

SUSIE KOCHER'S ANNUAL EVALUATION

For the Period October 1, 2013 - September 30, 2014

Name: Susan Kocher
Title: Forestry/ Natural Resources Advisor
County/Program: Central Sierra Multi county Partnership

SECTION A: SELF-ASSESSMENT/NARRATIVE

STATEMENT OF ASSIGNMENT

ANR Issue	Knowledge Areas	FTE
Sustainable Use of Natural Resources	Communication, Education and Information Delivery	0.15
Water Quality	Watershed Protection and Management	0.05
Wildland Fire	Communication, Education and Information Delivery	0.10
Wildland Fire	Management and Control of Forest and Range Fires	0.40
Wildland Fire	Management and Sustainability of Forest Resources	0.25
Youth Development	Youth Development	0.05
Total FTE		1.00

I. PROGRAM SUMMARY NARRATIVE

In the last year, my extension program has continued to focus on forest management and wildland fire using many extension methods and varied clientele. I have focused on four themes: 1. Forest Stewardship through improving web access and programming and to diverse clientele, 2. Wildfire science dissemination and landscape recovery after wildfire, 3. Sierra Nevada Adaptive Management Project public outreach and coordination and facilitation workshops, and 4. Water management through forestry.

1a. Forest Stewardship through improving web access and programming: I continue to maintain the UCANR forestry website (<http://ucanr.edu/forestry>) that I developed and launched in June 2011. The goal is to broaden extension of research-based information to hard to reach California forest landowners, especially those in urban areas, and link them to relevant information. The site features the Forest Stewardship pamphlet series (<http://anrcatalog.ucdavis.edu/Forestry/8323.aspx>) and dynamic content including blogs, a Facebook page, an upcoming events tab where all UC forestry events from around the state are featured and a past events tab to archive information from previous events.

Outcomes/Impacts: This year a total of 8,090 visitors came to the site. 79% of hits were from California – the top three cities were Sacramento, San Francisco and Berkeley. Top content included the home, workshop, and webinar pages, and the calendar. The site has allowed forestry workgroup members to increase our visual presence and “brand identity” on the web. It has also helped improve collaboration between campus and county academics by offering a centralized web page and credit card registration to simplify the registration and coordination for statewide workshop series.

WEBINARS: The site served as the home page for a series of webinars developed in the review period including an eleven part series Reforestation and Afforestation in California. This series was developed and organized by consultant Richard Harris and Advisor Mike DeLasaux. I assisted with webcast five of the sessions. Webinars were recorded and are available on the website. The goal is to disseminate current research-based information on forest management to various California forest management clientele.

Outcomes/Impacts: A total of 559 people participated in the Reforestation webinars (250 individuals). The forestry group is now posting these recordings on YouTube for post event viewing. This resulted in 780 views as of this writing. Webinars have reached a very broad audience.

1b. Forest Stewardship through outreach to diverse clientele: The biggest investment I made in reaching new clientele during the review period was in the California Naturalist program. In fall 2013, I wrote a successful grant proposal in collaboration with Scott Oneto for Renewable Resources Extension Act funds to bring the program to our multi-county partnership area. Rebecca Miller-Cripps, a long term Natural Resources Community Education Specialist, was rehired as a retired annuitant to implement the program. We started with a set of four meetings for potential partners that were interested in the program throughout in 6 county area including Madera and Mariposa. Over 55 representatives of federal, state and local agencies, community colleges and non-profits attended.

Rebecca was able to develop two California Naturalist trainings hosted by UCCE Central Sierra in fall 2014. A total of 48 new Naturalists were certified through a week long intensive training at Yosemite National Park and a semester long class at US Bureau of Reclamation's New Melones Visitor Center. Though we implemented the classes ourselves, they will probably be offered next year by the Sierra Nevada Research Institute (Yosemite) and Columbia College. We consider being able to hand off this program to interested partners to be a big success and a validation of our model of capacity building for which we sought grant funds. Here are some quotes from participants:

"It has strengthened my knowledge base in environmental science. I have also enjoyed the selection of guest speakers; their presentations are related to key topics that we are covering in both the text and class lessons. The field trips bring the text and the visual science into perspective."

"I love learning how to be a better steward for our natural resources, flora and fauna."

I was also successful in securing 2014 RREA funds to support Community Education Specialist Kim Ingram in 2015. We are currently working to expand the program to the north and will be holding partnership meetings in South Lake Tahoe, Quincy, Susanville and Bishop. We will also be holding an advanced training in fire ecology at Blodgett Research forest in the spring.

2a. Wildfire science dissemination: I continue to function as evaluator and outreach mentor for the California Fire Science Consortium (CFSC), a network of scientists and managers funded by the federal Joint Fire Science Program (JFSP) to synthesize local fire science and encourage collaboration between fire researchers, land managers, and stakeholders (<http://www.cafiresci.org/>). I led the needs assessment process during the 2009 and 2010 planning phase. Results were used by principal investigator Dr. Scott Stephens to develop the successful implementation proposal to JFSP for the first two year funding period (2011-2013). I coordinated collection and analysis of evaluation information used in the successful refunding proposal for 2013-2015. I attended the last two national meetings of JFSP Consortia on behalf of PI Scott Stephens to relay program guidance and ideas back to the CFSC. I have developed outreach materials and hosted occasional webinars when needed. I also mentor staff in holding effective outreach events and serve on the advisory committees for the CFSC and the Sierra Nevada subregion.

