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# Fourth National Climate Assessment

## *Tribal and Indigenous Communities (Working Title)*

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Presented by: Shannon McNeeley

Rising Voices 5

Boulder, CO

From: Rachael Novak (BIA) and Lesley Jantarasami (EPA), Federal  
Coordinating Lead Authors

4/13/2017



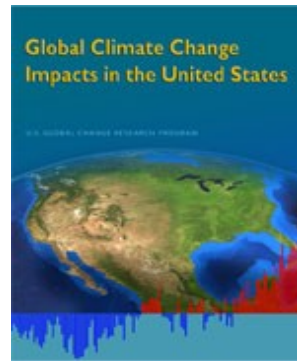
U.S. Global Change  
Research Program

# U.S. Global Change Research Program

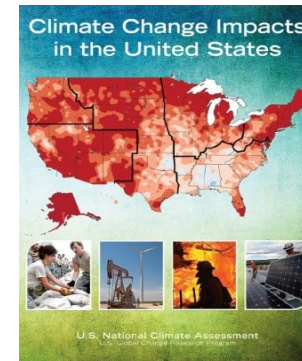
- USGCRP began as a Presidential Initiative in 1989
- Mandated by Congress in the Global Change Research Act of 1990 (P.L. 101-606), “to assist the Nation and the world to **understand, assess, predict, and respond** to human-induced and natural processes of global change”



NCA1



NCA2



NCA3



# National Climate Assessment/ USGCRP Products prior to NCA4 (indigenous peoples related)

## NATIVE PEOPLES-NATIVE HOMELANDS CLIMATE CHANGE WORKSHOP

- Final Report -  
Nancy G. Maynard, Editor

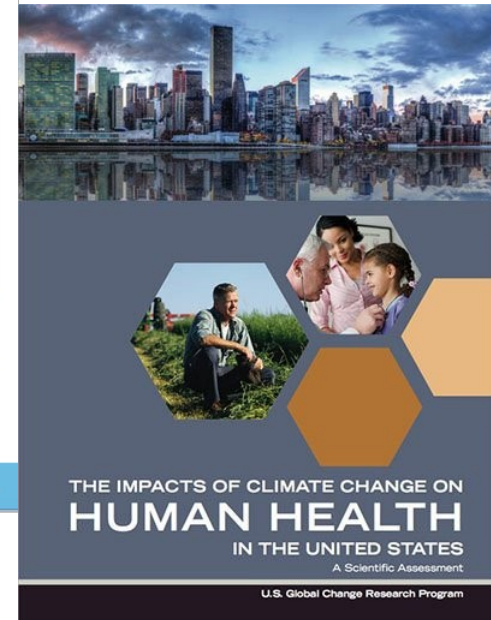
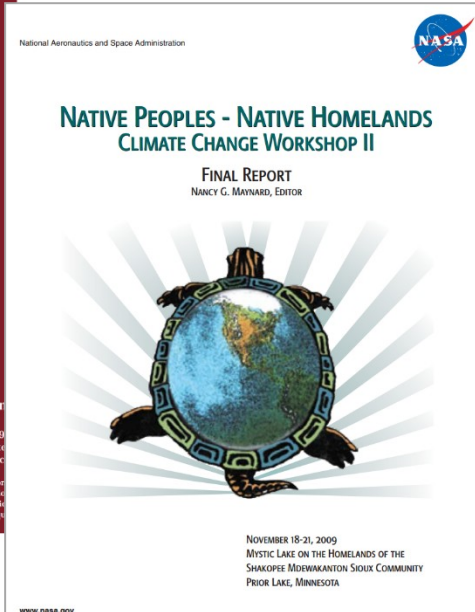
### CIRCLES OF WISDOM



U.S. Global Change Research Program

OCTOBER 28 - NOVEMBER 1, 1999  
Albuquerque Convention Center  
Albuquerque, New Mexico

Sponsor:  
The National Aeronautics and Space Administration  
American Indian Chamber of Commerce of New Mexico  
City of Albuquerque



