

# Advisory Committee on Climate Change and Natural Resource Science

November 9-10, Tucson, AZ

# Advisory Committee on Climate Change and Natural Resource Science

November 9-10, Tucson, AZ

# Welcome and Opening Remarks

- Bruce Stein, National Wildlife Federation; ACCCNRS Co-Chair
- Douglas Beard, National Climate Change and Wildlife Science Center (NCCWSC) Chief

# Objectives

- Brief the committee on the enterprise-level strategic plan process and engage the committee in contributing to the plan. Specifically:
  - Discuss driving factors for allocations for Climate Science Center (CSC) products and activities
  - Discuss the emergent properties of the network as a whole
- Identify immediate communication needs associated with the Presidential transition
- Brief the committee on CSC re-compete process, the Association of Fish and Wildlife Agencies (AFWA) state climate survey, the Southwest CSC's activities, and ethics responsibilities of ACCCNRS members

# November 9 Schedule

- Welcome and Introductions
- CSC Re-compete Update
- AFWA 2016 State Climate Survey Data Overview
- Southwest CSC Overview
- Ethics Training
- Network Strategic Plan Briefing
- **Administration Transition**
- Enterprise Level Outputs
- Public Comment\*
- No Host Dinner

• \*Public comment – please sign up with Kevin Bryan

# November 10 Schedule

- Continuation of Strategic Planning Discussion
- **CSC Products and Activities**
- Moving into Adaptation Research, Design and Evaluation
- Public Comment\*
- Next Steps
- Closing Remarks and Adjourn

- \*Public comment – please sign up with Julie Shapiro

## CSC Re- Compete Update

- Doug Beard will inform members about process and outcomes; discuss external review outcomes, with possible briefing from members who were on external review teams for CSCs

# AFWA 2015 State Climate Survey Data

- Briefing from Davia Palmeri, Climate Change Coordinator, AFWA, followed by Committee discussion on how these results inform network priorities
- (see separate presentation)

Break

## Southwest CSC Overview

- Steve Jackson, Southwest CSC Director
- Jonathan Overpeck, Southwest CSC University Director
- Carolyn Enquist, Southwest CSC Deputy Director
- Katharine Jacobs, Center for Climate Adaptation Science and Solutions Director
- Alison Meadow, CCASS Staff Scientist
- (see separate presentations)

# Ethics Training

- Nancy Baumgartner, U.S. Geological Survey  
Deputy Ethics Counselor

Lunch

- Reconvene at 1:15 p.m.

# Network Strategic Plan Briefing

- Overview of the strategic plan process, including:
  - insights from structured interviews and the Skamania meeting
  - overview of variable viewpoints concerning the CSC and network functions
  - a recap of discussion of actionable science and co-production, and
  - an overview of how the process will lead toward refinement of our mission statement.
- Janet Cushing, NCCSWC Deputy Chief
- Carolyn Enquist, Southwest CSC Deputy Director
- Michael Langston, South Central CSC Deputy Director

# Administration Transition

- Identify immediate communications needs associated with the Presidential transition

Break

# Enterprise Level Outputs

- **What are the emergent properties of the network as a whole?**
  - Brainstorm 2-3 top priorities (1 per sticky note)

## Enterprise- Level Outputs

- Feedback from CSC directors on "things that extend beyond the work, region, or capabilities of one CSC" – things that could not or were not happening but for multi-CSC or national-to-regional work:
  - National syntheses
  - National science, building on regional
  - Regionally-based community of interest
  - Bi-lateral science
  - Emergent potential

# Enterprise Level Outputs

## Examples from CSC directors:

- **National syntheses**
  - NCA3 biodiversity/ecosystem services
  - Impacts of climate on freshwater fish
- **National, building on Regional:**
  - Ecological drought
  - Migratory birds
  - CSC contributions to NCA3 forest and adaptation chapters
  - CSC contributions to NCA3 regional chapters – e.g. Alaska, Pacific

# Enterprise Level Outputs

## Examples from CSC directors:

- **Regionally based community of interest:**
  - Application of downscaled data (AK, SE, NE, SC, others)
  - Early Career Climate Forum
  - Tribal training / capacity building (SC lead)
  - (tribal WGs)
- **Bi-Lateral science**
  - NE/SE and NW/SW work on sea level rise
  - AK/NW work on tribal subsistence resources
  - SC/NE co-funding re: flood plains
  - multi-CSC project on paleo drought: AK, NW, NC and SW CSCs
  - More....
- **EMERGENT**
  - National synthesis-in-waiting practical, on-the-ground adaptation strategies

Review of Day  
One  
Discussion and  
Preparation for  
Day Two

- Key themes/take-aways

# November 10 Schedule

Coffee at 8 a.m.; meeting begins at 8:30 a.m.