Outcomes/Impacts: Desired consortium outcomes include improved communication between scientists and managers, increased access to and understanding of fire science information, improved use of fire science information and relevance to land management problems. Recent feedback from participants suggests that the written, web-based, and in-person activities of the Consortium are useful and applicable. Most of those taking the 2012 national evaluation survey said the CFSC has helped improve accessibility of fire science information (75%), helped improve the use and application of fire science (62%) and

helped improve communication between managers and scientists (55%). 81% agreed that they would recommend involvement with the Consortium to co-workers.

2b. Wildfire science dissemination focusing on landscape recovery after wildfire: My goal is to help disseminate research based information on appropriate steps to take after a wildfire on both private and public landscapes. This work has included monitoring recovery of forests burned in the 2007 Angora fire, and hosting fire recovery workshops.

ANGORA FIRE RECOVERY MONITORING: I completed a report on post-fire monitoring of post fire restoration treatments carried out by the California Tahoe Conservancy (CTC) on 30 acres burned by the 2007 Angora Fire in 2012. Treatments included salvage timber harvesting, mastication of slash, seeding and replanting. With CTC colleagues, I monitored soil strength, vegetation regrowth, fuels, erosion and sedimentation. Results indicate that the CTC active restoration approach is returning the burned area to a forested condition more quickly than the untreated control area and caused no impacts to soil strength or erosion. I have recently started re-measuring plots to quantify longevity of masticated materials.

POST FIRE WORKSHOPS: I worked with local collaborators including NRCS and CalFire to host and develop a one day workshop in October 2013 for landowners affected by the September Rim Fire. I also worked with forest specialists Bill Stewart and Rick Standiford to host the one day Wildfire and Camps workshop in April 2014 for managers throughout the Sierra. Both workshops were well attended and included information on wildfire risk mitigation and post-fire recovery. This fall I held a post-Sand and King Fires workshop in El Dorado County.

Outcomes/impacts: Each workshop had at least 70 attendees. Participants rated them as excellent or very good 90% and 80% of the time respectively. Participants said that as a result of the workshops:

- They had a better idea of what to do on their property - Rim Fire (90%), Wildfire & Camps (93%)
- Presenters were knowledgeable and gave practical information - Rim Fire (90%)
- The information presented was informative and comprehensive - Rim Fire (90%), Wildfire & Camps (98%)

Unfortunately I think there will be increasing demand for this information because of the increase of wildfires burning at high severity over large landscapes. To serve this need I have requested funds from the new CalFire SRA fee grant program developed in 2014. I will find out in a few months if I receive the funds to expand my capacity to serve this growing need.

3a. Sierra Nevada Adaptive Management Project public outreach: We are in the home stretch of this 10 year project. I joined the team in 2008 and have been coordinating the UCCE outreach team since. I took over as PI from Kim Rodrigues in 2013. The goal of UCCE involvement is to increase and broaden participation, provide for mutual learning and increased trust between stakeholders. Events this year included an annual meeting to update stakeholders on progress, science integration meetings for stakeholders on fire, forest health, water, the Pacific fisher, the California spotted owl and social research. We hosted management workshops, field trips and scientific presentations to local schools. SNAMP events and presentations were targeted to people with a broad set of interests including arts, environmental, fire, forestry, and local government groups.

Over 159 outreach presentations about SNAMP were made by our team since 2007 including 17 this year to 535 individuals in local interest groups and members of the California Native Plant Society, fire safe councils, Audubon Society, Resource Conservation Districts, extension associations, the Ecological Society of America, and to wildlife biologists and senior citizens.

In addition to in person involvement events, we reached audiences at a distance this year by developing 8 news articles and write ups for the SNAMP website, 4 stories for the UCANR Green Blog, and by maintaining information repositories for the Pacific fisher and California spotted owl. This year, three of the science Integration Team meetings were held by webinar, which resulted in larger audiences than previous in person events.

Outcomes/Impacts: Dr. Lynn Huntsinger at UC Berkeley has organized social research into the effectiveness of SNAMP through three waves of interviews and online surveys of participants. She found that 95% of 2014 email respondents learned new things at SNAMP meetings, 88% understood the scientific results better, and 90% learned more about the science behind forest management and decision making as a result of the UC role in assessment and facilitation. As part of learning, having face to face exposure to scientists was greatly appreciated by participants, with 90% agreeing they had “adequate opportunity for face to face contact with UC scientists and/or Forest Service representatives” and 87% agreeing they had “enough opportunities to provide input into UC research.” Two thirds of respondents agreed that during the SNAMP project, their views of forest health had undergone change, and half agreed that their ideas about forest health changed because of their experience in SNAMP.

3b. Sierra Nevada Adaptive Management Project facilitation workshops: A big achievement of the UCCE outreach team this year was to finalize the curriculum used to build partner capacity for collaboration. “*Facilitation Skills for a Collaborative Adaptive Management Process: A workbook to train natural resource managers and stakeholders in facilitation of collaborative projects*” is free and downloadable from the SNAMP website. A team of 8 UCCE academics and staff put together the workbook which customizes Essential Facilitation to natural resource management issues. SNAMP Community Education Specialist Kim Ingram was the lead author.

It includes 17 modules written in a ‘train-the-trainer’ style. Lessons focus on framing a collaborative process by identifying project boundaries and constraints, analyzing stakeholders and developing specific desired outcomes. Modules on methods to hold effective meetings include content on developing effective agendas, process rules, and decision making, note taking, and evaluation and follow through. Group dynamics are addressed through identifying stages of discussion, thinking and learning styles and group development. Managing conflict is described through development of key agreements, dealing with difficult behaviors, and prevention and intervention methods.