To download PDFs of these documents, please go to:

- <https://downloads.globalchange.gov/nca/nca1/native.pdf>
- <http://neptune.gsfc.nasa.gov/csb/index.php?section=278>
- [nca2014.globalchange.gov](http://nca2014.globalchange.gov)
- [health2016.globalchange.gov](http://health2016.globalchange.gov)



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# Outreach Opportunities

- Public Request for Information, summer 2016
- Mini-grants for community meetings, fall 2016
- Regional Engagement Workshops, winter 2017 (travel support, 28 scholarships)
- Meeting outreach (Rising Voices 2016, AIHEC March 2016, NAFWS, and many others, SKC, CMN)
- Input from non-peer reviewed sources will be considered through using a set of guidelines



# NCA4 Chapters

## I: Overview

## II: Our Changing Climate

## III: National Overviews

- Water
- Energy
- Land Cover and Land Use Change
- Forests
- Ecosystems, Ecosystem Services, and Biodiversity
- Coastal Effects
- Oceans and Marine Resources
- Agriculture and Rural Communities
- Built Environment, Urban Systems, and Cities
- Transportation
- Air Quality **NEW!**
- Human Health
- **Tribal and Indigenous Communities**
- Climate Effects on U.S. International Interests **NEW!**
- Sectoral Interdependencies & Compounding Stressors: The Science of Complex Systems **NEW!**

## IV: Regional Chapters

- Northeast
- Southeast
- US Caribbean **NEW!**
- Midwest
- Northern Great Plains
- Southern Great Plains
- Northwest
- Southwest
- Alaska
- Hawai`i and Pacific Islands

**EXPANDED!**

## V: Response

- Near-term Adaptation Needs and Increased Resiliency
- Mitigation: Avoiding and Reducing Long-term Risks



# Draft Outline for Indigenous Chapter

- Note: Limited to ~6 pages, so cannot cover every relevant topic or go as in depth as regional chapters. This chapter will be a high level summary and synthesis of key topics new since NCA3.
- State of the Sector
  - Build upon NCA3, use Climate Science Special Report as scientific foundation
  - Stressors and trends
  - What's new since NCA3 and the Climate and Health Assessment
- Regional Roll-ups (coordinating w/Regional Chapter Teams)
  - Anticipated Roll-up Topics:
    - Climate, culture, health
    - Water Resources
    - Economy and Livelihoods
    - Built Environment
    - Disaster Management
    - Relocation (or Expand!)



# Draft Focal Areas / Key Messages

- **Key Message #1: Tribal Livelihoods & Economies are at Risk**

e.g., subsistence, commercial, and household economies affected;  
infrastructure vulnerability

- **KM #2: Tribal Culture, Health & Well-Being are at Risk**

e.g., contamination (infectious disease), nutrition, access to traditional foods and medicine, mental health and social determinants, impact of relocation on culture and health

- **KM #3: There are challenges and opportunities along the path to sustainable, culturally appropriate tribal adaptation**

e.g., low adaptive capacity for many tribal/indigenous communities

e.g., long history as observers and monitors of the land and weather can inform adaptation strategies, social cohesion, etc.



# Take-home Messages

- Tribal issues will be integrated throughout NCA4
- Observations, projections, impacts, and adaptation will be included in NCA4
- Ways to engage with the Sustained NCA Process:
  - Session at the National Adaptation Forum (May 2017)
  - Fall 2017 (planned): NCA4 Public Review and Comment Period
    - [globalchange.gov/notices](https://globalchange.gov/notices)
    - Will happen concurrently with a National Academies peer review
  - Calls for public input in future processes
    - Develop and/or provide input, studies, reports **and other suggestions** [?]
  - Sign up for NCA emails and tribal climate networks
    - [globalchange.gov/newsletter-signup](https://globalchange.gov/newsletter-signup)
  - Assist tribal climate efforts at the local scale → future case studies





# Climate Science Center Tribal Liaisons