- Continuation of Strategic Planning Discussion
- CSC Products and Activities
- Moving into Adaptation Research, Design and Evaluation
- Public Comment\*
- Next Steps
- Closing Remarks and Adjourn

• \*Public comment – please sign up with Julie Shapiro

# No Host Dinner

- Pasco Kitchen & Lounge, located at 820 East University Boulevard, Tucson, AZ 85719

# Advisory Committee on Climate Change and Natural Resource Science

November 9-10, Tucson, AZ

# November 10 Schedule

- 8:30 AM Continuation of Strategic Planning Discussion
  - Day 1 Recap (20 min)
  - CSC Products and Activities (20 min)
  - Moving into Adaptation Research, Design and Evaluation (50 min)
- 10:00 AM Public Comment\*
- 10:05 AM Next Steps/Priority Activities for ACCCNRS
- 10:45 AM Closing Remarks and Adjourn

# Continuation of Strategic Planning Discussion

- Recap of Day 1 and continued discussion of CSC products and activities and enterprise level outputs

# Day 1 Recap

- **Emergent Properties of the Network as a whole**
  - Innovation diffusion
  - Coordination and efficiency
  - Communicating value proposition to broader audiences
  - Actionable science and Co-production
  - Adaptation strategies
  - Priority science, cross-regional issues (specific examples of river systems, etc.)
  - Similarities and differences at different scales
  - Core products and services

# Day 1 Recap

- Emergent Properties of the Network as a whole... mapped against Core Products and Services
  - CAPACITY BUILDING → Innovation diffusion
  - PARTNERSHIPS → Coordination and efficiency
  - COMMUNICATIONS → Communicating value proposition to broader audiences
  - ACTIONABLE SCIENCE →
    - Actionable science and co-production
    - Adaptation strategies
    - Priority science, cross-regional issues
      - Similarities and differences at different scales
    - From CSC directors:
      - National syntheses
      - National science, building on regional
      - Regionally-based community of interest
      - Bi-lateral science
      - Emergent potential

Input to strategic plan on enterprise level outputs?

# PRIORITY SCIENCE

- Prior:
  - April 2016 ACCCNRS Brainstorming
  - Strategic planning 'laundry list'
- Future:
  - Strategic planning group distillation of science priorities
  - ACCCNRS feedback (set specific timeline\*)

# CSC Products and Activities

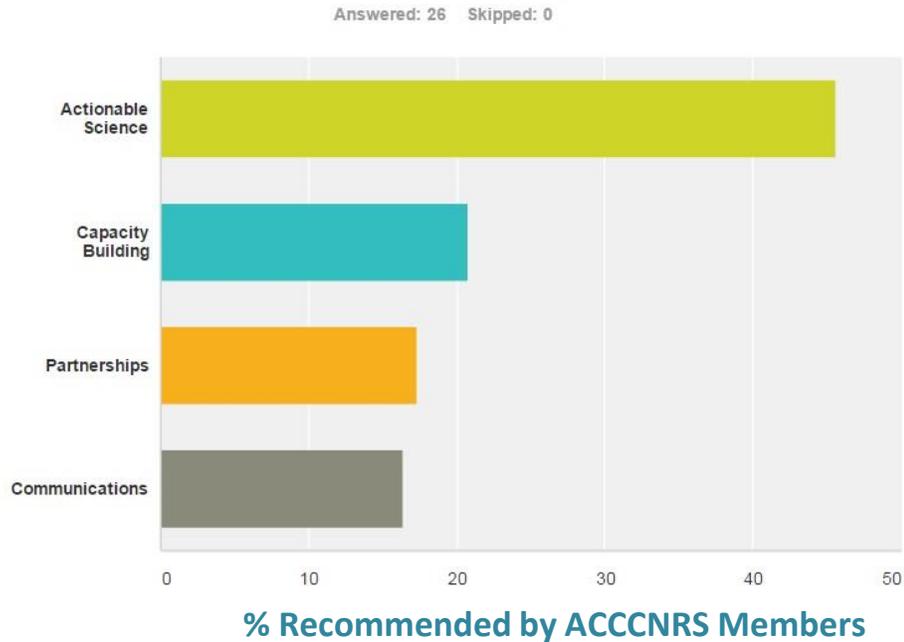
- **What are the driving factors for allocations for CSC products and activities?**
  - Committee discussion on driving factors and considerations for what is prioritized and how.

