

Some ACCCNRS members shared examples of their climate science needs at the September 2014 ACCCNRS meeting. This document includes the slides that some of those members chose to include in their presentation.

September 17, 2014

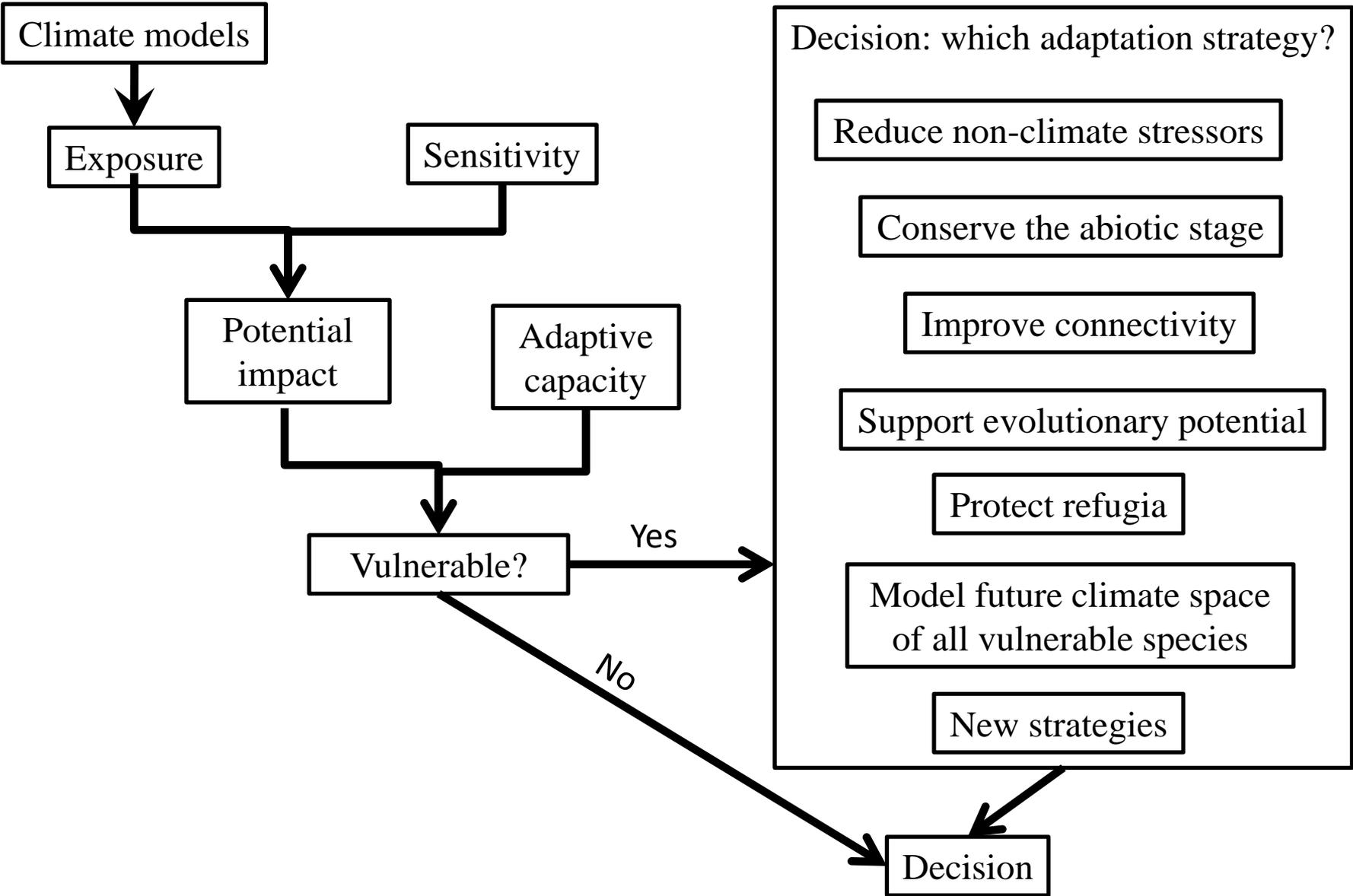
Paul Beier

Regents' Professor, School of Forestry,
Northern Arizona University, and Past
President, Society for Conservation Biology