In 2013 and 2014, we held five separate 12 hour training series, each followed by a 6 hour long follow up workshop about 6 months after the initial workshops totaling 18 hours of instruction. Workshops were held in 2013 in Auburn (Placer County), Oakhurst (Madera County), and Jackson (Amador County). 2014 workshops were held in South Lake Tahoe (El Dorado County) and Marysville (Yuba County). They were structured around participant input but also covered the standard curriculum in the workbook. Initial workshops included lecture, group discussion, group exercises, and role playing. Follow up workshops reviewed previous content, included a guest speaker and focused on role playing.

Outcomes/Impacts: A total of 115 staff from federal and state forestry, fire, wildlife and research agencies, local agencies and conservation and non-profit organizations attended the trainings. About 15% of were from federal agencies, 35% were from state agencies and 25% were from local agencies. 80% were female. About 90% of participants had facilitated some sort of meeting before the training although 64% had never had formal training before the workshop to do so.

Participants took pre and posttests asking them to agree or disagree with a series of outcome statements, choosing whether they strongly agreed, agreed, somewhat agreed or did not agree (scored 4, 3, 2, or 1). The biggest increases in agreement after the workshops were in agreement that they had a clear idea of what adaptive management is (+0.8 from 2.4 to 3.2) and that stakeholder participation is critical to it (up +0.5 from 3.1 to 3.6). Strong agreement became nearly unanimous that participants would be able to use what they learned in the workshops (agreement grew +0.5 from 3.3 to 3.8).

Increases of +0.4 were seen in understanding how to manage and frame collaborative processes. After the workshop, participants were more likely to agree it is useful to have an independent third party to facilitate controversial management processes (from 3.3 to 3.7) though the Forest Service is ultimately responsible for management decisions on Forest Service lands (from 2.5 to 2.9). Participants' comfort level with managing conflict grew (from 2.0 to 2.4). There was also growth in agreement (+.3) that better facilitation, when needed, can improve forest management (from 3.3 to 3.6) though it is not usually needed in all meetings between stakeholders and agencies about forest management (from 1.1 to 1.4).

4. Water management through forestry: I continued to participate in SWEEP, the Sierra Watershed Ecosystem Enhancement Project, funded through a UCANR Competitive Grant. We are in the 4th year of this project to develop a water and forest management experiment. The goal of the project is to understand the impacts on the water cycle of restoring forests to lower and more-sustainable densities, approaching those of 100 to 150 years ago. My role has been to assist with stakeholder involvement. We presented information on the project and sought input during the September 4th, 2014 SNAMP Water Team webinar and held a broader stakeholder meeting in December 2014. Kim Ingram also developed an annual newsletter for the project on modeling forest management scheduling and maintains the website (<http://ucanr.edu/sweep>). Dr. Kevin O'Hara at UC Berkeley is the PI, with collaborators Dr. Roger Bales at UC Merced and UCCE Extension Forestry Specialist Bill Stewart.

Outcomes/Impacts: We have not yet developed an on the ground study plan with a viable location but continue to work with the US Forest Service and Sierra Pacific Industries to develop a study site.

II. PROFESSIONAL COMPETENCE AND ACTIVITY

Professional Development and Competence: To improve my skills and knowledge, I attended conferences, trainings, and field trips this year including the Association of Natural Resource Extension Professionals bi-annual conference, the Society of American Foresters summer meeting, the Southern Sierra Prescribed Fire Council annual meeting, the Sierra Nevada Adaptive Management Project all scientists retreat, a Blodgett Forest field trip. A training that was particularly timely given the on-going drought was two day training in forest pest recognition and management hosted by the US Forest Service and CalFire. I also took the instructor's training for the new California naturalist program and for Project WILD. I also took two trainings for new academics including a virtual tour of the California water system and academic orientation.

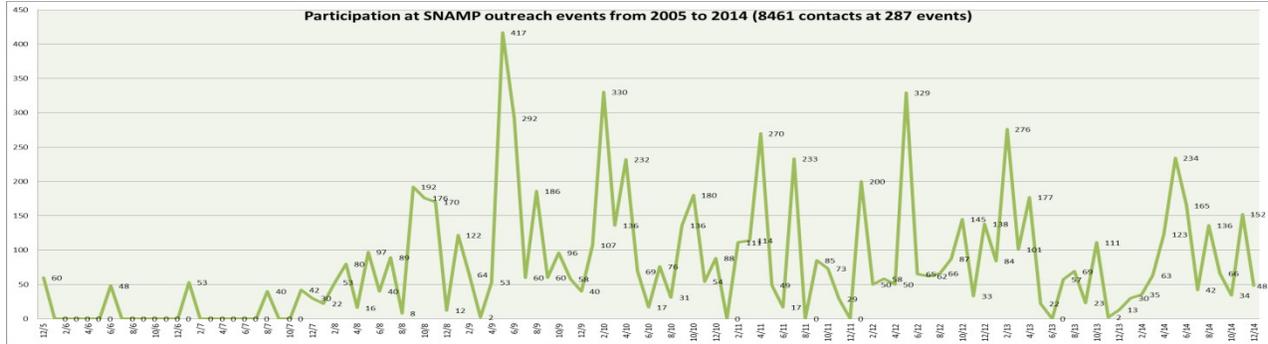
I maintained memberships in the Society of American Foresters and Association of Natural Resource Extension Professionals and gave talks at the ANREP and Ecological Society of America conferences. I served as a reviewer for multiple papers in the Journal of Forestry and Environmental Management.

