



Climate Efforts from the new eXtension



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Climate | Forests & Woodlands



Climate Learning Network



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A little bit of history...

- eXtension has been focused on connecting with land managers and producers
- Idea was to provide information directly to the ground when an agent wasn't necessarily available
- High volume of information
- Communities of Practice (COP) have been the main unit of delivery

The screenshot shows the eXtension website interface. At the top left is the eXtension logo with the tagline 'Issues • Innovation • Impact' and 'A Part of the Cooperative Extension System'. Navigation links include 'Home', 'Resource Areas', 'About', 'Support Us', and 'Recent'. A search bar is located on the right. The main heading is 'Climate, Forests and Woodlands'. Below this is a large image of a tree canopy with a navigation arrow. A featured article titled 'Management Strategies for Family Forests' is partially visible, with the text 'Written by Eli Sagor, University wooded property owned by ind'. To the right, there are social media icons for Twitter and Facebook, and a 'Connect with us' section. Below the image is a 'Welcome' message: 'eXtension is an interactive learning environment delivering research-based information emerging from America's land-grant university system.' A button says 'Select a different institution'. At the bottom, there is a 'Resource Areas' menu with categories: ENERGY (Farm Energy, Home Energy, Wood Energy), ENVIRONMENT (Prescribed Fire, Trees for Energy Conservation), FAMILY (Child and Family Learning Network), FARM (Ag Safety and Health, Animal Manure Management, Animal Welfare, Apples, Bee Health, Beef Cattle, Blueberries, Climate, Forests and Woodlands, Dairy), HEALTH AND NUTRITION (Community Nutrition Education, Families, Food and Fitness, Healthy Food Choices in Schools), and LAWN AND GARDEN (Extension Master Gardener, Gardens & Landscapes, The Garden Professors, Water Conservation for Lawn and Landscape).





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For Extension Professionals and the Public They Serve




ABOUT US ISSUES INNOVATION IMPACT GETTING STARTED TOOLS RESOURCE ARTICLES

We are a knowledge-to-action service that is an integral part of the U.S. Cooperative Extension System

- Knowledge resources from America's land-grant universities
- Answers to your questions by university experts around the country
- See more in [Resources](#)

Are you an Extension professional?

- Use our tools, services and professional development to increase your impact



Desktop layout

1				5
2	3	4		

MOBILE layout

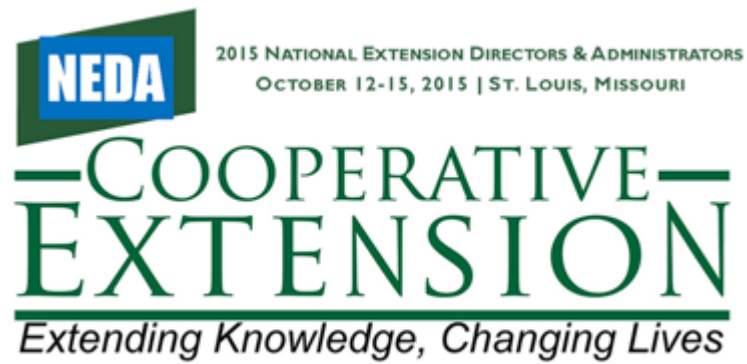
1
2
3
4

Use a Mobile First Design Strategy to Create Focus

• The NEW eXtension

- New CEO, Christine Geith (Michigan State University)
- Focus on
 - Training Extension Professionals
 - Issues
 - Innovation
 - Impact





- National Extension Directors and Administrators Meeting.
 - October 14, 2015
- The NEW eXtension i-Three = Issues, Innovation and Impact
 - Increase Extension professionals' effectiveness in addressing issues of importance.
 - Foster innovation in developing solutions and methods of work.
 - Advance the measurable impact of their work for the public good.
- Ultimate goal is to improve the delivery system using innovative technologies and make eXtension relevant for Agents





- i-Three Issue Corps
 - Climate is one of two issues (Food Systems is other)
 - 200 Extension professionals we will work alongside to make short-term measurable impact on climate.
 - What we learn we will build into our services and tools to benefit the next 2000 in an increasing number of issues
 - Nominations closed – full application process ends Dec. 4th





eXtension i-Three Event

San Antonio March 22-25, 2016

Focus sessions on climate issues

- Workshops
 - 1-2 Hour demonstrations
- Ignite Presentations
 - 5 min
 - Innovation, emerging issues and measuring impact
- Knowledge Café
 - 10 min
 - Addressing emerging issues





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Climate, Forests and Woodlands Community of Practice

Sustaining Forests in a Changing Climate



Susan E. Moore, Mark A. Megalos and Jennifer W. Grantham, Extension Forestry,
North Carolina State University, Raleigh, NC *email: susan_moore@ncsu.edu*



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Purpose:

- Increase on the ground knowledge/use of research
- Accessible online resource on CC and forests – impacts and adaptation

Audience:

- Forest landowners
- Extension professionals who support them

Climate, Forests and Woodlands

Overview of the Effects of Climatic Variability and Change on Forest Ecosystems in the Southeast United States

The Global Change Research Act of 1990 requires the U.S. Global Change Research Program (USGCRP) to produce the National Climate Assessment (NCA) for the...>Read More

Community of Practice Homepage



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Approach:

- TRANSLATE research from partners (e.g. *USDA Climate Hubs, LGUs, Climate Learning Network*)
- SHARE through social media
- NETWORK within Extension

Content:

- Regional reports and assessments
- Forest ecology and management impacts
- Adaptation strategies
- Ask an expert feature
- Upcoming webinars
- Twitter feed



Forests in a Changing Climate

Published by Mark Maguillicuty [?] · October 23 at 11:53am · 🌐

Outside of studies of red spruce in the 1970s, I have never seen anything quite like this," said a study co-author, Neil Pederson, an ecologist at Harvard Forest in Massachusetts and an expert on tree rings and climate change. "Most tree-ring studies of canopy trees in the region do not show a decline like what we see in these sugar maple. Combined with evidence of reduced natural regeneration of sugar maple in the region, it is a concern."



Sugar Maple Trees Show Significant Decline

The iconic sugar maple, one of the most economically and ecologically important trees in the eastern United States and Canada, shows signs of significant decline, according to new research that involved an...

LABORATORYEQUIPMENT.COM

201 people reached



Forests in a Changing Climate

Published by WordPress [?] · September 15 · 🌐

Check out the newly published Southeast Regional Climate Hub Assessment of Climate Change Vulnerability and Adaptation and Mitigation Strategies. The Assessment covers eleven states: Alabama, Arkansas, Georgia, Florida, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, and Virginia and describes the significant climate-related challenges managers of working lands (i.e., range, forest, and agricultural) are facing. Temperature increases are expected in the coming decades, with concomitant effects on rainfall and water availability. [36 more words.]

<https://climateforestswoodlands.wordpress.com/.../southeast-.../>



Photo credit: USDA Forest Service, Southern Research Station

Authors: Steven McNulty, Southeast Hub Director, Sarah Wiener, Southeast Hub Coordinator, Emrys Treanor, Southeast Hub, Jennifer Moore Myers, Southeast Hub, Hamid Farahani, Southeast Hub, Lisa FouadBash, Southeast Hub, David Marshall, Southeast Hub, Rachel F. Steele, National Climate Hubs Coordinator, Washington, DC

Southeast Climate Change Vulnerability Assessment Released

Check out the newly published Southeast Regional Climate Hub Assessment of Climate Change Vulnerability and Adaptation and Mitigation Strategies. The...

CLIMATEFORESTSWOODLANDS.WORDPRESS.COM

236 people reached

Boost Post








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Facebook page

Status:

- Growing nationwide membership and audience
- Active social media campaign
- Effective partner integration
- Coordination with Climate Learning Network

<input type="checkbox"/>	 Outside of studies of red spruce in the ...	201	16	Oct 23, 2015 at 11:53am Mark Maguillicuty
<input type="checkbox"/>	 59 percent of Republicans now say cli...	108	5	Oct 23, 2015 at 9:00am Mark Maguillicuty
<input type="checkbox"/>	 Are climate vulnerability assessments ...	49	3	Oct 22, 2015 at 2:01pm WordPress
<input type="checkbox"/>	 most of these tipping points are near se...	47	3	Oct 20, 2015 at 9:43am Mark Maguillicuty
<input type="checkbox"/>	 Troubling news from a new study publi...	134	6	Oct 19, 2015 at 8:16pm Susan E. Moore

Four days of reach and 'clicks' on FB page



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What's Next:

- Outreach innovation
- Website redesign
- Multi-media content
- Analytics
- Impact evaluation
- *Continuous improvement*

Search ...

- CONNECT
- ABOUT
- NEWS
- RESOURCES
- LEARN
- PARTNERS
- CONTACT



We are currently constructing this site, in the meantime we invite you to visit our **Climate, Forests and Woodlands blog:** <https://climateforestswoodlands.wordpress.com/> our **Facebook page:** <https://www.facebook.com/climateforestswoodlands> or our **Community of Practice site:** http://www.extension.org/climate_forests_woodlands



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Visit:

eXtension.org/climate_forests_woodlands

facebook.com/climateforestswoodlands/

Twitter.com/cfw_cop

climateforestswoodlands.wordpress.com/



The screenshot shows a blog post from the Climate Forests and Woodlands COP. The header features the CFW logo and the title "CLIMATE, FORESTS AND WOODLANDS". The main heading is "WHAT'S IN STORE FOR THE NORTHEAST WITH CLIMATE CHANGE – WHAT DO THE SCIENTISTS SAY?". The post date is October 14, 2015. The text discusses climate change impacts in the Northeast, mentioning big storms, floods, and heat waves. It references the National Climate Assessment's chapter on the Northeast and mentions tree species migrating northwards. A map of the Northeast region is included, with labels for "New York", "New Jersey", "Pennsylvania", and "University Park, PA". The post also mentions a recently released report: "Northeast and Northern Forests Regional Climate Hub Assessment of Climate Change Vulnerability and Adaptation and Mitigation Strategies".

