



'AS IF YOU WERE THERE' 360° Demonstrations of Climate Adaptation Actions

@USDAClimateHubs

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USDA Northeast Climate Hub

A Cross-USDA Partnership With Land Grant Universities, Tribes, NGOs, States & other Federal Agencies

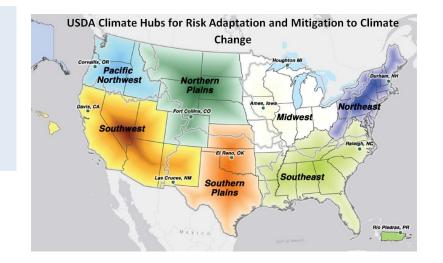
 Deliver science-based, regionally specific information, tools, & practices to assist farmer and land managers in achieving their goals in the changing climate





- Understand climate trends and projections in the Northeast.
- Determine impacts & assess risk:
 opportunities and vulnerabilities.





- Discover needs, practices, and tools to deal with changes.
- Share/deliver information and useful tools
- Highlight success in effective and innovative ways.



Opportunities

 longer growing season- double cropping, planting new varieties

Vulnerabilities & Adaptation Practices

- increased pest pressure integrated pest management
- spring frost risk after bloom warning, protection
- drought soil health, irrigation
- runoff from manure & chemical fertilizers tools, cover crops, stream buffers



Adapt

- Promote soil health; reduce soil erosion
 - Cover crops and reduce tillage; improve resilience

Protect from extremes

 High tunnel houses, ventilation systems, riparian buffers, expanded irrigation, and the shifting of production zones away from flood- and frost-prone areas

Decision support: better information faster

 Integrate pest management, shift planting dates, adjust feeding management, identify and select better adapted varieties, breeds and cultivars





Demonstrations are a Tool for Sharing Information

- Showcase climate adaptation tactics currently in use in the Northeast
- See and understand technologies, practices, and systems





Field Tours are a Powerful Teacher

- Visit farms and forests where adaptation is demonstrated.
- Become more comfortable with adaptation options and actions.







"As If You Were There"





- Utilizes 360 degree photography, and video to showcase expertise, leaders and actions.
- Targets Extension and outreach professionals (technical service providers), and their agriculture and forestland clientele.



Education Leads to Adoption

Increase adaptation actions that work to achieve goals and reflect landowner values





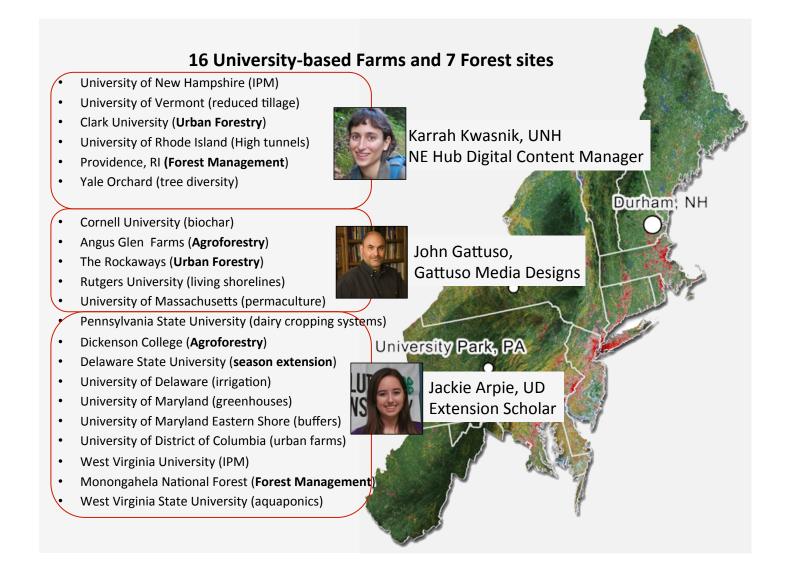




i-Three Issue Corp on Climate and Food Systems

- Our project was selected as part of a national search and identified as a "Rapid Solution."
- Jennifer Volk at University of Delaware leads the production operations. eXtension offers tools to help Jennifer organize, plan, and implement this strategy of messaging and storytelling



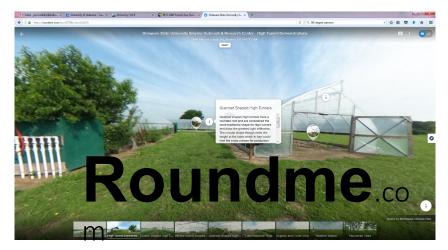




Virtual Equipment for Storytelling









"As If You Were There" Demonstrations





Explore the Tours: climatehubs.oce.usda.gov/northeast/360



Website: <u>climatehubs.oce.usda.gov/northeast</u> Newsletters: sign up on our website! Twitter: <u>@USDAClimateHubs</u> Webinars: <u>climatewebinars.net</u> List Serv: <u>climatelearning.net/discuss/</u>