# CSC Products and Activities

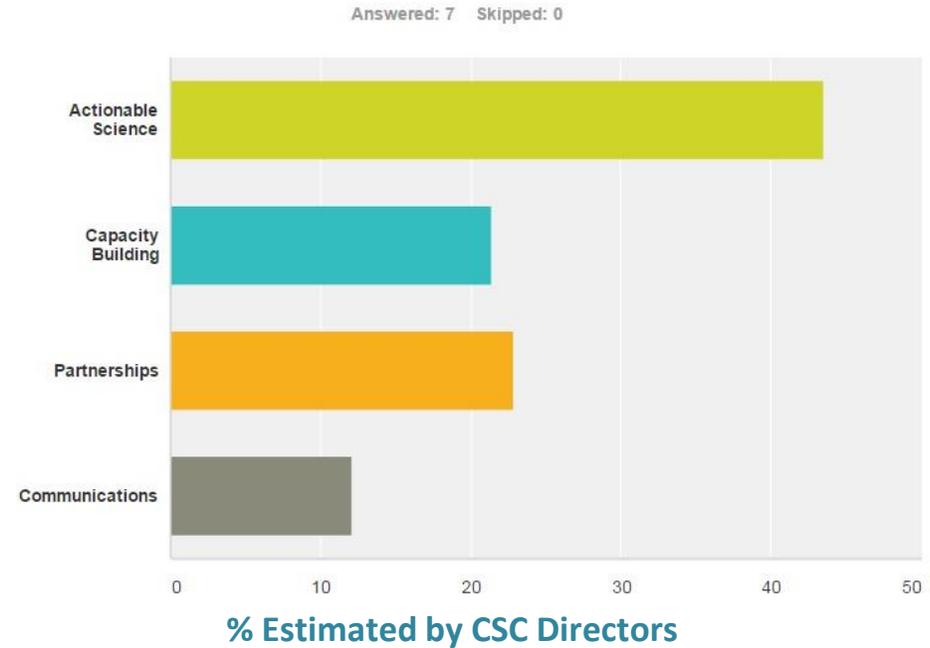
- Results from pre-meeting allocation survey