III. UNIVERSITY AND PUBLIC SERVICE

During the review period I served the university by chairing a UCANR search committee to hire an Academic Coordinator for the new statewide IGIS program, helping hire and mentor the new California Fire Science Consortium coordinator, and serving on the steering committee for the pilot of the new Graduate Student in Extension program on the Berkeley campus. I also presented to the new University President and ANR Presidential Advisory Committee about the role of a UCCE advisor and continued to serve as a panel member of the Water Strategic Initiative. Public service highlights included serving on the steering committees for the Southern Sierra Prescribed Fire council and California Fire Science Consortium.

IV. AFFIRMATIVE ACTION

I continue to take affirmative action to reach underserved clientele. As coordinator of the SNAMP Public Participation Team, I develop annual work plans of outreach activities targeted at involving specific groups in national forest management issues. Our outreach team organized or participated in 38 events during the reporting period making 998 in person contacts. We have been tracking demographics of participants to attempt to increase participation to a wider audience. A crucial strategy is outreach presentations by Community Education Specialists Kim Ingram and Anne Lombardo to professional, environmental, local government, watershed, fire safe and tribal groups. This has led to increasing participation in the project over time by a wide variety of audiences. We have made at least 8,500 contacts at over 287 events since 2007.



V. SABBATICAL LEAVE PLAN AND REPORT

I hope to take a sabbatical leave in January 2016.

SECTION B-TABLES

I. PROJECT SUMMARY TABLE

Includes extension, research, and creative activity projects funded by grants and those supported by other various donors/gifts, in-kind support, and/or match.

Project Support Summary List October 1st 2013 – September 30th, 2014

<i>Project Title/ Duration</i>	<i>Role</i>	<i>Collaborators</i>	<i>Funding Source</i>	<i>Amount</i>
1. Sierra Nevada Adaptive	I serve as principal investigator for UCCE outreach for this 8 year \$13	Kim Rodrigues, Kim Ingram and Anne	US Forest Service Region 5, CA	

<i>Project Title/ Duration</i>	<i>Role</i>	<i>Collaborators</i>	<i>Funding Source</i>	<i>Amount</i>
Management Project 5/1/08-4/30/09 Y2 5/1/09-4/30/10 Y3 5/1/11-4/30/12 Y5 5/1/12-4/30/13 Y6 5/1/13-9/15/15 Y8	million study to evaluate effects of federal fuels treatment projects on fire, forest health, wildlife, water and communities. I supervise two community education specialists (each .5 FTE) that conduct outreach.	Lombardo, UC faculty including Scott Stephens, John Battles, Lynn Huntsinger, Roger Bales, & UCCE specialist Maggi Kelly	Dept. of Water Resources, University of California, Sierra Nevada Conservancy	\$161,668 \$140,596 \$129,812 \$103,074 \$70,245
2. Improving Dissemination of Fire Science through the California Fire Science Consortium 9/2009 to 12/2010 1/2011 to 6/2013 7/2013 to 6/2015	I received a subcontract from UC Berkeley to conduct needs assessments and then evaluation of the California Fire Science Consortium and to work with the WUI module on webcasts / events	Scott Stephens and Bill Stewart, UC Berkeley faculty professor, Yana Valachovic UCCE advisor	USDA and USDI Joint Fire Science Program	\$22,253 \$31,500 \$3,880
3. Angora fire recovery monitoring 7/2007 to 1/2015	I initiated the monitoring project which has been supported by the California Tahoe Conservancy funds and staff. I oversaw study design development, collected data and am the second author on the project report. We are currently collecting additional data	Richard Harris & Gary Nakamura UCCE specialists, Mike DeLasaux UCCE natural resource advisor, Daylin Wade, California Tahoe Conservancy	California Tahoe Conservancy in-kind, US Army Corps of Engineers	Equipment: \$12,750 In kind staff time: \$150,000 UCCE funds: \$5,000
4. California Naturalists in the Central Sierra 9/1/2013 – 12/31/2014 1/1/2015 – 8/30/2015	I wrote for two RREA grants to help implement the California Naturalist program in the Sierra Nevada leading to two trainings in Fall 2014.	Scott Oneto UCCE Advisor and Rebecca Miller Cripps and Kim Ingram UCCE Community Education specialists	Renewable Resources Extension Act	RREA: \$14,075 \$13,726 Fees collected: \$24,530
5. SWEEP - Effect of forest management on water yields and other ecosystem services in Sierra Nevada forests 1/2012 -7/2015	I developed the outreach section of this successful proposal and am coordinating stakeholder outreach for the project	John Battles & Kevin O'Hara UC Berkeley professors, Roger Bales UC Merced professor, Bill Stewart UCCE forestry specialist, Kim Ingram Program Representative	UC Competitive Grants program	\$45,000
6. UCCE Project Learning Tree coordination	Mike DeLasaux developed an agreement with CalFire to take over state coordination for the national PLT	Mike DeLasaux PI, , Sandy Derby	CalFire, statewide environmental education	(\$143,239)

<i>Project Title/ Duration</i>	<i>Role</i>	<i>Collaborators</i>	<i>Funding Source</i>	<i>Amount</i>
1-12/2013 Y1 1-12/2014 Y2 1-12/2015 Y3	program from CalFire when their coordinator retired. I am co-PI committed 5% to the effort. Mike does all day to day supervision of the program coordinator Sandy Derby hired in 2013.		providers – funds directed to Mike DeLasaux	(\$160,946) (\$168,000)
7. Sierra Nevada Forest Indicators project 4/1/-12/31/2013	I was contracted by the Sierra Nevada Conservancy to write their Forest Health and Carbon indicators report for the Sierra Nevada.	Steve Beckwitt – GIS Analyst for the SNC	Sierra Nevada Conservancy	\$7,800
8. Administrative support: UCCE in the Lake Tahoe Basin 9/2006 to present	I am afforded complimentary office space by the California Tahoe Conservancy	Bill Frost, UCCE REC director	CTC in-kind \$400/ month	\$38,400

