



Engaging a Climate Ready Agency

From Dave Cleaves, Forest Service Climate Change Advisor

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Tongass National Forest



Cimarron National Grassland



Lolo National Forest

WELCOME

The Forest Service has been at the forefront of working with communities and helping them adapt to climate change. This month's update features a guest essay on a US Forest Service collaboration with the Southern Oregon Forest Restoration Collaborative on a climate plan for the Rogue Basin.

The update is designed to inform you about Forest Service activities that are linked to our changing climate as we all work to bring climate change knowledge into our organizational expectations and actions. Please continue to share the details of your climate change related research, management activities, and communications. Submission details are included in the last section of the update.

GUEST ESSAY—MODEL FOREST POLICY PROGRAM

Local Community and US Forest Service Jointly Create Climate Adaptation Plan

Successful partnerships make the difference between plans that get implemented and those that collect dust on the shelf. Organizations working together:

- Achieve greater buy-in
- Create momentum
- Expand the resources available to address challenges

A recent example is the US Forest Service collaborating with Southern Oregon Forest Restoration Collaborative (SOFRC) on a climate plan for the Rogue Basin. Climate threats to the Rogue Basin include increased severity and frequency of wildfires, decreased snowpack, snow melt affecting water quality and quantity, floods and drought, and increasing stream temperatures. These concerns compelled the SOFRC to partner with the Rogue River-Siskiyou National Forest (RRSNF) to create a plan through Model Forest Policy Program's [Climate Solutions University: Forest & Water Strategies](#) to increase local resilience to climate change.

Partnership Goals

The RRSNF participated in the partnership with the goal of creating a balanced approach to climate change that includes managing forests to adapt to changing conditions, mitigating climate change, building partnerships across boundaries, and preparing employees to understand and apply emerging science.

SOFRC participated to develop a [localized climate adaptation plan](#) with a collaborative process, focusing on community engagement. According to Gwyn Myer of SOFRC, "this was an opportunity to create recommendations from various parties about how to approach land management more actively. We wanted to ignite change that would result in benefits on a multitude of scales, including climate change."

(continued on page 2)

GUEST ESSAY (continued)

Benefits of Partnership in Climate Adaptation Planning

It is no secret that climate planning takes tremendous effort. Solid partners lighten the load. Myer explains the helpful partnership, “Ken Wearstler (US Forest Service Climate Change Coordinator) provided feedback and input on historical and local knowledge in areas where I didn’t have the expertise or information. He was also instrumental in helping distribute the plan and engaging others to increase interest.” Ken participated in the entire 10 month CSU program.

Getting a plan written is only the beginning. Engaging stakeholders and putting the plan into action is more effective when multiple organizations are involved. The Rogue Basin is now teeming with activity to move toward healthier, more resilient lands. Partnership has made it possible!

Climate Solutions University’s Instrumental Role

Ken Wearstler explains the value of the program in their successful planning and partnership with the SOFRC:

“The CSU program provided focus and a framework for engaging people and building relationships. The plan developed has resulted in tremendous enthusiasm for combining limited capacity and resources across multiple interests and organizations, to effectively and efficiently identify opportunities, and guide management decisions and implementation actions.”

Gwyn Myer adds “The CSU program created an all-encompassing context for management in the Rogue Basin. It encouraged a broader view where we fit the small pieces together to create a larger, more meaningful outcome. CSU experts challenged us to think about priorities, objectives, risks, current projects, and how to approach implementation. CSU helped us synthesize a vast amount of information and put it into a meaningful document with action steps.

Broad community engagement and larger scale planning across ownerships is needed for climate adaptation solutions to succeed

The [joint U.S. Forest Service/SOFRC plan](#) offers a robust model for future collaboration between local citizens and federal agencies. Partners in the Rogue Basin are implementing this plan by participating in the [CSU Plan Implementation Program](#) where they receive fundraising assistance, policy support, communications skills training and more.

If your community would like to create an adaptation plan, or already has a plan and you want more information on how to participate in our Implementation Program, please contact Recruitment Coordinator Jeff Morris: jeff@mfpp.org or 530-355-9880.