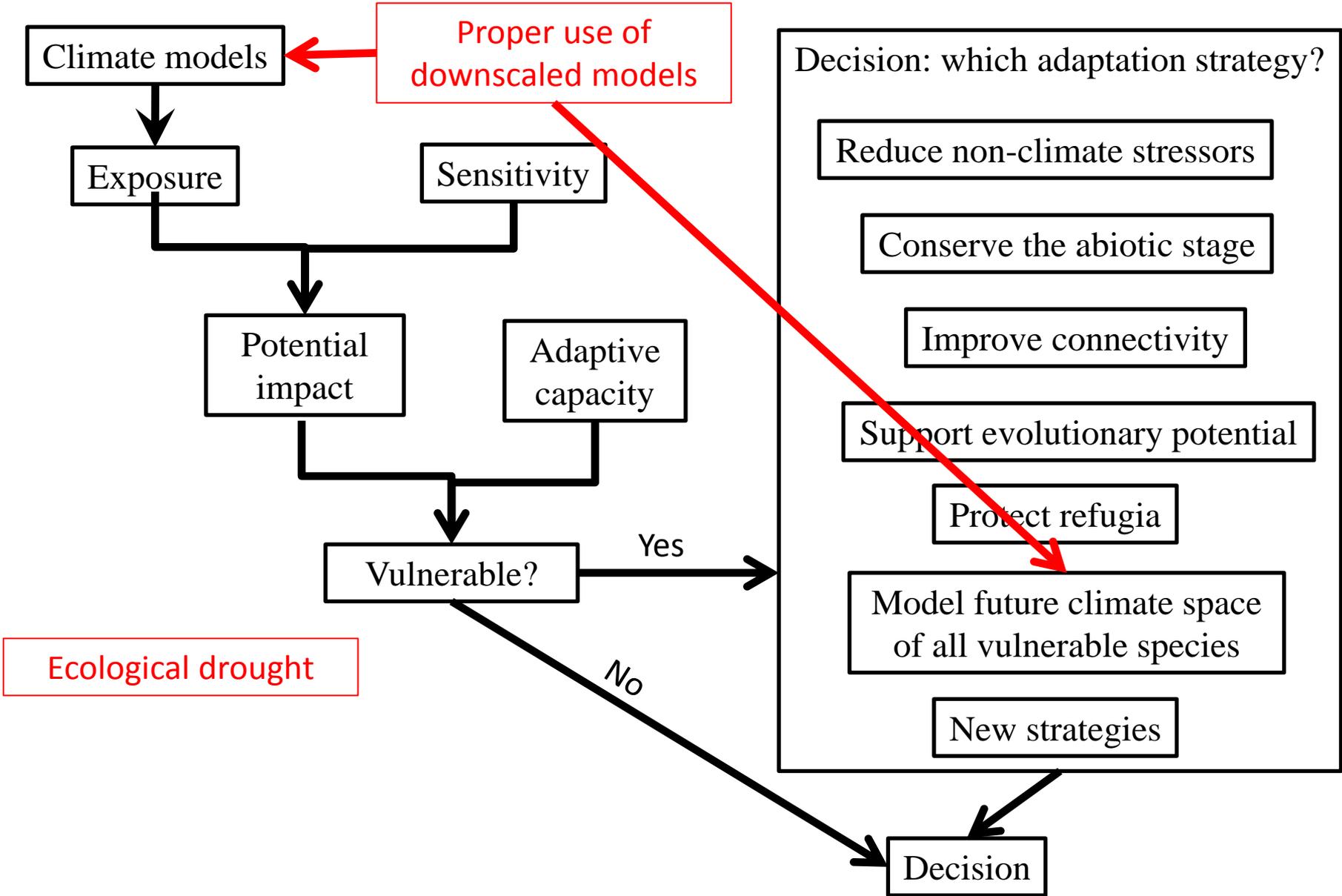
Mission: “provide tools & info managers need to develop & implement management strategies” to cope with CC.

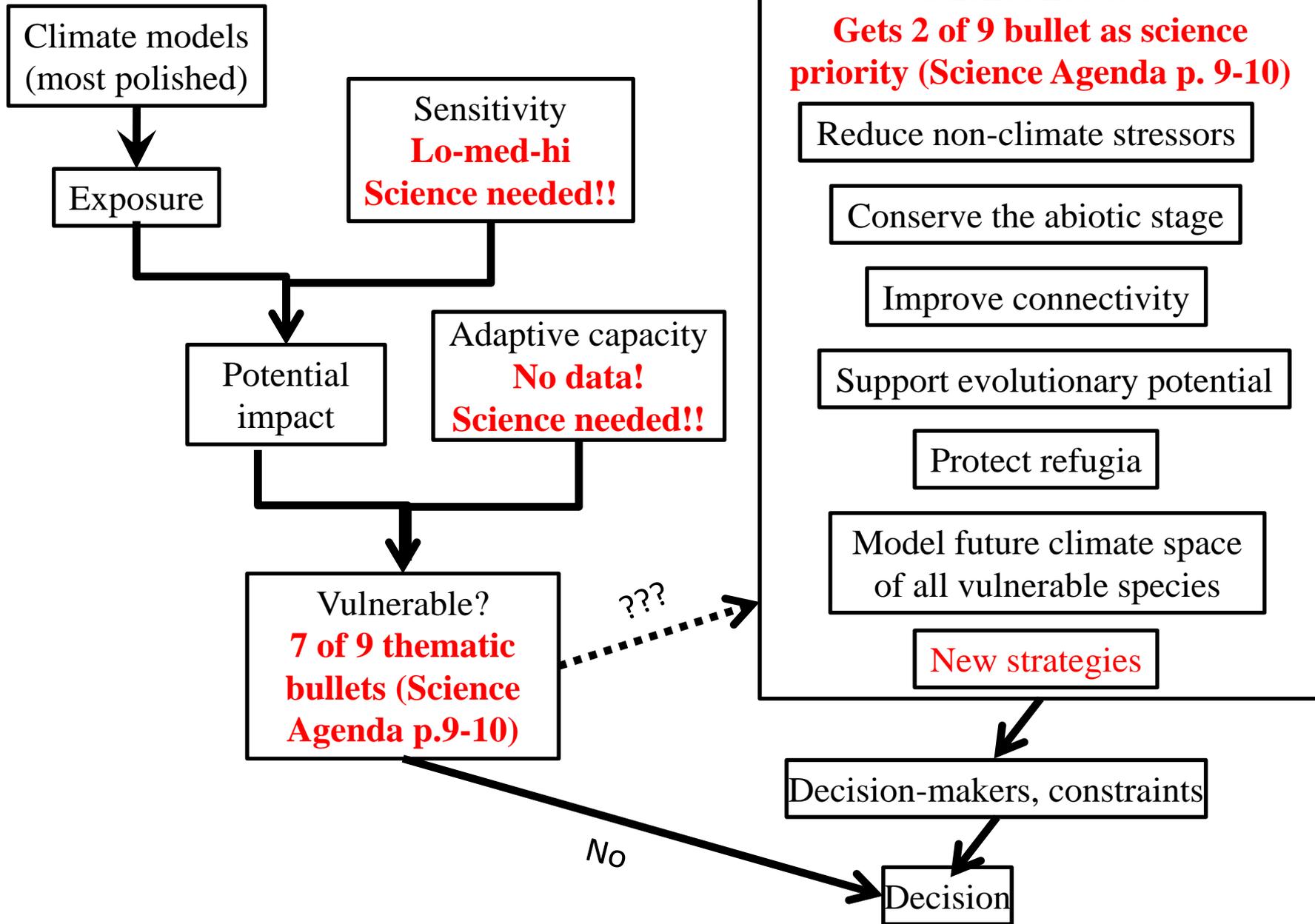
The choice of thematic science priorities for NCCWSC could be informed by having USGS, university partners, and stakeholders consider a model of how science can inform assessment and adaptation decisions.

