



United States
Department of
Agriculture

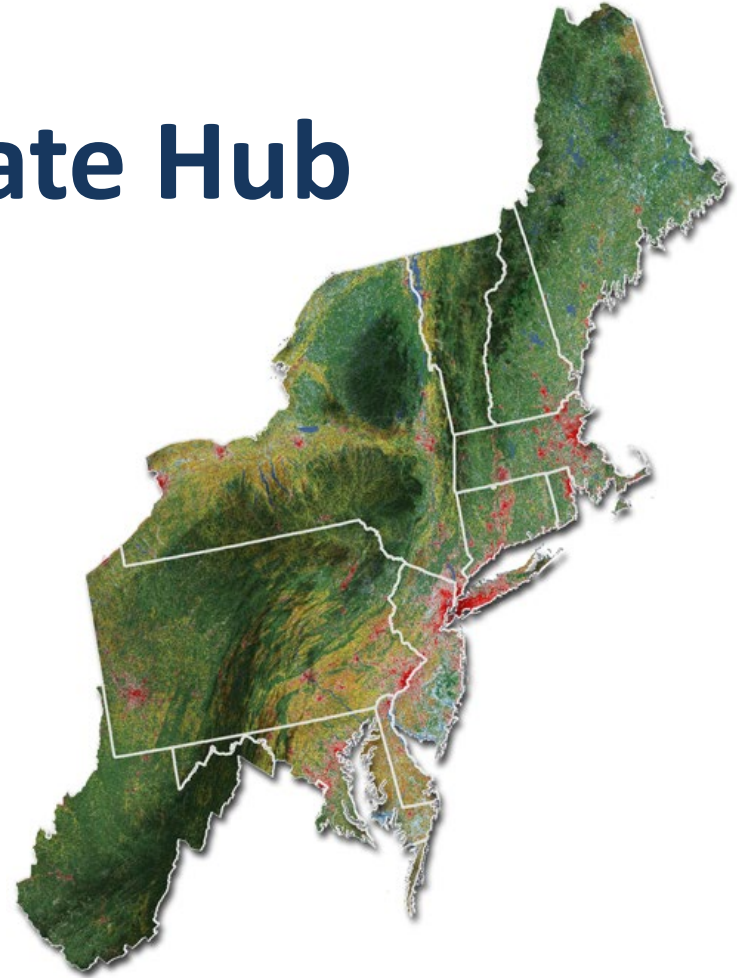
Northeast Climate Hub



USDA Northeast Climate Hub

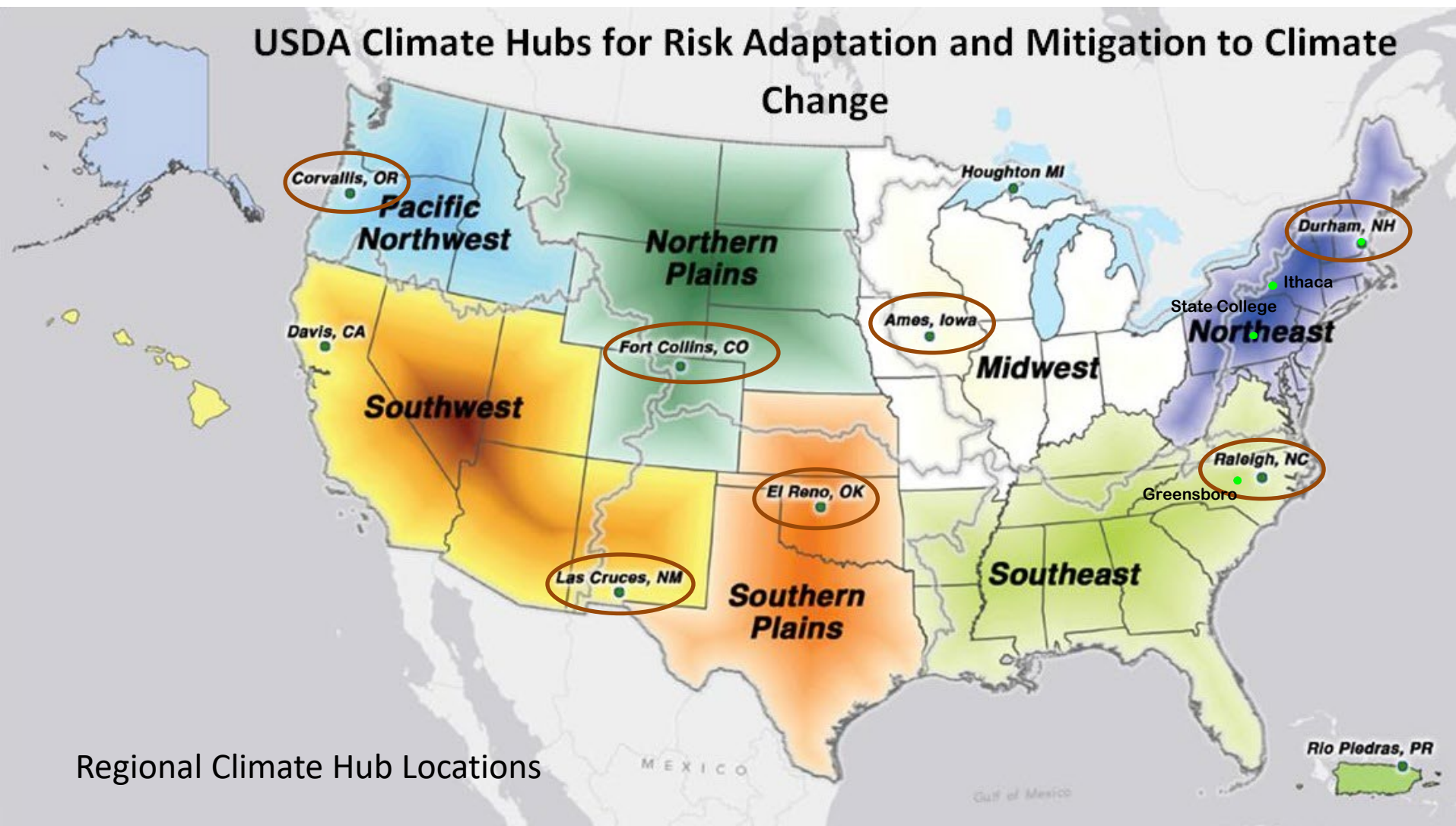
**Erin Lane, David Hollinger,
Howard Skinner, Katrina Krause,
Marjorie Kaplan**

The Hub is a USDA partnership with
Land Grant Universities, Tribes,
NGO's & other Federal agencies