Model Forest Policy Program

Note from Climate Change Advisor’s Office: We would like to publish exemplary activities carried out by the field showcasing the different elements of the Scorecard. Please send us case studies highlighting Forest Service collaborations with other organizations and communities in responding to climate change. Please send essays to [Karen Dan-te](#).

FROM THE FIELD

Rising Voices II and First Stewards Symposium Updates

Linda Kruger (PNWRS) and Marla Emery (NRS) participated in Rising Voices II, Adaptation to climate change and variability: Bringing together science and indigenous ways of knowing to create positive solutions (Boulder, CO June 30- July 2) followed by First Stewards Symposium (Washington DC July 21-23). They were joined at First Stewards by Christopher Swanston (NRS) and Alicia Bell Sheeter and other staff from the Office of Tribal Relations. Both events provided great opportunities to work with tribes on identifying climate change issues and adaptation and mitigation needs.

Climate adaptation and mine land restoration on the Monongahela NF

The Monongahela National Forest partnered with NIACS in May to incorporate climate change considerations into their high-elevation [Lambert Restoration Project](#). Staff from the National Forest recently used the Central Appalachians vulnerability assessment (in press) and the [Forest Adaptation Resources](#) to identify regional climate change vulnerabilities, and identify several adaptation approaches and tactics. Efforts to improve soil structure and hydrology, and remove invasive species are largely complete. Ongoing activities include planting red spruce, yellow birch, aspen, and other hardwoods to restore native forest cover. Contact [Patricia Butler](#) for more information.

Forest Adaptation Planning and Practices workshop in Minnesota

The Northern Institute of Applied Climate Science and the Forest Service partnered with the [Cloquet Forestry Center](#) and the [Sustainable Forests Education Cooperative](#) to hold a hands-on workshop on adaptation for forest managers in Minnesota. [Forest Adaptation Planning and Practices](#) workshops allow participants to bring their own real-world forestry projects and use the Adaptation Workbook from [Forest Adaptation Resources](#) to design custom adaptation actions. Staff from the Minnesota Department of Natural Resources, Lake County, St. Louis County, Carlton County, the Grand Portage Band of Lake Superior Chippewa, and the Red Lake Band of Chippewa Indians participated in the workshop, as well as private landowners. Contact [Stephen Handler](#) for more information.

[U.S. Forest Service Region 5 Releases Climate Change Videos](#)

In June 2014, the U.S. Forest Service Region 5 Climate Change Integration Team produced a 10-minute video with the goal of informing all Region 5 employees, including new and seasonal hires, of how the Forest Service is responding to the drivers and stressors associated with climate change. The video is divided into four, brief modules that can be accessed at the URLs listed below:

Module 1: [Climate Change 101](#)

Module 2: [Climate Change Impacts on Forests, National Perspective](#)

Module 3: [Forest Service Response to Climate Change, R5 Perspective](#)

Module 4: [Forest Service's Agency Structure for Addressing Climate Change](#)

By viewing this series of videos, employees will gain an understanding of the structure and goals of the USDA 2010-2015 Strategic Plan as well as the Forest Service Climate Change Performance Scorecard. Moreover, employees will gain understanding about how to apply climate change concepts on the ground to increase ecosystem resilience.

2013 OMB Sustainability/Energy Scorecards Released for All USDA Agencies

In early July 2014, the USDA presented the OMB Sustainability/Energy Scorecards for all USDA agencies at the Management Council Meeting. These Scorecards are developed annually to depict agency progress in nine (9) key areas connected to the [USDA Strategic Sustainability Performance Plan](#), including, but not limited to: Scope 1 & 2 GHG Emissions Reduction, Use of Renewable Energy, and Reduction in Potable Water Intensity. The [Forest Service's Scorecard](#) is informed by upward reporting by the agency that reflects Unit-level progress on Climate Change Performance Scorecard – Element 10 (“Sustainable Operations”) Actions. Element 10 Actions were specifically developed to map to these Department-level priorities and Federal overarching mandates for consumption reductions. As Units prepare their Element 10 responses for FY14 Climate Change Scorecard Reporting, they are encouraged to consider this connection to higher-level priorities (see [LISO Cross-Walk](#) for linkage to Laws, Executive Orders, and Forest Service direction) and dedicate time to preparing robust responses that will assist our agency in shifting from red to green. Reporting Units are also reminded to refer to the [Updated Element 10 FAQs](#) to assist with year-end reporting.