A model of how science can affect assessment and adaptation strategies



A model of how science can affect assessment and adaptation strategies





This may not be the best model.

USGS and stakeholders can develop a better model of how science can inform assessment and adaptation decisions.

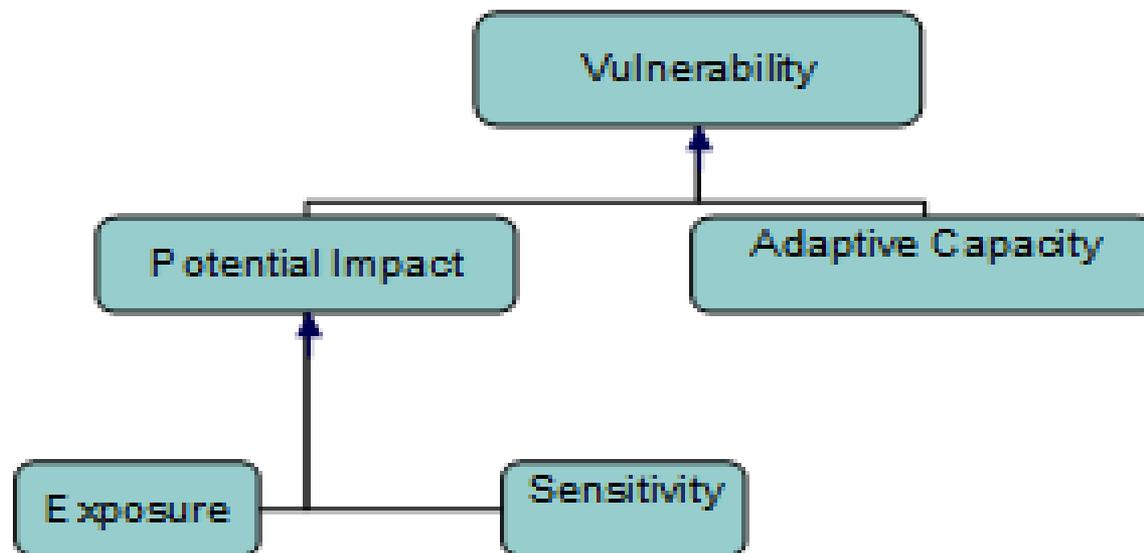
Use that model to help choose thematic science priorities.

John O'Leary

State Wildlife Action Plan Coordinator,
State of Massachusetts and the
Northeast Association of Fish and
Wildlife Agencies

Vulnerability Assessments

Vulnerability and Its Components



Lara Hansen

Founder, Chief Scientist, and
Executive Director, EcoAdapt

Maximizing current NCCWSC priorities

- Leverage what's already out there
 - Create living products

Less is More

Priority Climate science or decision-support need

- Users have a fickle relationship with climate data, and more doesn't help.

Ann Marie Chischilly

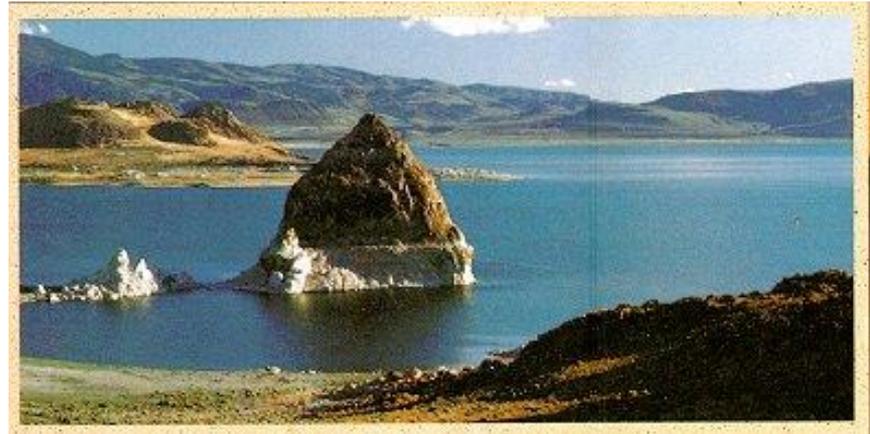
Executive Director, Institute for Tribal
Environmental Professionals (ITEP),
Northern Arizona University