II. EXTENSION ACTIVITIES

a. Meetings Organized (Classes/Short Courses/Demonstrations/Field Days/Other)

1. Forest Stewardship, A) Improving Web Access and Programming for UC Forestry Extension:

<i>Date</i>	<i>Meeting Name</i>	<i>Topic – attendance (repetitions)</i>	<i>Role</i>	<i>Location</i>	<i>#</i>
1/8/2014-3/5/2014	Reforestation and Afforestation Practices for California	1/8/2014 Introduction - 80 1/15/2014 Plant materials - 42 1/22/2014 Cone collection - 50 2/5/2014 Post fire - 62 2/12/2014 Reforestation of Burned Areas - 50 3/5/2104 Funding - 41 (6)	Helped organize the webinar, advertise and host most sessions for leads Mike DeLasaux and Richard Harris	online	322

B) Forest stewardship outreach to diverse clientele

<i>Date</i>	<i>Meeting Name</i>	<i>Topic/ repetitions</i>	<i>Role</i>	<i>Location(s)</i>	<i>#</i>
11/22/2013	Forestry, fire ecology, and defensible space training for the new Tahoe MG program	What Master Gardeners need to know (1)	Gave a presentation and had several activities	South Lake Tahoe, CA	12
6/2/2014	Wildfire Awareness presentations to 6th graders	Forestry and fire ecology, defensible space, living with fire (4)	I developed the schedule with teachers and other volunteers and gave presentations	South Lake Tahoe	103
4/14/2014-7/23/2014	Partnership interest meeting for the California Naturalist Program	How to get involved as a trainee, partner, host (3)	Wrote proposal to fund the program, worked with Community Education Specialist to develop agenda and host meetings	Sonora, Placerville, Arnold	30
7/14/2014	The Smiling Tree Symposium Master Gardener Presentations	Forestry, fire ecology, tree care (3)	Developed curriculum with MG co presenter and made joint presentations	South Lake Tahoe, Tahoe City and Incline Village	12
8/8/2014	Project Learning Tree workshop with a SNAMP theme	Environmental education curriculum for classroom and non-formal educators in forestry, fire, water, and society (1)	Organized workshop, outreach, flow and facilitated with Anne Lombardo	Sonora	15
7/29/2014	Roads day at UC Berkeley Forestry Camp	Issues with and how to manage, upgrade and decommission roads in California (1)	I made PowerPoint presentations in the am to forestry students, then led the field trip to look at these on roads near camp in Meadow Valley	Meadow Valley	38

2. Wildfire, A) Improving Fire Science Dissemination

<i>Date</i>	<i>Meeting Name</i>	<i>Topic/ repetitions</i>	<i>Role</i>	<i>Location(s)</i>	<i>#</i>
12/5/2013	"Experimentally Simulating Wind-Driven Firebrand Showers in Wildland-Urban Interface (WUI) Fires," with Sam Manzello of the National Institute of Standards and Technology.	Risk reduction for homes in WUI areas (1)	I hosted the webinar	online	22
12/10/2013-3/4/2014	12/10/2013 Rim Fire webinar - 80 03/04/2014 Black backed woodpecker - 42	Post fire management in the Rim fire (2)	I oriented speakers to the software, field questions and answers and co-hosted the webinars.	online	122

2. Wildfire B) Landscape Recovery after Wildfire:

<i>Date</i>	<i>Meeting Name</i>	<i>Topic/ repetitions</i>	<i>Role</i>	<i>Location(s)</i>	<i>#</i>
10/17/2013	Post fire workshop for forest land owners	What to do on land burned by the Rim fire for private landowners (about 8,000 acres is owned by family forest owners).	Organized, hosted / made presentation at the workshop	Groveland	70
4/22/2014	Wildfire and camps	How to reduce fire risk at outdoor camps (1)	Helped organize and host workshop	Groveland	70

3. Sierra Nevada Adaptive Management Project, A) Public Outreach and Coordination:

<i>Date</i>	<i>Meeting Name</i>	<i>Topic/ repetitions</i>	<i>Role</i>	<i>Location</i>	<i>#</i>
10/23/2013-9/4/2014	WEBINARS: October 23, 2013-Fisher Team April 2, 2014-Public Participation Team May 1, 2014-Spatial Team September 4, 2014 Water Team	Update on the status of the individual SNAMP teams and overview of research results (4)	Facilitated webinar, worked with Anne and Kim to establish agenda, advertise, work with teams, develop webinar notes and recordings	Online	113
5/15/2014 – 7/31/2014	SCIENCE INTEGRATION MEETINGS: May 15 th , 2014 Forest Team Sacramento -22 June 20 th , 2014 Owl Team Davis - 35 July 31 st , 2014, Fisher Team, Fresno - 42	Share research updates with stakeholders and facilitate a discussion on the envisioned structure, content and integration metrics of the each chapter of the final report. (3)	Organized meetings and facilitated with help of Anne and Kim (except Fisher meeting which Anne organized)	Sacramento, Davis, Fresno	99
6/19/2014	FIELD TRIP: Last Chance American Fire Field trip	The American River ranger district led a group of participants to the Last Chance site to view how the American Fire affected the fuels reduction project. UC Science Team members described effects on resources. (1)	Supervised Kim Ingram in organizing, advertising and hosting the field trip. Attended and took video clips. Developed treatment reaction survey with Adriana Sulak.	Foresthill	54