# Allocation of 100% of CSC Resources (dollars, staff and time, visibility, etc.)

## Recommended Target Allocation

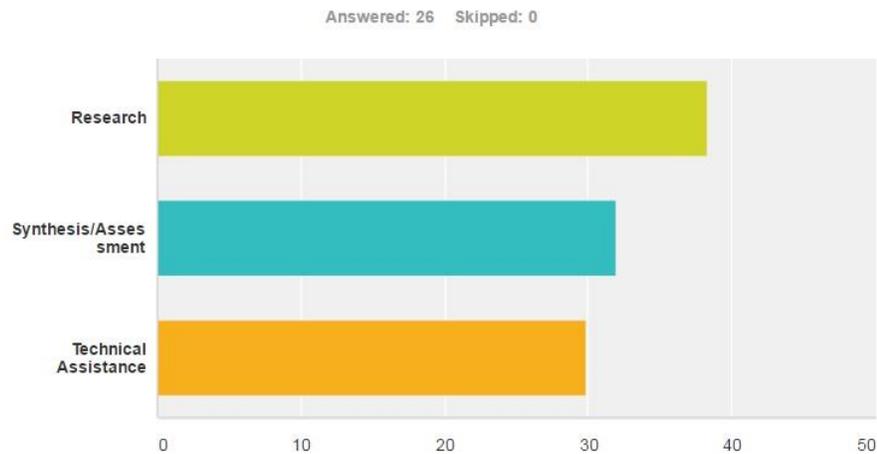


## Estimated Current Allocation



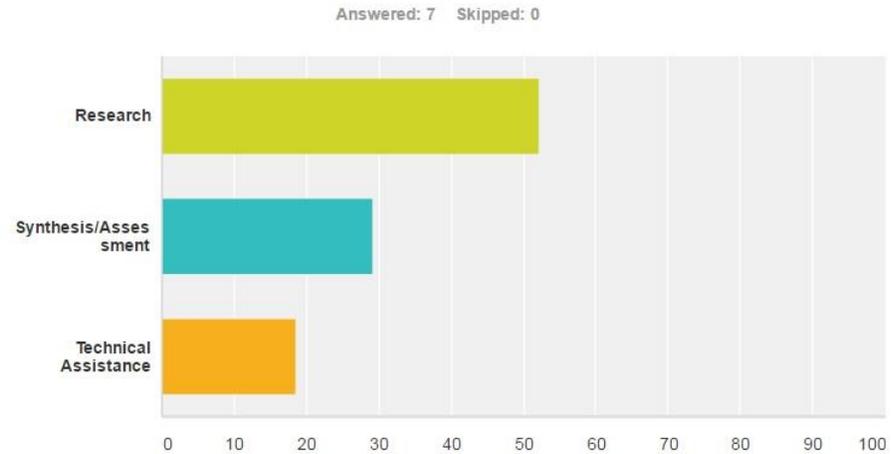
# Allocation of 100% of CSC Resources (dollars, staff and time, visibility, etc.) for **ACTIONABLE SCIENCE**

## Recommended Target Allocation



% Recommended by ACCNRS Members

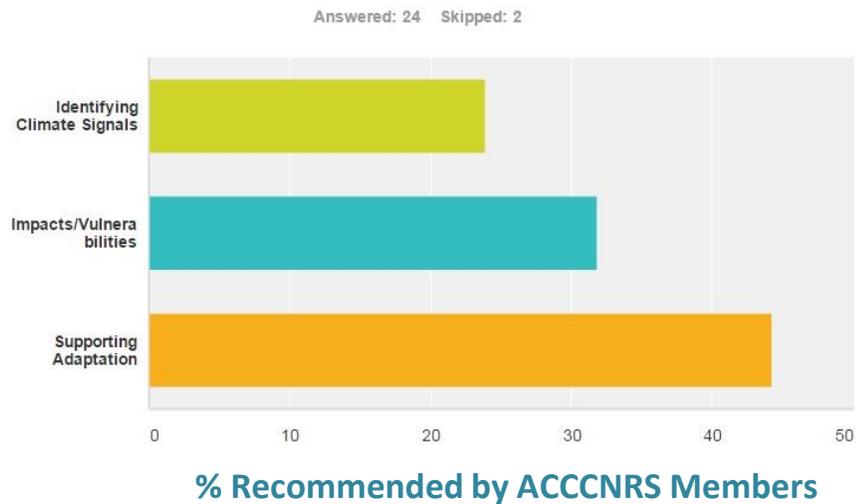
## Estimated Current Allocation



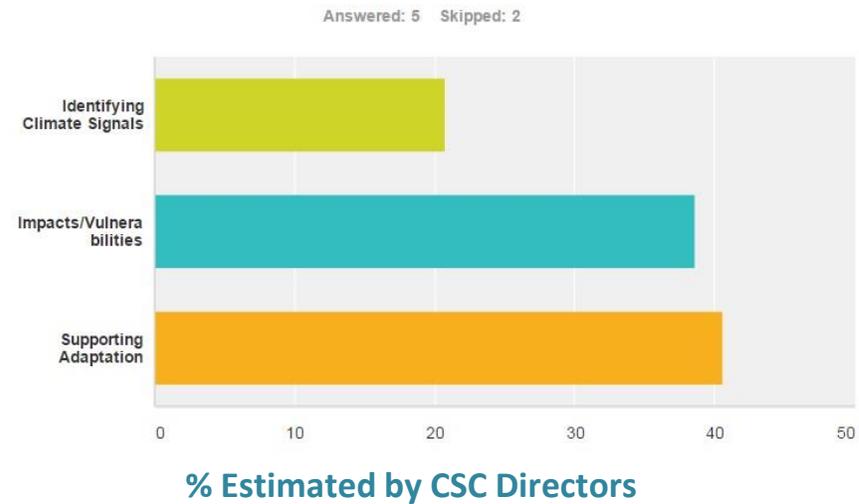
% Estimated by CSC Directors

# Allocation of 100% of CSC Resources (dollars, staff and time, visibility, etc.) for **ACTIONABLE SCIENCE** within 3-5 years for the **LOWER 48 STATES**