FROM THE FIELD (continued)

Guest Lecture on Climate Change and Forests

Chris Fettig guest lectured at The University of Freiburg (Germany) on "Climate change impacts to forest and forestry in western North America".

SPRUCE testing peatlands ecosystem response to higher temperatures, elevated carbon dioxide

Spruce and Peatland Responses Under Climatic and Environmental Change, or SPRUCE, is an ambitious ecosystem-level experiment that will test the response of high-carbon northern peatland ecosystems to increased temperatures and elevated carbon dioxide. Located at the Northern Research Station's Marcell Experimental Forest near Grand Rapids, MN, the experiment is a collaboration between the U.S. Forest Service and the Department of Energy's Oak Ridge National Laboratory. Although they cover only 3 percent of Earth's land surface, peatlands store about 30 percent of the total carbon stored in soil. Because they store so much carbon, peatlands may be one of the most important ecosystems in terms of gaining insight into global climate change. Despite the importance of these ecosystems and the uncertainty about their response to climate change, large scale experimental manipulations to simulate climatic warming and predicted atmospheric carbon dioxide levels have not been conducted until SPRUCE. Scientists at the U.S. Department of Energy's Oak Ridge National Laboratory conceived the SPRUCE concept and design and have been developing the technology to produce large-scale whole-ecosystem warming conditions for the target black spruce peatland ecosystem. Funding for SPRUCE comes from the U.S. Department of Energy through support of the Oak Ridge National Laboratory's Terrestrial Ecosystem Science and Climate Change Research efforts. Scientists from the U.S. Forest Service's Northern Research Station, Oak Ridge National Lab and numerous other scientists from across the globe are working in collaboration to understand the water, soil, and plant responses to elevated temperature and carbon dioxide. For more information, visit http://www.nrs.fs.fed.us/disturbance/climate_change/spruce/ and the Oak Ridge National Lab's website: <http://mnspruce.ornl.gov/>

OTHER EVENTS AND OPPORTUNITIES

[Application of Climate Science Information: How To Use It In Managing Our Natural Resources](#)

August 18. Held by the National Wildlife Federation, US Fish & Wildlife Service, CA LCC and Point Blue Conservation Science as part of the California Adaptation Forum pre-forum activities. [Climate-smart conservation](#) is the intentional and deliberative consideration of climate change in natural resource management, realized through forward-looking goals and linking actions to key climate impacts and vulnerabilities. Through the climate-smart process, existing and new projects can integrate considerations of future conditions. Registration is also open for the [California Adaptation Forum](#) being held August 19-20, 2014.

California Adaptation Forum

Aug 19-20, Sacramento, CA. The Local Government Commission and the State of California are organizing the first California Adaptation Forum in the state capital, to be held August 19-20, 2014. This two-day forum will build off last year's successful National Adaptation Forum in Colorado. The attendance of many California leaders there underscored the need for a California-focused event, which will be held every other year to complement the biennial national forum.

www.californiaadaptationforum.org/

Webinar: Midwest and Great Plains Drought Webinar

August 21, 1 pm Central. Each month, a state climatologist and a NOAA regional climatologist conduct public webinars to brief interested members of the public about ongoing and near-future changing climate conditions in the Great Plains and Midwestern United States.

<http://drought.gov/drought/content/regional-programs/regional-drought-webinars>

PNW Climate Change Adaptation Workshop

September 2-3, 2014. Portland, OR. This training will provide an introduction to the process of planning for climate change impacts, from getting started to impact and vulnerability assessment to developing adaptation strategies. It is intended for tribal environmental and natural resource professionals who expect to be involved in climate change adaptation planning. Course materials and the Tribal Climate Change Adaptation Planning Toolkit will be available for download (please bring a USB flash drive). The Columbia River Inter-Tribal Fish Commission has generously offered to host this workshop at their offices in Portland. Instructional team: Laura Gephart, CRITFC; Cristina Gonzalez-Maddux, ITEP; Oliver Grah, Nooksack Indian Tribe; Linda Kruger, USFS; Kathy Lynn, PNW Tribal Climate Change Project; Mary Mahaffy, North Pacific LCC; Susan Wotkyns, ITEP.