10/29/2013	PUBLIC MEETINGS: SNAMP annual meeting	The meeting was held to promote shared understanding of the current status of the SNAMP project and findings, present the plan for integration, final report, and meetings to stakeholders. (1)	I supervised Kim Ingram in developing the meeting, webcast and facilitated the day as well as presenting on the status of the public participation team. I worked with Kim to write up meeting notes.	Sacramento	71
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3. Sierra Nevada Adaptive Management Project, B) Facilitation Workshops and Curriculum:

<i>Date</i>	<i>Meeting Name</i>	<i>Topic/ repetitions</i>	<i>Role</i>	<i>Location(s)</i>	<i>#</i>
10/21/2013-6/23/2014	October 21, 2013 CAM follow up workshop, Oakhurst December 2, 2014 CAM ½ day workshop, Berkeley March 18, 2014 CAM workshop part 1, South Lake Tahoe March 26, 2014 CAM workshop follow up, Jackson April 23, 2014 CAM workshop part 2, South Lake Tahoe May 30, 2014 CAM workshop part 1, Marysville June 25, 2013 CAM workshop part 2, Marysville	How to better facilitate public involvement in adaptive management projects (7)	I worked with Kim Ingram and Anne Lombardo to develop, schedule, lead five of these workshops. Anne and Kim developed the logistics to organize and also presented at the workshop. They did the Marysville workshop on their own. The series has 18 hours instruction total.	Sierra Nevada	101
5/19/2014	Association of Natural Resource Extension Professionals biannual conference - workshop on civic engagement	How to incorporate civic engagement in cooperative extension (1)	I developed the workshop theme and submitted the proposal that was accepted by ANREP and cohosted and presented at the workshop with Holly George.	Sacramento	40

b. Educational Presentations (at events organized by others)

<i>Date</i>	<i>Meeting/Event Name</i>	<i>Presentation Topic/ repetitions</i>	<i>Location(s)</i>	<i>#</i>
1/23/2014	California Virtual Water Tour for new academics	I gave a speed talk on Civic Engagement in Natural Resource Management and SNAMP (1)	Davis	20
2/26/2014	Statewide Watershed Forum	I gave SNAMP outreach presentation about coordinating across scales and disciplines (1)	Riverside	35
9/16/2014	Second Farm Day, Tahoe Resource Conservation District	I gave 5 presentations on Forestry and fire ecology (5)	South Lake Tahoe, CA	103
9/30/2014	Third Amador County Farm Day, UCCE Scott Oneto	I gave a 7 presentations about Forestry and fire ecology (2)	Plymouth	246

Presentations by SNAMP Community Education Specialists Kim Ingram and Anne Lombardo

<i>Date</i>	<i>Meeting/Event Name</i>	<i>Presentation Topic/ repetitions</i>	<i>Location</i>	<i>#</i>
1/30/2014	Western Section of Wildlife Society	Anne gave SNAMP outreach presentation (1)	Reno	30
3/20/2014	Sacramento Audubon Society	Kim gave a SNAMP outreach presentation (1)	Sacramento	33
4/27/2014	Earth Day	Anne gave a SNAMP outreach presentation (1)	Oakhurst	25
5/5/2014- 8/28/2014	Road Scholars	Anne gave SNAMP outreach presentations (3)	Oakhurst	73
6/19/2014	Upper Merced River Watershed Council	Anne gave a SNAMP outreach presentation (1)	Midpines	25
6/26/2014	Nevada County Fire Safe Council	Kim gave a SNAMP outreach presentation (1)	Nevada City	13
8/27/2014	California Native Plant Society	Kim gave a SNAMP outreach presentation (1)	Nevada City	26
8/27/2014	Central Sierra Watershed Council	Anne gave a SNAMP outreach presentation (1)	Oakhurst	13
9/19/2014	Central Sierra Region Resource Cons. District	Kim gave a SNAMP outreach presentation (1)	Placerville	27

c. Other (websites, social marketing, blogs, collaborations with other agencies or organizations)

Date	Description	No. of Instances
6/14/2014	I recorded a 37 minute lecture for the California Institute for Water Resources called Wildfire and Droughts in Sierra Nevada forests as part of their Drought Resources collection. The lecture is posted on YouTube.	157 views
10/1/2013- 9/30/2014	Kim Ingram created and maintains the California Spotted Owl Information Repository http://ucanr.org/sites/spottedowl/ . I send content her way.	303 unique visitors this year
10/1/2013- 9/30/2014	Anne Lombardo created and maintains the Pacific Fisher Information Repository http://ucanr.org/sites/pacificfisher/ . I send content her way.	476 unique visitors this year
10/1/2013- 9/30/2014	I created and maintained the UC Forest Research and Outreach website http://ucanr.edu/forestry/	8,090 unique visitors this year
11/8/2013 2/27/2014 9/19/2014	Anne and Kim developed and I edited the blog submissions for these SNAMP related posts on the ANR green blog: http://ucanr.edu/blogs/Green/ <i>Generating energy from forest products</i> <i>What happens when a wildfire sweeps through your study area?</i> <i>Calendar with rare Pacific fisher photos available from UC Cooperative Extension</i>	3 posts
11/14/2013	<i>Cutting down a Christmas tree is sustainable family fun</i> by Jeannette Warnert featured Lynn Wunderlich and me about Christmas tree options.	1 post
10/1/2013- 9/30/2014	I repost content from other UC and related blogs that are related to forestry to the Forest Research and Outreach Blog on the UC Forest Research and Outreach website	12 posts
10/1/2013- 9/30/2014	I post on my work only Facebook page about natural resource topics.	235 posts, 109 'friends'
10/1/2013- 9/30/2014	I post on the Forest Research and Outreach, the California Fire Science Consortium, UC Central Sierra, and Living with Fire Facebook pages	243 likes 324 likes 194 likes 453 likes
10/1/2013- 9/30/2014	Twitter: I tweet as UCSierraforest about Sierra Nevada natural resources news and issues.	185 tweets 141 followers