Recent blog post



Climate Learning Network

Agriculture, Forestry & Climate Learning Network (CLN)

Dan Geller, Coordinator

William Hubbard, Director



Climate Learning Network

Purpose:

- Create a network of climate literate extension agents
- Provide a national forum for Climate Hubs and Extension to work together

Audience:

- Extension agents
- Other **agriculture** and forestry professionals

The screenshot shows the website layout for the Climate Learning Network. On the left is a navigation sidebar with the CLN logo, a search bar, and menu items: E-LEARN, RESOURCES, NEWS, CONNECT, JOIN, and CONTACT. The main content area features a large banner for 'E-LEARNING MODULES' with a wind turbine background. Below this are three sections: 'RESOURCES' with a log stack background, 'NEWS' with a forest background, and 'CONNECT WITH PEERS' with a field background. The footer includes the USDA and extension logos, social media icons, a newsletter sign-up form, and a copyright notice for the Southern Regional Extension Forestry.



Climate Learning Network



Approach:

- DEVELOP and identify tools and educational materials aimed at an Extension audience
- SHARE through social media
- Create a NETWORK of Extension Agents

Content:

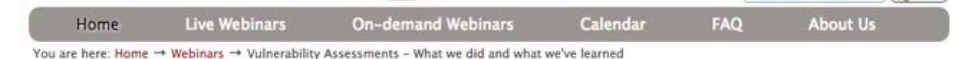
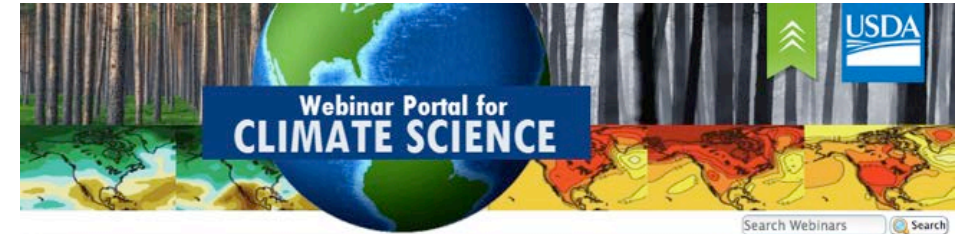
- eLearning Modules
- Webinars
- Stakeholder needs assessment
- Climate Hub needs assessment
- Newsletter



Climate Learning Network

Status:

- East coast pilot complete
- 2015 Webinar Series complete
- Modules being developed
- Website launch imminent
- Coordination with Climate Forests and Woodlands COP



Vulnerability Assessments - What we did and what we've learned

You can [view](#) this archived webinar at any time.

Dr Chris Swanston discusses how he and his team used the Climate Change Response Framework (CCRF), a cross-boundary approach among scientists, managers, and landowners to incorporate climate change considerations into natural resource management, to create 9 vulnerability assessments on forests across 19 states, involving hundreds of collaborators and co-authors since 2010. He covers the process used to create vulnerability assessments and a few lessons he and his team learned from the experience.

Dr. Swanston is the project lead for the CCRF as well as a research ecologist with the US Forest Service Northern Research Station and the director of the Northern Institute of Applied Climate Science.



Green Savings!

Click on the graph below or click [here](#) for a detailed Green Savings analysis of this webinar.

CLN

When:



Climate Learning Network

Module 1: Communicating Climate Change - Cooperators



Forward

Back

Home



Climate Change



0:03 / 7:34

What's Next:

- National Expansion
- Website launch
- Module launch
- i-Three Corps launch
- Extension climate tools database launch



Climate Learning Network

Visit:

facebook.com/climatelearningnetwork/

Twitter.com/climateIn

[climatesciencelearningnetwork.](http://climatesciencelearningnetwork.com)

wordpress.com/



AGRICULTURE, FORESTRY, AND CLIMATE LEARNING NETWORK

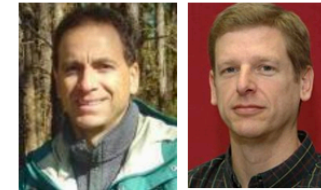
CLN PRESENTS WEBINAR 6: RESILIENT PINE MANAGEMENT NOVEMBER 19TH AT 1:00PM EST

October 29, 2015

[Climate Learning Network](#)

[Leave a comment](#)

[Edit](#)



The Climate Learning Network is pleased to present a Climate Adaptation Webinar focusing on pine management in the Southeast and Western Gulf. Dr. Mark Megalos (Extension Forestry Specialist, NCSU) and Dr. Eric Taylor (Associate Professor and Extension Forestry Specialist, Texas A&M University) will present useful insights for pine managers from a USDA

funded pine adaptation and management project (PINEMAP). [Register Now](#)