USDA Climate Hub Regions

USDA Climate Hubs for Risk Adaptation and Mitigation to Climate Change



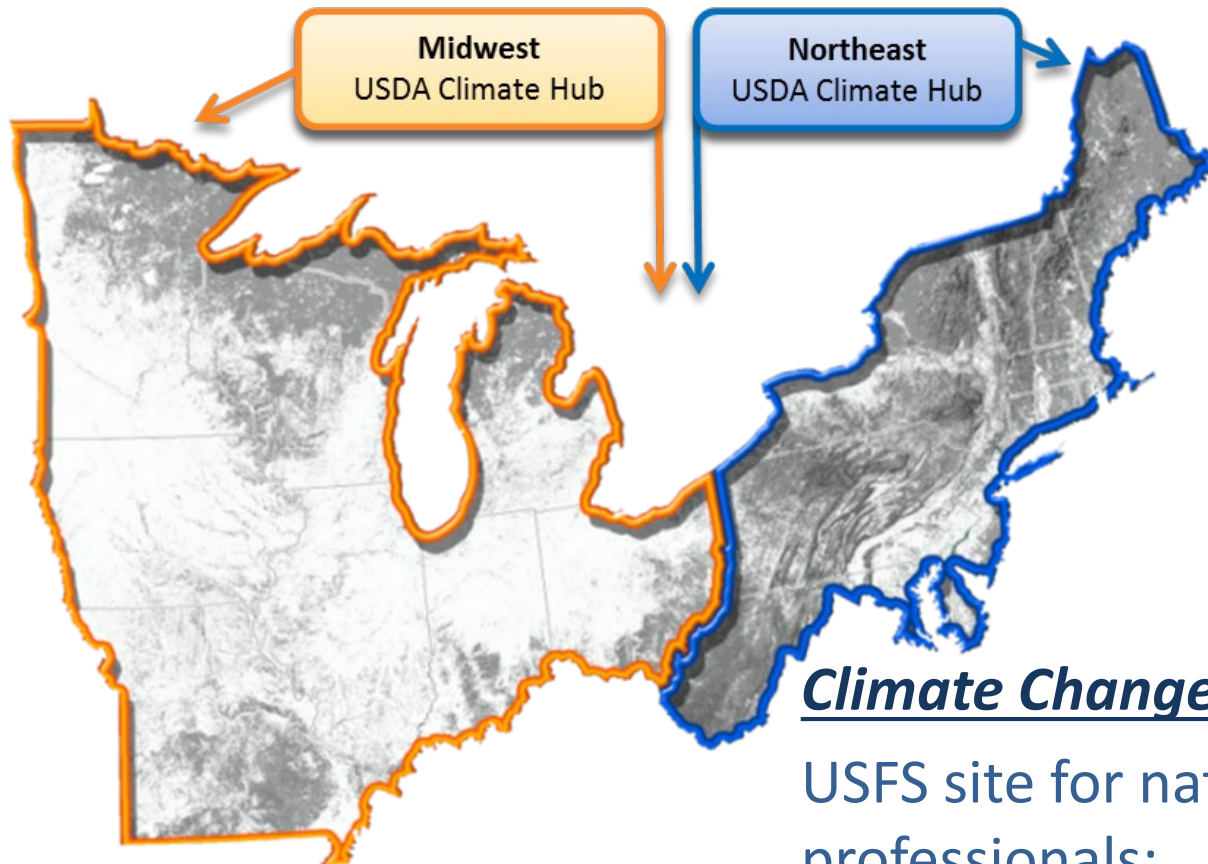
Mission: To develop and deliver science-based, region-specific information and technologies to agricultural and natural resource managers that enable climate-smart decision-making and provide assistance to enable land managers to implement those decisions.

Not Science but *Technology Transfer*

- Providing **Information, Tools, & Practices** to farmers and forest owners to assist them in achieving their goals, whatever the climate
- Hub Focus is on *what's happening now*.

Northern Forests Sub Hub

...provides additional capacity and expertise on forests to the Midwest and Northeast Hubs.



Climate Change Resource Center:

USFS site for natural resource professionals:

www.fs.usda.gov/ccrc/

Mission of the USDA Hubs vs other Federal Agencies

- USDA Climate Hubs
 - *Extension and Outreach* to farmers & forest landowners
- DOI Climate Science Centers and Landscape Conservation Cooperatives
 - Climate Science, wildlife & habitat
 - Conservation
- NOAA Regional Climate Centers
 - Climate Data

Northeast Climate Hub - Year 1

USDA Priorities - Year 1

- Develop Partnerships –DOI, NOAA, Land Grants
- Assess regional vulnerabilities
- Establish web presence
- Write workplan

NE Advisory
Group

USDA all Hub
Coordination

Federal Partners
(NOAA, DOI, etc.)

Other USDA
(NIFA, FSA, RMA)

USDA NE
Hub
Coordinating
Group (FS,
ARS, NRCS)

Land Grant
Universities
(Coop Extension &
Experiment Stations)

Extension
(Federal &
State)