Recommended Target Allocation

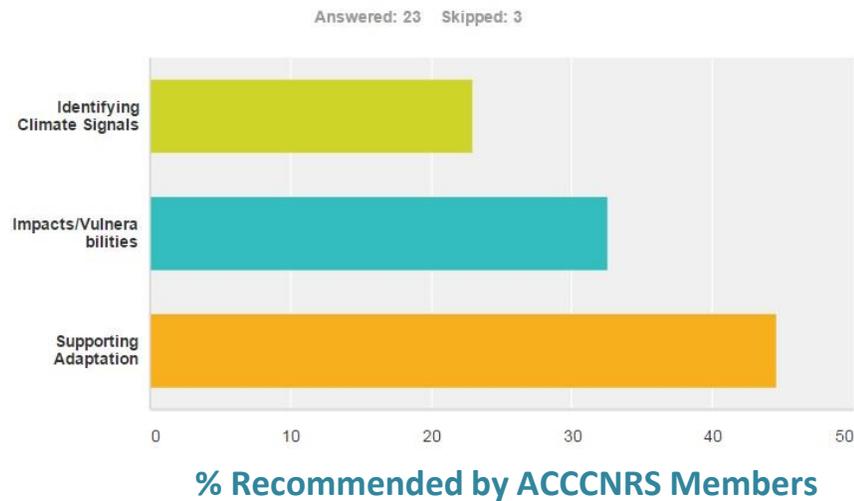


Estimated Current Allocation



# Allocation of 100% of CSC Resources (dollars, staff and time, visibility, etc.) for **ACTIONABLE SCIENCE** within 3-5 years for **ALASKA & HAWAII**