SWEEP newsletter

d. Other (TV and/or radio interviews/programs, newspaper/trade magazine interviews)

<i>Date</i>	<i>Interviewed/Written by (optional)</i>	<i>Topic</i>	<i>Media/ Publication</i>
8/4/2014	In parched California, beware of humans near dry brush – Written by Peter Hecht, http://www.sacbee.com/news/state/california/fires/article2605746.html#storylink=cpy	Wildfire danger	Sacramento Bee
	King fire fully contained, fire recovery workshop set, Written by Cathy Locke http://www.sacbee.com/news/local/article2644608.html#storylink=cpy	Post fire recovery workshop	Sacramento Bee
12/30/2014	Reforestation webinar series press release	Reforestation in California	Mountain Democrat
8/1/2014	Radio Noticias: Prevenga incendios en su hogar, translated for the UCANR News in Spanish by Alberto Hauffen (951) 781-2124 http://ucanr.edu/sites/Spanish/Noticias/radio/?uid=5953&ds=199	Preventing fire around the house	UCANR Radio Noticias
9/10/2014	Blog Post by Maven covering the Wildfire and Droughts in Sierra Nevada forests video I did in June. http://mavensnotebook.com/2014/09/10/wildfire-and-droughts-in-sierra-nevada-forests/	Written version with screen shots of the video	Maven's Notebook website

III. PROFESSIONAL COMPETENCE AND ACTIVITY - Activities undertaken to improve my professional competence

a. Professional Development and Training

<i>Date</i>	<i>Location</i>	<i>Name and/or Description of Activity</i>
10/1/2013	Online	I participated in an International Extension Training webinar to learn more about international extension work.
10/10/2013	Sacramento	This 1 day conference provided a series of presentations illustrating the trajectory of 40 million acres of forest and woodlands and novel approaches being implemented to get ahead of challenges where no action approaches may not work. A series of case studies were presented on how hybrids of restoration ecology, silviculture, and conservation biology are being combined in innovative conservation strategies.
11/5/2013-11/6/2013	Clovis	Southern Sierra RX Fire Council meeting - Involved a full day workshop on prescribed fire in Yosemite and a full day field trip to Sequoia National Park to see effects of burning.
1/22/2014-1/23/2014	Davis	This 1.5 day workshop or Virtual Tour provided short presentations or Stops on the physical aspects and current issues for 16 regions as it relates to water in California. This workshop connected new hires, to develop collaborative relationships with peers.
3/14/2014	Sonora	I attended this tour of the Rim fire with permittees, Scott Oneto and Ken Tate to learn about effects of high severity fires on grazing
4/3/2014	South Lake Tahoe	I took a combined training on Project WET and Project WILD/WILD Aquatic. These are environmental education curricula designed for educators working with youth from K thru 12th grade.
4/29/2014-4/30/2014	Kearny	I took California naturalist instructors training so that I can serve as an instructor of record for the California Naturalist program.
5/2/2014	Sacramento	Fire Ecosystem Forest Management & Water Yield Symposium May 2, 2014 USFS Wildland Fire Training Center, McClellan, CA
5/6/2014-5/8/2014	Tucson, AZ	I attended the Annual Joint Fire Science Consortium meeting including training on completing activities, reporting and using social media. It included a field trip to the National Tree Ring Laboratory at the campus of the University of Arizona.
5/14/2014	Quintette	I attended this fieldtrip by the Cal Fire Science Consortium to learn about the research done for the Fire and Fire Surrogate Study at Blodgett Research Forest.
5/19/2014-5/22/2014	Sacramento	I attended the bi-annual conference in Sacramento of ANREP, the Association of Natural Resource Extension Professionals.
5/28/2014-	Redding	Forest Pest Recognition and Management Training offered by the USFS and CalFire covering

<i>Date</i>	<i>Location</i>	<i>Name and/or Description of Activity</i>
5/29/2014		major forest pest categories & complexes, and Site factor, bark beetles, woodborers, reproduction insects, defoliators, root Diseases, stem, dwarf Mistletoes, invasive Cankers and Rusts, abiotic Damage, animal Damage, Diplodia blight, Phellinus pini, White pine blister rust, Mountain pine beetle, Lodgepole pine dwarf mistletoe, Western gall rust, Indian paint fungus, True fir dwarf mistletoe/ Cytospora, Heterobasidion occidentale, Heterobasidion irregular, Western dwarf mistletoe, Jeffrey pine beetle, Elytroderma needle cast, Ips bark beetle, Western pine beetle, pineleaf scale, Western pineshoot
8/19/2014-8/21/2014	Kearny	Programmatic Orientation: All ANR academics hired in the past five years CE Advisors, CE Specialists, Academic Administrators, Academic Coordinators and AES faculty - objectives were to provide new academics with Introduction to the mission and programs , - Guidelines for roles and expectations to have a successful career, - Understanding of the resources available - Opportunity to form professional networks with colleagues
8/22/2014-8/23/2014	Sonora	SAF summer meeting and field tour of Rim fire
9/17/2014	Jackson	Non-violent communication training during UCCE Central Sierra staff meeting

b. Disciplinary Society / Prof. Associations

<i>Professional Society and Role</i>	<i>Membership/Meetings - Attended/Activities</i>
Society of American Foresters	I attended the two day summer meeting in Tuolumne August 22 nd and 23 rd on effects of large fires including a field trip to the Rim fire area.
Association of Natural Resource Extension Professionals	I attended the four day conference in Sacramento May 19 th to 23 rd , served on the planning committee and led a conference tour to the Mondavi Institute.

