workflows”

Development area – interactive guidance linked to tools "Adaptation workflows"



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Thank you!

GAYLORD & DOROTHY DONNELLEY FOUNDATION

CHARLES STEWART MOTT FOUNDATION

THE KRESGE FOUNDATION

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