OTHER EVENTS AND OPPORTUNITIES (continued)

Annual Pacific Northwest Climate Science Conference

September 9 – 10. The PNW Climate Science Conference annually brings together more than 250 researchers and practitioners from around the region to discuss scientific results, challenges, and solutions related to the impacts of climate on people, natural resources, and infrastructure in the Pacific Northwest. More [here](#).

Mountain Climate Research Conference

The Mountain Climate Research Conference (MTNCLIM 2014) will be held September 15 – 18 in Midway, Utah at the Homestead Resort. It is sponsored by the Consortium for Integrated Climate Research on Western Mountains and is dedicated to mountain climate sciences and effects of climate variability on ecosystems, natural resources, and conservation in western North American mountains. The conference will feature invited and contributed talks, poster sessions and working group sessions. A post-conference workshop for natural-resource managers will be held to address implications of climate variability and climate change in conservation and resource management. This half day workshop (1 – 5 pm) will provide state of science updates on the effects of climate change on vegetation and water, identify management concerns and priorities and focus on sensitive resources and locations. [Natalie Little](#) and [Dave Peterson](#) are points of contact for this workshop. More on the workshop [here](#).

Climate Change Vulnerability Assessment Webinar Series

The Northern Rockies Adaptation Partnership (NRAP) is a science-management collaboration with the goals of assessing vulnerability of natural resources and ecosystem services to climate change; and developing science based adaptation strategies that can be used by national forests to understand and mitigate the negative effects of climate change. For more NRAP information please visit our website at <http://adaptationpartners.org/nrap/>. Please join us every Wednesday in September and the first Wednesday of October for an overview of the NRAP project and analyses of the different resource areas most vulnerable to climate change – vegetation, wildlife, fish, water, recreation and ecosystem services – in the Northern Rockies. All webinars will be from 12 – 1:30 MST. Audio connection: 1.888.844.9904; Passcode: 7176814. Webinar dates are as follows –

Sep. 3	Climatology (<i>Dave Peterson</i>) LiveMeeting link: https://www.livemeeting.com/cc/usda/join?id=9KTTCD&role=attend Meeting ID: 9KTTCD
Sep. 10	Vegetation - forested, non-forested, disturbance (<i>Bob Keane, Rachel Loehman, Matt Reeves</i>) LiveMeeting link: https://www.livemeeting.com/cc/usda/join?id=G5MB4H&role=attend Meeting ID: G5MB4H
Sep. 17	Wildlife (<i>Kevin McKelvey</i>) LiveMeeting link: https://www.livemeeting.com/cc/usda/join?id=JD22MW&role=attend Meeting ID: JD22MW
Sep. 24	Fish and Water (<i>Michael Young and Charlie Luce</i>) LiveMeeting link: https://www.livemeeting.com/cc/usda/join?id=663MKF&role=attend Meeting ID: 663MKF
Oct. 1	Recreation and Ecosystem Services (<i>Michael Hand and Travis Warziniack</i>) LiveMeeting link: https://www.livemeeting.com/cc/usda/join?id=49ZDMP&role=attend Meeting ID: 49ZDMP

OTHER EVENTS AND OPPORTUNITIES (continued)

Climate Change Adaptation Planning

Registration is open for a 3-day Climate Change Adaptation Planning training on October 7-9 in Norman, OK, with an optional field trip the morning of October 10. The Oklahoma training will include a 1-day session on Community Resilience provided by the National Disaster Preparedness Training Center. We encourage people from the south central U.S. to attend. Both of these trainings are intended for tribal environmental and natural resource professionals who expect to be involved in climate change adaptation planning with their tribe. Registration forms for the trainings are available on our website:

www4.nau.edu/itep/climatechange/

ACES Conference

A Community of Ecosystem Services conference is scheduled for December 8-12, 2014, in Washington, DC. The focus of the conference is to link science, practice, and sustainable decision making by bringing together the ecosystem services community from around the United States and the globe. See conference website for more information: <http://www.conference.ifas.ufl.edu/aces/index.html>. Themes include Traditional Ecological Knowledge (TEK), climate change, cultural and social values, and tribal goals and resources.