Climate Change & Tribes

Case of the Pyramid Lake

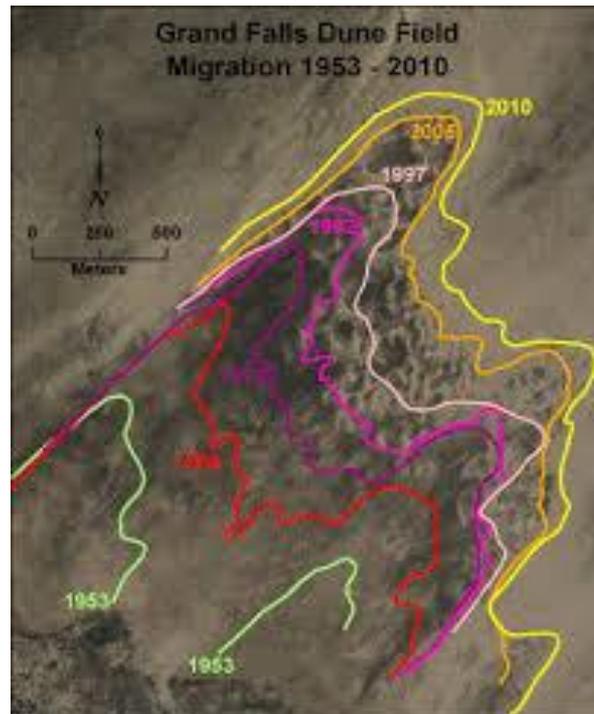
Paiute Tribe, Nevada

Karletta Chief, Ph.D., University of Arizona



Monitoring and Analysis of Sand Dune Movement and Growth on the Navajo Nation

Margaret Hiza Redsteer, Ph.D.,
USGS Western Region Field Center, Flagstaff



Jeff Williams

Manager, Climate Consulting,
Entergy, Inc.

Information Needs for Assessing and Responding to Climate Risk - A User's Perspective

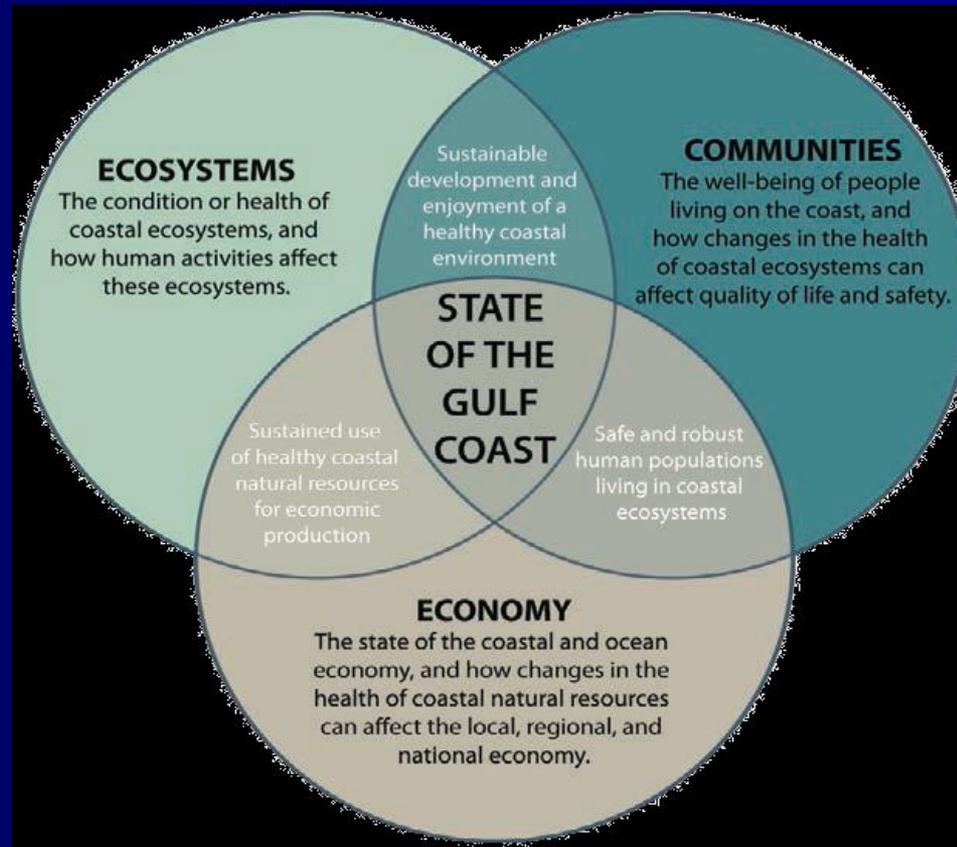
Building a Resilient Coast is Important Even in Today's Climate