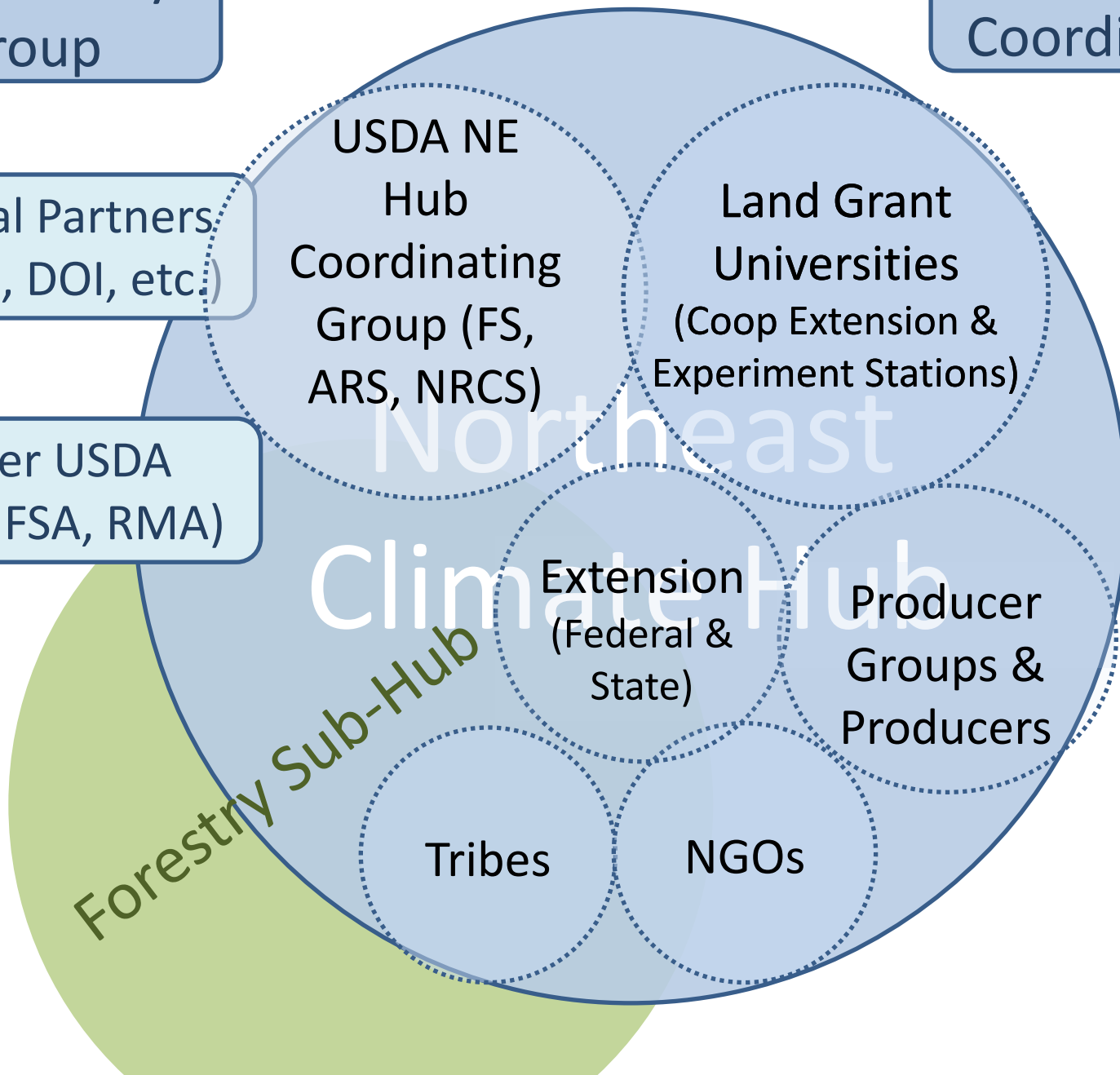
Producer
Groups &
Producers

Tribes

NGOs

Forestry Sub-Hub

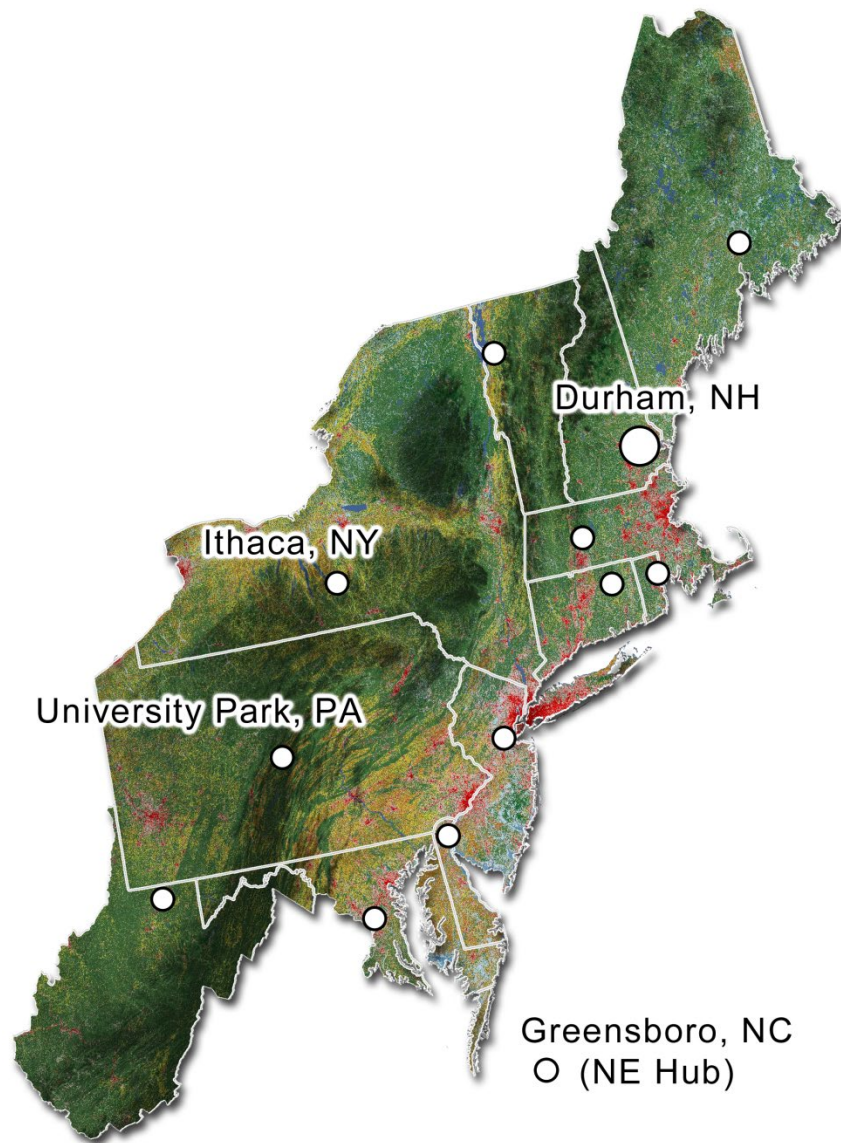
Northeast
Climate Hub



Partnership Agreements

12 Current Agreements With:

- University of Connecticut
- University of Delaware
- University of Maine
- University of Maryland
- University of Massachusetts
- University of New Hampshire*
- Rutgers University
- Cornell University*
- Pennsylvania State University*