Applications Now Accepted for 2015 Climate Solutions University

Do you know communities that are ready to develop or update a climate adaptation plan with forest and water components, or who could benefit from connecting to a network of communities implementing their plans? Please share this opportunity. [Climate Solutions University](#) is now accepting applications for its 2015 program. In 2015 the focus is on urban and rural communities that are linked through a shared dependence on intact natural resources. Urban areas need to protect upstream watersheds beyond their jurisdictional control. Rural underserved communities need the support of urban resources to implement conservation priorities in their watersheds. Also, it is essential to develop solutions that include, protect, and advance low income citizens. The program is provided at no cost to qualified applicants! Contact jeff@mfpp.org for more information."

CLIMATE CHANGE RESOURCE CENTER

New look, new resources for land managers

The CCRC has been updated with a new look, more resources, and hopefully a better experience for our users! Start in the [Managing for Change](#) section to understand why we've created a website focused on forests, grasslands, and climate change, or watch a video on [How Climate Change Affects Forests](#). Visit the new [Adaptation Examples](#) section to read about and see videos of recent climate change adaptation activities. Search or browse through the [Tools](#) pages for relevant climate tools, including new additions like the [Global Carbon Atlas](#), [NorEaST](#), and the [Watershed Erosion Prediction Project](#). Please continue to let us know what you think or what else you might like to see by emailing ccrc@fs.fed.us.

ADDITIONAL ONLINE TOOLS

Science You Can Use Bulletin

The *Bulletin* is a regular electronic publication of the US Forest Service Rocky Mountain Research Station that synthesizes current scientific research on hot topics in the Intermountain West. Each issue delivers key science findings and management implications to people who make and influence decisions about managing land and natural resources. Find the latest *Bulletin*, read the archives and sign up to receive future *Bulletins*, at: www.fs.fed.us/rm/science-application-integration/publications/

Ecosystem Services News Digest

Brought to you by the U.S. Forest Service Washington Office State & Private Forestry, the Ecosystem Services Update is a monthly digest of news, reports, journal articles and events related to forest-based ecosystem services and markets. Please email ecosystems@fs.fed.us to opt in/out.

NIACS Carbon and Climate Update

An update brought to you from the Northern Institute of Applied Climate Science. To subscribe, email [Kristen Schmitt](mailto:Kristen.Schmitt@niacs.org).

ADDITIONAL ONLINE TOOLS (continued)

Science Findings

Science Findings is a monthly publication by the U.S. Forest Service Pacific Northwest Research Station. It provides scientific information to who people who make and influence decisions about managing land. To read the current issue or to sign up to receive e-notifications or hard-copy delivery, please visit: <http://www.fs.fed.us/pnw/publications/scifi.shtml>

CompassLive

[CompassLive](#) is the online science magazine of the U.S. Forest Service Southern Research Station. Sign up here - <http://www.srs.fs.usda.gov/compass/>.

Mountain Views

The Spring 2014 issue of *Mountain Views* (MVN) newsletter-journal was recently released for viewing and download: www.fs.fed.us/psw/cirmount/publications/mtnviews.shtml. MVN is a seasonal newsletter-journal, featuring reports on current mountain-climate and climate-response studies, *Brevia* of recently published articles, book reviews, mountain climate news and announcements, and a round-up of mountain artwork and poetry.

TACCIMO

TACCIMO, the Template for Assessing Climate Change Impacts and Management Options (http://54.208.52.176/TACCIMO_3Beta/menu.php), currently contains information from over 1900 peer-reviewed journal articles on climate change and its effects on natural resources and is **now implemented for all western U.S. regions**. Information from newly published literature is added to the database on a weekly basis. For information on how to run a report in TACCIMO or to request more information on climate change effects for specific focal resources contact Emrys Treasure (etresure@fs.fed.us) or Lisa Balduman (lbalduman@fs.fed.us).