ACCCNRS Meeting
Portland, OR
Sep 17, 2014

Jeff Williams
Director, Climate Consulting

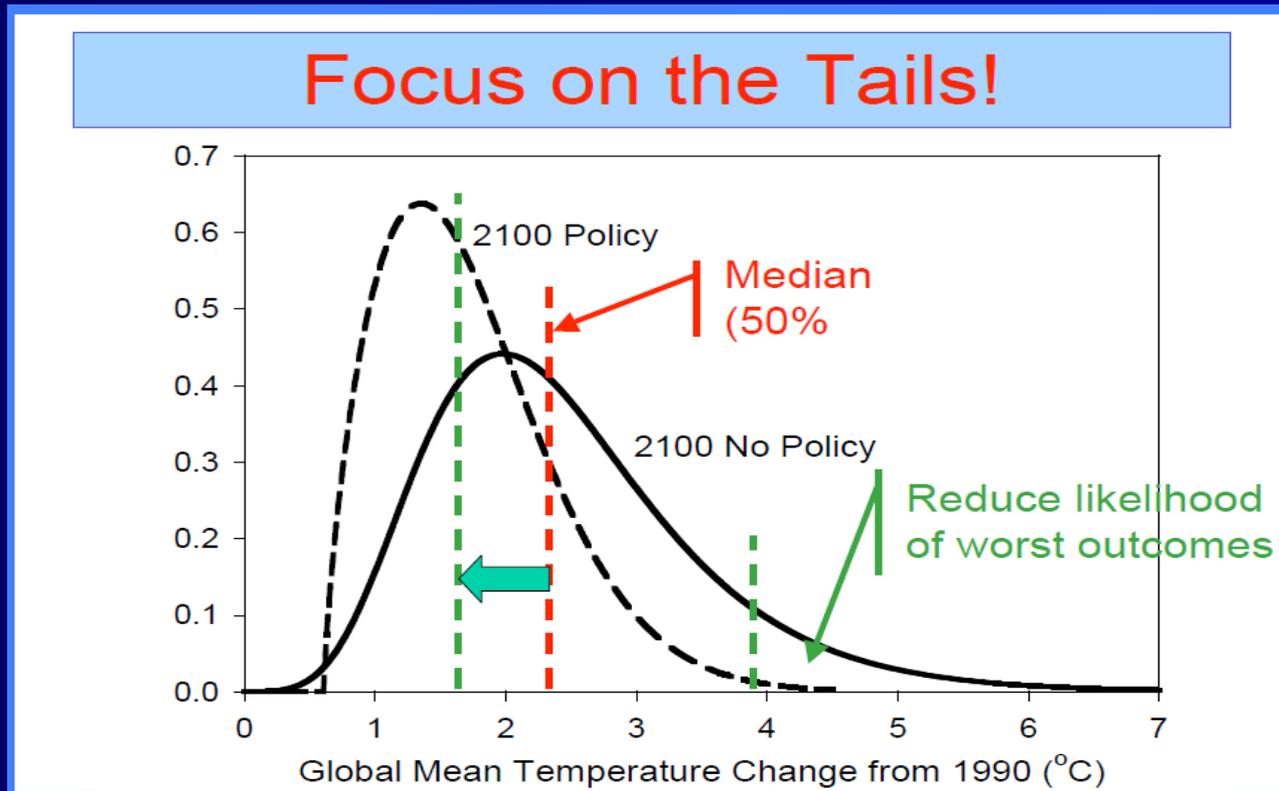


Priorities should be at the intersection of these spheres



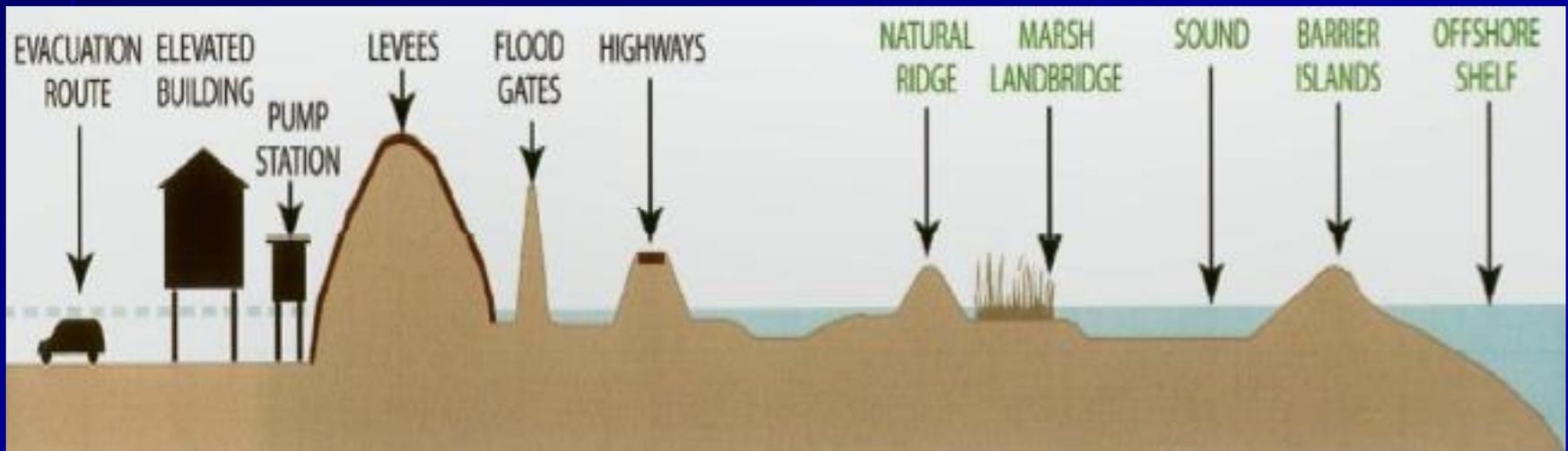
Gulf of Mexico at a Glance, NOAA

Meaningful action takes the worst outcomes off the table



We get to choose between mitigation, adaptation and suffering

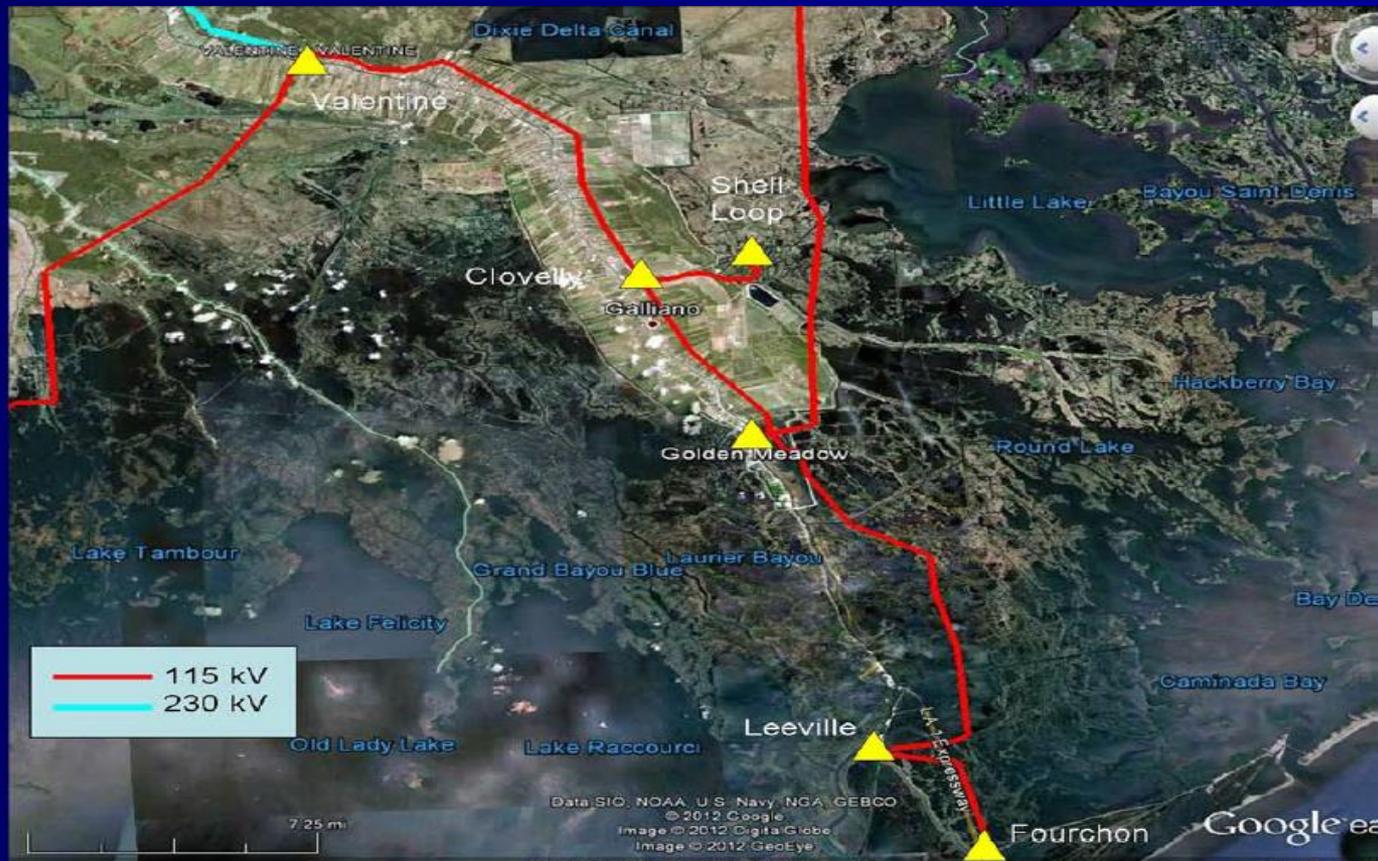
Multiple Lines of Defense: Conservation, Restoration



Recommendations

- Look for opportunities to link work to intersection of eco-systems, community and economy
- Anchor and inform climate change scenarios with actionable science tailored to user's decision needs
- Provide risk management services and solutions
- Facilitate dialogue between diverse stakeholders
- Add impact of climate on coastal resources to priorities
- Help users with valuation of eco-system services