- University of Rhode Island
- University of Vermont*
- West Virginia University



University Partners Network

Information Sharing and Exchange

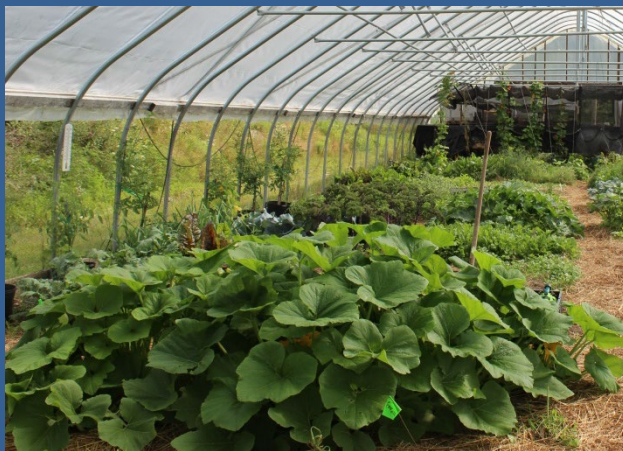
- Connect the hub with stakeholders
- Engage students
- Project tasks



University Collaborations

Stakeholder Risk

- Vulnerability assessment: synthesis.
- Literature review of stakeholder views.
- Survey to assess perceived risks.