RECOMMENDED READINGS

Forest conservation and management in the Anthropocene: Conference proceedings

Sample, V.A. & Bixler, P, eds.

Climate change is but one aspect of the Anthropocene, a new epoch in which the effects of human activities have become the predominant force in the global biosphere. More than just an overlay on the traditional concerns of sustainable natural resource management, the uncertainties associated with these effects are creating a “no-analog future” in which much of the existing science relating to the functioning and response of forest ecosystems - which serves as the fundamental basis for current forest management practices and policies - must be reconsidered. In these collected papers, leading scientists, resource managers and policy specialists explore the implications of climate change and other manifestations of the Anthropocene on the management of wildlife habitat, biodiversity, water, and other resources, with particular attention to the effects of wild-fire. Recommendations include the need for a supporting institutional, legal, and policy framework that is not just different but more dynamic, to facilitate resource management adaptation and preparedness in a period of accelerating environmental change. Read the report [here](#).

Climate Justice in Action Blog Series

EPA

EPA kicked off a summer-long Climate Justice in Action blog series with a video from Administrator Gina McCarthy. The series will focus on the unequal burdens climate change places on low-income and minority communities and the innovative solutions communities are taking across the country to fight climate change and prepare for its effects. As a part of the series, EPA has created an Interactive Climate Justice Map that allows environmental justice and climate change stakeholders from all backgrounds to upload stories about actions being taken in their communities to combat climate change.

<http://blog.epa.gov/ej/2014/06/climate-justice-in-action/>

RECOMMENDED READINGS (continued)

Wildland fire emissions, carbon, and climate: Wildfire–climate interactions

Liu, Y., Goddick, S. & Heilman, W.

Increasing wildfire activity in recent decades, partially related to extended droughts, along with concern over potential impacts of future climate change on fire activity has resulted in increased attention on fire–climate interactions. Findings from studies published in recent years have remarkably increased our understanding of fire–climate interactions and improved our capacity to delineate probable future climate change and impacts. Fires are projected to increase in many regions of the globe under a changing climate due to the greenhouse effect. Burned areas in the western US could increase by more than 50% by the middle of this century. Increased fire activity is not simply an outcome of the changing climate, but also a participant in the change. Smoke particles reduce overall solar radiation absorbed by the Earth’s atmosphere during individual fire events and fire seasons, leading to regional climate effects including reduction in surface temperature, suppression of cloud and precipitation, and enhancement of climate anomalies such as droughts. Black carbon (BC) in smoke particles displays some different radiation and climate effects by warming the middle and lower atmosphere, leading to a more stable atmosphere. BC also plays a key role in the smoke-snow feedback mechanism. Fire emissions of CO₂, on the other hand, are an important atmospheric CO₂ source and contribute substantially to the global greenhouse effect.

Future studies should generate a global picture of all aspects of radiative forcing by smoke particles. Better knowledge is needed in space and time variability of smoke particles, evolution of smoke optical properties, estimation of smoke plume height and vertical profiles and their impacts on locations of warming layers, stability structure, clouds and smoke transport, quantification of BC emission factors and optical properties from different forest fuels, and BC’s individual and combined roles with organic carbon. Finally, understanding the short- and long-term greenhouse effect of fire CO₂ emissions, increased capacity to project future fire trends (especially mega-fires), with consideration of climate–fuel–human interactions, and improved fire weather and climate prediction skills (including exploring the SST-fire relations) remain central knowledge needs. See this issue of the journal for more on wildland fire emissions, carbon, and climate [Click here](#) for the report.

Climate Change Vulnerability Assessment for Natural Resources Management: Toolbox of Methods with Case Studies

FWS

FWS has issued a toolbox of methods for climate change vulnerability assessment (CCVA) for natural resources—from individual species to habitats to places (e.g., protected areas, watersheds, landscapes)—continues to grow as new approaches are developed, tested, and applied. The purpose of this document is to provide a non-comprehensive survey of some of the principal CCVA methods in use today for: (1) species; (2) habitats; (3) places (protected areas, watersheds, landscapes); (4) ecosystem processes; (5) ecosystem services; (6) water resources; and (7) coastal resources. Case study examples are presented for as many of the methods as possible. Most of the text is taken directly from the abstract or methods section of the article/report cited. Report [here](#).