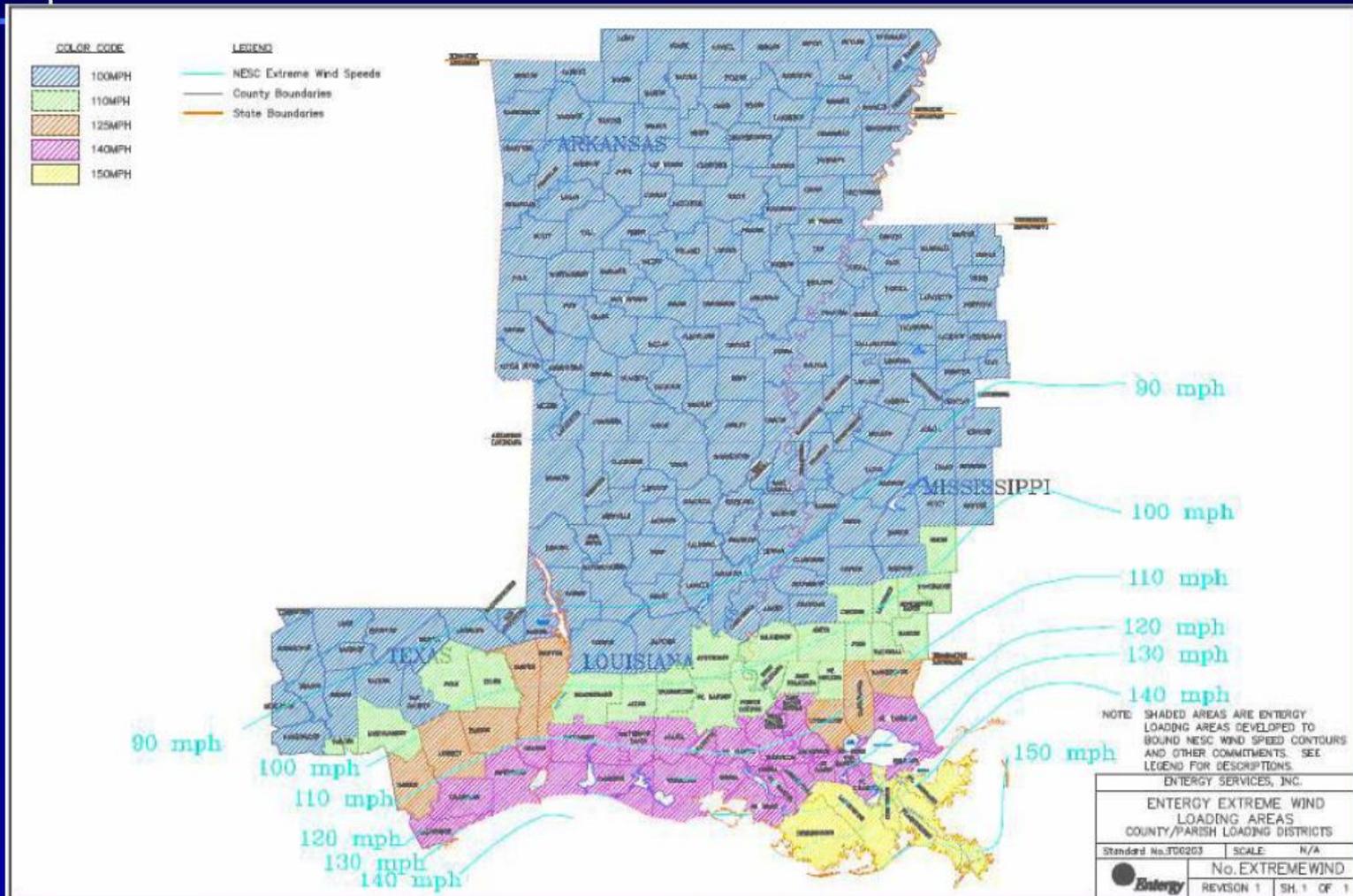
Hardening Transmission & Distribution Lines



