Climate Adaptation and Resilience in the United States

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Adaptation in the Great Lakes
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Overview

- Mitigation vs. Adaptation
- Resilience and Action
- American Society of Adaptation Professionals
Climate Mitigation vs. Adaptation

• Two aspects of climate action
  1. Mitigation - Reducing Greenhouse Gas Emissions
  2. Adaptation – Preparing for Climate Impacts

• No longer “either/or” – “and”
Mitigation means the difference between...

**Emissions Scenarios**

- Historical
- RCP 2.6
- RCP 4.5
- RCP 6.0
- RCP 8.5

**Days over 95 degrees/yr**

From Knutti and Sedlacek, 2012

Kunkel (2011)
Adaptation means the difference between...

Houston 2001 Tropical Storm Alison

Houston – Green Storm water improvements along Buffalo Bayou
Climate Mitigation vs. Adaptation

- 36 states completed plans
- 1,000+ GHG inventories
- 500+ local action plans

- 15 states completed plans
- Regional collaboration
- 59% of 298 U.S. cities surveyed taking some action

http://www.c2es.org
Regional Adaptation
Scale of Action

Regional Collaborations and Learning Networks

Typical City or County Climate Action Plan

Leadership by Example Model – Internal Only

Single Agency Planning & Strategy Development

Region

Community

Municipal Enterprise

Agency
Federal Action on Adaptation

• National Climate Assessment

  • 250+ Authors
  • 800+ Pages
  • 30 Chapters
  • 1 cool website
  • Focus on impacts & adaptation

http://nca2014.globalchange.gov/
Federal Action on Adaptation

• Focus on stronger more resilient communities

• *State, Local and Tribal Leaders Task Force on Climate Preparedness and Resilience*

• 26 Leaders
  - 8 Governors
  - 16 Local Officials
  - 2 Tribal Officials
Federal Action on Adaptation

- Federal agencies are developing internal adaptation plans.
- Interagency working groups on Adaptation
- $1Billion “Climate Resilience Fund” (in budget)
- $1Billion for Community Disaster Response competition – Recovery to Resilience
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We're Putting Climate Adaptation on the Map. ASAP.

We Are the American Society of Adaptation Professionals

My ASAP

Memberships

Join hundreds of adaptation professionals across the country from local government employees and natural resource managers to academics and environmental consultants who are helping their communities and organizations prepare for the impacts of climate change.

Become a Member of ASAP ➤

View members by:  NEUEST  ACTIVE

Razilee Veda...
Brooklyn, NY

Dave Erickson
Denver, CO

Nikhil Advani
Washington, DC

Galen Treuer
Miami, FL
American Society of Adaptation Professionals

• **Connecting** and **supporting the people who are building climate resilience.**
  – Build on Promising Practices
  – Share Information
  – Network & Connect
American Society of Adaptation Professionals

- ASAP
  - ~ 450+ Members Nationally
    - 35% Government (Local, State, Federal, Tribal)
    - 30% Non-Profit
    - 20% Academic
    - 15% Private Sector
Interest Topics

Collaborate on cutting-edge research and develop valuable products through topic-focused affinity groups. Led by ASAP members, these affinity groups produce specific products or develop guidance that can be shared throughout the ASAP membership.

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Information and content on ASAP is integrated and curated specifically for adaptation professionals. We categorize information based on geographic location and interest topics among the ASAP membership in order to support the engagement of members with the latest in climate and adaptation news.

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Featured Member: Terry Cruz

“I provide consulting services focused on climate change adaptation information partnerships and leveraging existing best practices and expertise in the U.S. to help states and localities plan for climate change Impacts.”

7 new members match your interests.

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More Hot Days, Larger Piles of Debris: Greenhouse Gas Impacts Evident On Coastal Louisiana

More hot days, larger piles of debris from hurricane storm surge and the increased vulnerability of communities and industry along the...
News happening near you.

More Hot Days, Larger Piles of Debris: Greenhouse Gas Impacts Evident On Coastal Louisiana

More hot days, larger piles of debris from hurricane storm surge and the increased vulnerability of communities and industry along the Gulf Coast as sea level continues to rise are just a few of the effects happening now in Louisiana due to climate change... [read more]

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Some news text that introduces the news article that is relevant to your location. This article is also relevant to your interests. Another line could be added for full width layouts. More news description should go here before hitting a cutoff... [read more]

From CAKEX

Featured Article

Post Title for a Featured Article with Image Matching 0 Interests & 0 Location

Some news text that introduces the news article that is relevant to your location. This article is also relevant to your interests. More news description should go here before hitting a cutoff... [read more]

From INSTITUTE FOR SUSTAINABLE COMMUNITIES
Thank You!

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