University Collaborations

Capacity Discovery

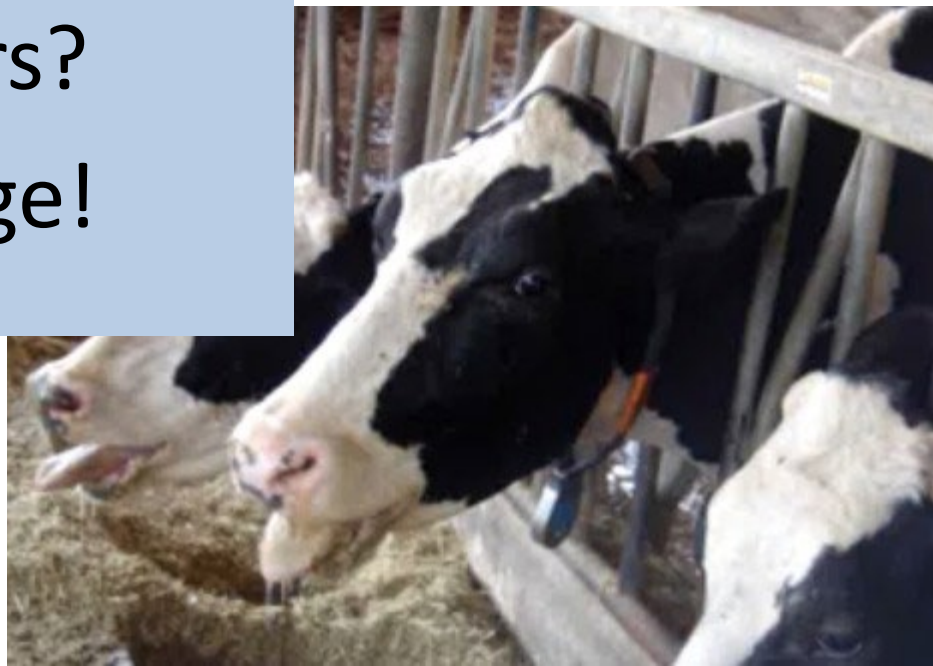
A survey to identify current research and extension activities:

- what is happening relative to climate change and agriculture
- where are the gaps



Pull Together the Pieces

- Vulnerable? Risk?
- Capacity?
- Strategies? Tools?
- How to reach farmers?
Information Exchange!



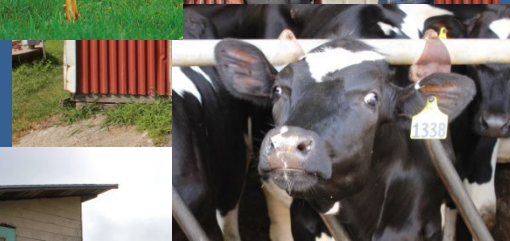
Adaptations and Mitigations

- 
- High Tunnel houses
 - Flexibility in production
 - Tillage methods
 - Cover Crops
 - Farm stores vs markets
 - Heat stress relief

University Collaborations

Building Forward

- Grow networks
- Expand discovery
- Fill the gaps in research by making connections
- Meet the needs of stakeholders -- outreach



Northeast Climate Hub Next Steps

Priorities - Year 2

- Finding and cataloging adaptation information, practices, and examples
 - University Capacity Discovery Project
 - National effort to catalog Tools
- Seeking to understand Stakeholders needs & desires
- Working with  to develop material for outreach specialists
- Testing approaches to engage landowners – forestry adaptation workbook



[Home](#) » [Northeast Hub](#)

Welcome to the Northeast Climate Hub

USDA's Northeast Climate Hub delivers science-based knowledge and practical information to farmers, ranchers and forest landowners within the northeastern United States from Maine to West Virginia. The Hub builds on capacity within USDA to deliver information and guidance on technologies and risk management practices.



Northeast Climate Hub



Popular Topics:

- [First Year Hub Highlights](#)
- [Conservation Programs for Adaptation](#)