Elevating Substation Control Equipment



NESC Wind Loading Vs. Entergy's Wind Loading Areas



Peter Frumhoff

Director of Science and Policy, Union
of Concerned Scientists

Rocky Mountain Forests at Risk

*Confronting Climate-driven Impacts from Insects,
Wildfires, Heat, and Drought*



Union of
Concerned
Scientists

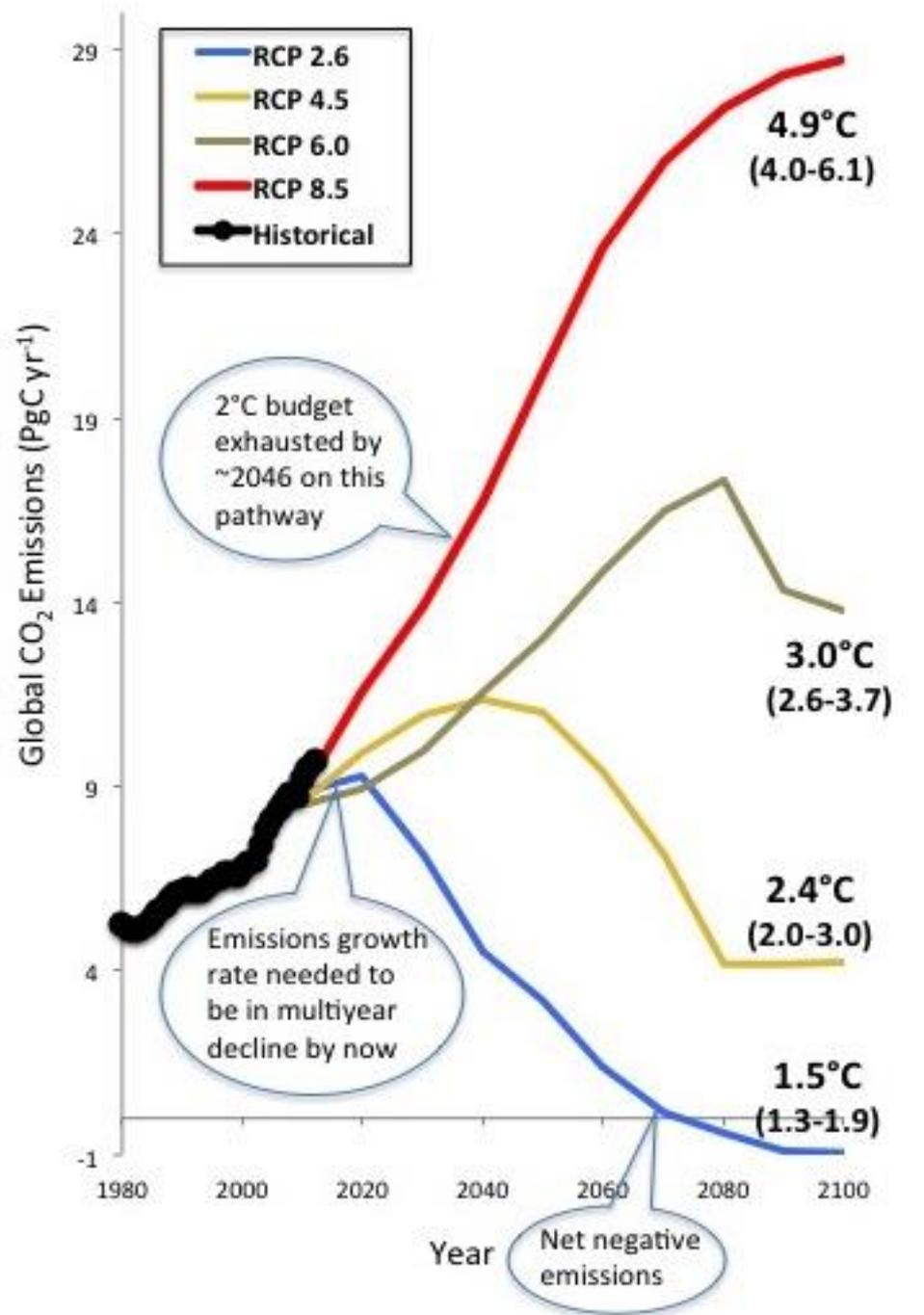
the
ROCKY
MOUNTAIN
CLIMATE
Organization

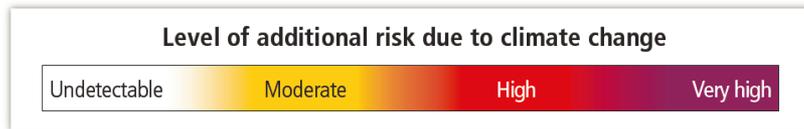
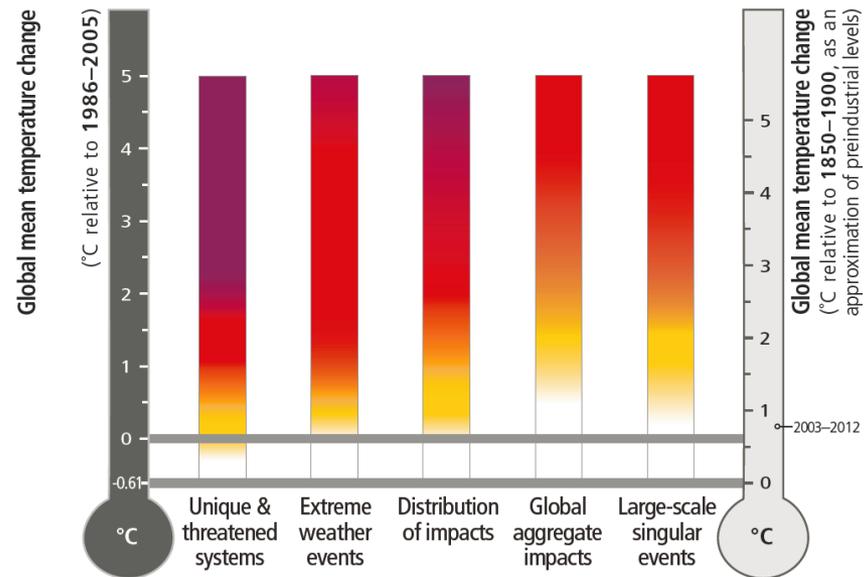
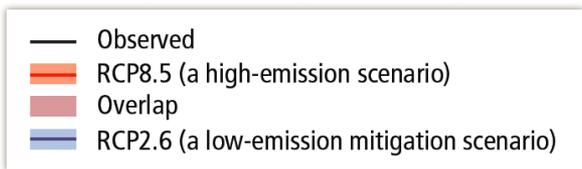
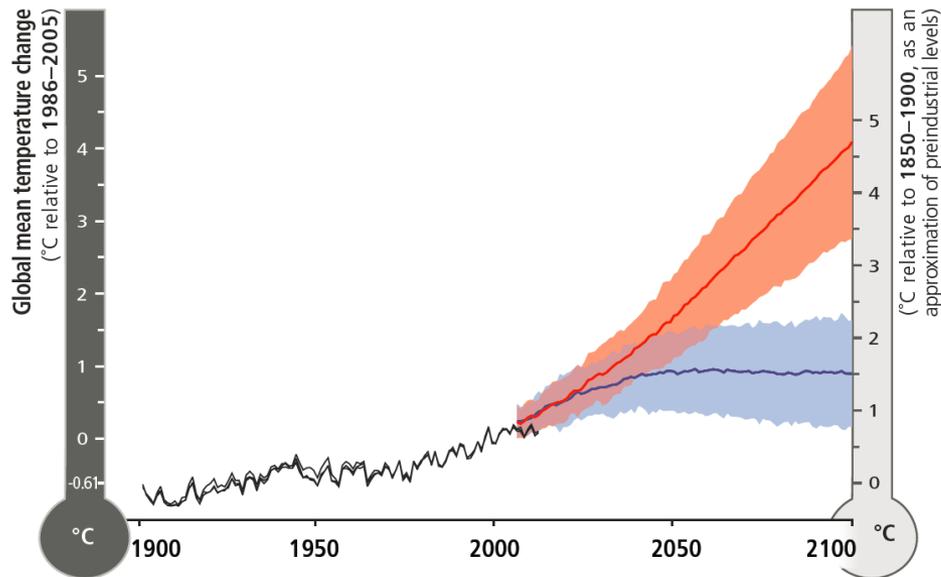
National Landmarks at Risk

*How Rising Seas, Floods, and Wildfires Are Threatening
the United States' Most Cherished Historic Sites*



Union of
Concerned Scientists





Source: IPCC AR5 WG2 2014