Recommended Target Allocation

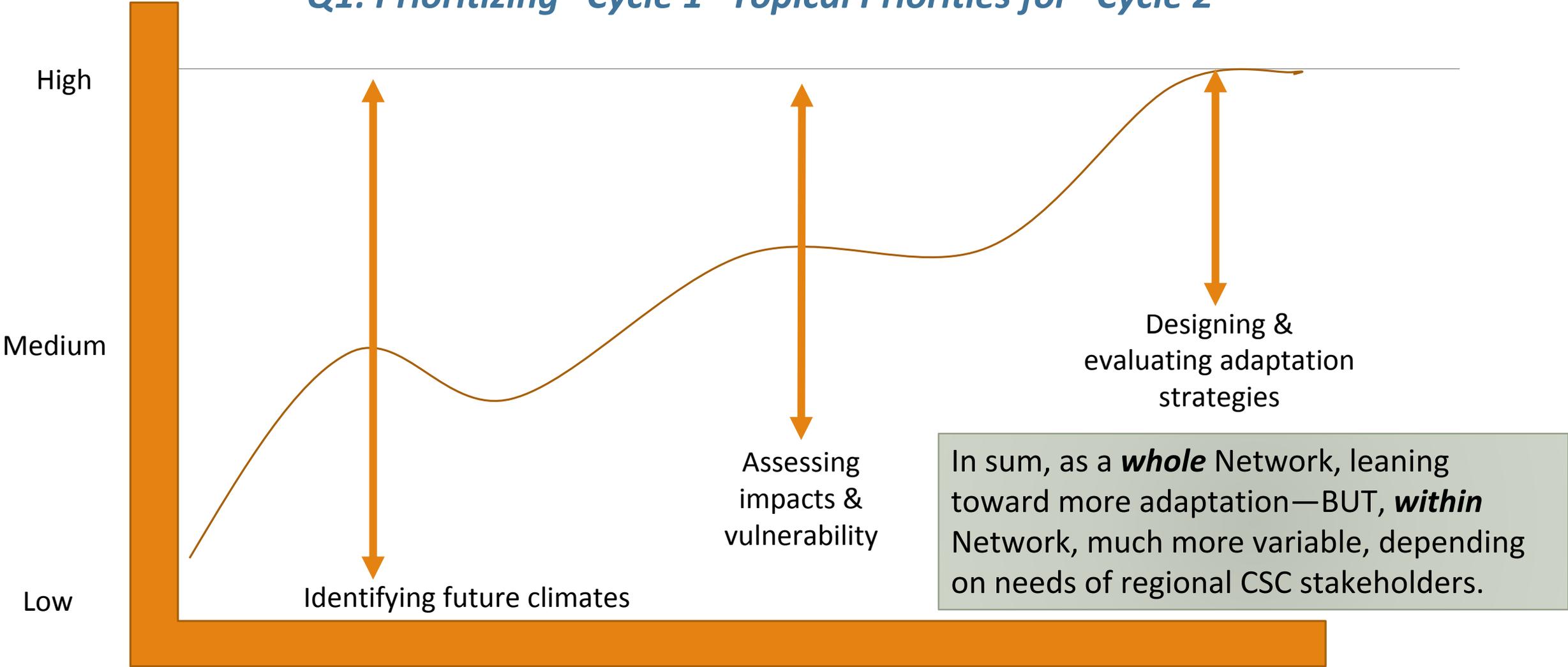


Estimated Current Allocation



# Theme 4: Actionable Science

## Q1: Prioritizing “Cycle 1” Topical Priorities for “Cycle 2”



# CSC Products and Activities

- **What are the driving factors for allocations for CSC products and activities?**
  - Committee discussion on driving factors and considerations for what is prioritized and how.

# Moving into Adaptation Research, Design and Evaluation

- How should the network develop and implement its **support for adaptation decision making** to be as useful as possible, but not stray into decision making and implementation?
  - *Examples of what has worked/what hasn't?*
  - *Principles?*

Public  
Comment

## Next Steps

- Committee members will clarify tasks going forward, review next steps, and identify timing and objectives for the next ACCCNRS meeting

# ACCCNRS Priority Next Steps (proposed/draft)

- Recommendations to incoming DOI Secretary (draft by Feb 15, 2017; completion TBD based on appointment schedule)
  - 1 page
  - Emphasize it is not just about USGS- it's about the DOI agencies and others more broadly
  - Briefing letter on need and value proposition of climate science programs to support fish and wildlife, forests, water quality, ecosystem services, extreme event resilience, recreation, industry, etc. in an era of global change; tie to social/economic values and use language relevant to incoming administration; refer to context of other networks
  - Responsibility to stakeholders and federal obligations to tribes
- One or two members to draft; committee to review, discuss and approve remotely (Bruce; reach out to Lynn Scarlett)
- Other communications objectives to be handled by USGS staff (websites, differentiation among 'sister' networks, etc.)
- Outreach dimensions – not just the letter – role of individual members of ACCCNRS to amplify the message, in person meeting

# ACCCNRS Priority Next Steps (proposed/draft)

- Input into strategic plan (complete by June 1, 2017) – informal guidance to USGS
  - Feedback (via November summary) on emergent properties, adaptation strategies
  - Feedback (via conference call and/or at next meeting?) on draft science priorities under development
    - Subcommittee then full committee
  - Feedback (via conference call and/or at next meeting?) on core services and benchmarks/metrics
    - Subcommittee then full committee
  - Linking AFWA survey feedback to strategic plan
- Current subcommittee (combined from last meeting – core products and strategic plan): Berrien Moore, Aimee Delach, Kimberly Hall, Lara Hansen, Jeff Peterson, Stephen Zylstra, Paul Beier, Paul Wagner
  - Additions: Peter Frumhoff
- **FULL ACCCNRS conference call to review the draft letter to Secretary (once appointment is announced). Formal vote will be required.**
- **NEXT meeting: Spring 2017 – May, before National Adaptation Forum in Minneapolis (May 9-11) –Have the meeting May 8 and maybe morning of the 9<sup>th</sup>...**

## Closing Remarks

- Bruce Stein, National Wildlife Federation;  
ACCCNRS Co-Chair
- Janet Cushing, NCCWSC Deputy Chief