Guide Helps Conservationists Address Uncertain Futures

FWS

A new publication by the U.S. Fish and Wildlife Service and the Wildlife Conservation Society (WCS) aims to help natural resource managers plan for a variety of long-term threats to America’s wildlife and habitats. The publication, *Considering Multiple Futures: Scenario Planning to Address Uncertainty in Natural Resource Conservation*, addresses a host of unprecedented challenges to wildlife, from climate change to invasive species, habitat fragmentation to wildfires and more. All of these stand to impose significant changes on the American landscape. The publication helps managers understand the core elements of scenario planning and how it differs from other decision-support frameworks, identify approaches that fit their needs, and get started on their own scenario planning effort. It also includes 12 case studies representing a range of scenario planning approaches for natural resource and conservation issues across the country. Download the full report here: http://www.fws.gov/home/feature/2014/pdf/Final_Scenario_Planning_Document.pdf

RECOMMENDED READINGS (continued)

One-Year Anniversary of the Climate Action Plan / July 16 Announcement

CEQ

June 25 marked the one-year anniversary of the launch of President Obama's [Climate Action Plan](#). In the last year, the Obama administration has made unprecedented progress in putting forward policies to reduce our carbon emissions, prepare the United States for the impacts of climate change, and lead international efforts to combat global climate change. To mark the anniversary, the White House released a [new report](#) detailing progress toward cutting carbon pollution and protecting our communities and public health. See: http://www.whitehouse.gov/sites/default/files/docs/cap_progress_report_update_062514_final.pdf

On July 16, the White House announced a series of actions under *Taking Action to Support State, Local, and Tribal Leaders as They Prepare Communities for the Impacts of Climate Change*. This includes (among others):

>**Helping tribes prepare for climate impacts.** The Department of the Interior's Bureau of Indian Affairs launched a new \$10 million Federal-Tribal Climate Resilience Partnership and Technical Assistance Program that will help tribes prepare for climate change by developing and delivering adaptation training.

>**Developing advanced mapping data and tools.** The Department of the Interior's U.S. Geological Survey and other Federal agencies launched a \$13.1 million 3-D Elevation Program partnership designed to bring Federal agencies, academia, corporate entities, states, tribes, and communities together to develop advanced 3-dimensional mapping data of the United States.

>**Making our coasts more resilient.** The National Oceanic and Atmospheric Administration (NOAA) today announced new program guidance under Section 309 of the Coastal Zone Management Act to ensure greater consideration of how climate change may exacerbate challenges in the management of coastal areas. Through this effort, \$1.5 million of competitive funding will be available to help states and tribes make improvements to their coastal management programs.

ABBREVIATIONS

ACES - A Community of Ecosystem Services
CCRC - Climate Change Resource Center
CEQ - Council on Environmental Quality
CSU - Climate Solutions University
FS - Forest Service
FWS - Fish and Wildlife Service
NF - National Forest
NIACS - Northern Institute of Applied Climate Science
NRS - Northern Research Station
OMB - Office of Management and Budget
PNWRS - Pacific Northwest Research Station
RRSNF - Rogue River-Siskiyou National Forest
SOFRC - Southern Oregon Forest Restoration Collaborative
SPRUCE - Spruce and Peatlands Responses Under Climate and Environmental Change
TACCIMO - template for assessing climate change impacts and management options
USDA - United States Department of Agriculture

SUBMISSIONS

Please send your submissions on Forest Service climate change related activities to Karen Dante: skdante@fs.fed.us by COB August 22nd. It's most helpful to have a short description with a web link to more information.

Share your great work by contributing your PowerPoint presentations to our O drive -
O:\OfficeOfTheChief\ClimateChange\Project\CCPresentations.
If you have a climate change related presentation or slides that you want to contribute, but don't have write access, please send to [Karen Dante](#).

Contact information for the Climate Change Advisor's Office is on our [Intranet](#) and our [Internet](#) site. Here you will also find materials like the National Roadmap for Responding to Climate Change, the Performance Scorecard, and Scorecard guidance.