c. Evidence of Professional Competence

<i>Date</i>	<i>Location</i>	<i>Name and/or Description of Award, Recognition, Office or Activity</i>
5/15/2014	ANR News Releases	I was listed on news release of “University of California ANR wildfire experts” by Pamela Kan-Rice
5/19/2014	Association of Nat. Res. Ext. Professionals session	I gave a SNAMP presentation at the ANREP conference in Sacramento to 40 people (1)
8/13/2014	Ecological Society of America special session on SNAMP	I gave a talk about collaboration with the public on science communication (1) at the ESA conference in Sacramento to 60 people.
10/1/2013-9/30/2014	Peer reviewer	I acted as an anonymous peer review for one article from each of these journals in the review period: California Agriculture, Society and Natural Resources, Journal of Forestry

IV. UNIVERSITY AND PUBLIC SERVICE (county/local program, regional, state, national)

a. University Service

<i>Date</i>	<i>Activity</i>	<i>Org Level</i>	<i>Contribution and Leadership Role</i>
11/19/2013	President's Advisory Committee	University wide	I presented on what an advisor does to the first President's Advisory Council meeting with President Napolitano. I was asked to do this by Bill Frost.
1/1/2014-8/31/2014	UCANR IGIS Academic Coordinator Search Committee	Division wide	I was the Chair of the UCANR IGIS Academic Coordinator Search Committee charged with leading the committee through application collection, ranking phone and in person interviews and reporting to UCANR Academic Personnel Unit to complete the hire.

<i>Date</i>	<i>Activity</i>	<i>Org Level</i>	<i>Contribution and Leadership Role</i>
7/15/2014-ONGOING	Graduate Student in Extension Steering Committee	Region wide	I am a member of the Graduate Student in Extension Steering Committee for the pilot program on the UC Berkeley campus. I participate in phone calls to determine program process and priorities, review applications and help develop reporting systems. I respond to and talk to students looking for outreach project ideas and mentoring.
2/20/2014-ONGOING	California Fire Science Consortium mentoring	UC Berkeley campus	I was on the hiring committee for the new CFSC coordinator who started in May (Stacey Frederick) and continue to mentor her in outreach activities
2012 ONGOING	Water Initiative	University wide	Water Quality, Quantity and Security Initiative Panel Member
August 2014 ONGOING	Program Committee	University wide	I agreed to serve on the UCANR Program Committee
6/9/2014	Webinar host	University wide	I agreed to web cast and host the Forestry education webinar for ESPM faculty at UC Berkeley

b. Public Service

<i>Date</i>	<i>Activity</i>	<i>Org Level</i>	<i>Contribution and Leadership Role</i>
6/21/2010-ONGOING	El Dorado County Resource Advisory Committee	County	I was appointed by the U.S. Secretary of Agriculture as a representative for the public at large on the El Dorado County Resource Advisory Committee to give input to the El Dorado National Forest on how to spend Title II funds on forest projects.
2012 ONGOING	Southern Sierra Prescribed Fire Council	Region wide	I am a member of the steering committee for this relatively new prescribed fire council trying to increase the use of prescribed fire and continue to meet other challenges of implementation of prescribed fire by providing an open dialog between agencies, regulators, tribes, and the public.
2011 ONGOING	Sierra Nevada region - California Fire Science Consortium Advisory Committee	Region wide	I am a member of the advisory committee for this subsection of the CFSC to give input and assistance with outreach and education activities in the Sierra Nevada
2009 ONGOING	California Fire Science Consortium Advisory Committee	State wide	I am a member of the advisory committee for this subsection of the CFSC to give input and assistance with outreach and education activities in the Sierra Nevada

V. BIBLIOGRAPHY

<i>Publication Type</i>	<i>Bibliographic Citation</i>
Journal Article	Ingram, K.C. and S.D.Kocher. In press 2014. <i>Sierra Nevada Bioregional Overview</i> . UCANR 8,000 publication. <i>Overview of the Sierra Nevada bioregion to accompany the California Naturalist Handbook. (1st of a series to develop more specific overviews of each of the 11 bioregions in California for the California Naturalist program).</i>
Calendar	Lombardo, A.L. and S.D. Kocher. <i>The Pacific Fisher: Wildlife Research in the Sierra Nevada Mountains of California. An 18 month calendar.</i> http://ucanr.edu/blogs/blogcore/postdetail.cfm?postnum=15351 <i>I supervised Anne Lombardo as she developed the calendar and edited it.</i>

<i>Publication Type</i>	<i>Bibliographic Citation</i>
Curriculum	<p data-bbox="440 237 1451 373">University of California Cooperative Extension. January 2014. <i>“Facilitation Skills for a Collaborative Adaptive Management Process: A workbook to train natural resource managers and stakeholders in facilitation of collaborative projects.”</i> Available on line at http://snamp.cnr.berkeley.edu/documents/574/</p> <p data-bbox="440 415 1451 598"><i>Curriculum modules were developed by a team of UCCE professionals based on their experiences facilitating civic engagement in agriculture, natural resources, nutrition and youth development. Community Education Specialist Kim Ingram was the lead author. The following UCCE Staff made contributions to the modules in this workbook: • Jim Brenner • Susie Kocher • Anne Lombardo • Linda Manton • Shelley Murdock • Ellie Rilla • Kim Rodrigues • Katherine Webb-Martinez</i></p>