

**A. Title Page**

**Presentation(s) at the University Education in Natural Resources Conference  
Report in Fulfillment of a Professional Development Grant**

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**B. Restatement of problem researched, creative work, or professional enhancement opportunity.**

The principal investigator completed two presentations to the University Education in Natural Resources conference which took place in Fort Collins, Colorado March 22, 2012 through March 24, 2012. Funding was used to defray travel expenses. One of the presentations was a poster presentation; the other a speaking presentation. The poster was about ATU student assessment of what the students learned while participating in Russellville 5<sup>th</sup> grade camp. The other presentation was about the redesign of the Recreation and Park Administration internship program in response to new outcome based standards from the program's accrediting organization.

**C. Brief review of the professional enhancement opportunity, creative work, or research procedure.**

Through participation in this conference I was able to present a poster on our annual participation in the Russellville 5<sup>th</sup> grade camp. While putting together the poster I learned that it is best to finalize its design earlier than I did. Both of the large format printers on campus were out of one color of ink and so were unable to print the poster. The UPS Store was able to print the poster and provide a mailing tube for transportation at a cost of \$150.00 which was not part of the original grant request. People on campus who had the printers in their departments were helpful, they just didn't realize they were low on ink, which would not have been a problem if I had allowed more time. The poster was well received and provided me with some good feedback on how to improve the work.

The second presentation was part of a break-out session on service learning. It described the recently redesign of the internship course in recreation and park administration. In response to my observation that our students were having trouble fitting the pieces of our curriculum into a coherent whole, one of the participants, a recent graduate of CSU who was employed to concept map the conference, made the observation, that perhaps that was the real value of the internship; that the internship was where the students were going to work to synthesize the disparate parts of the curriculum into the whole and perhaps I should not have expected them to do this earlier. Upon reflection I had to agree that our internship course is a very good capstone experience where students should use information from previous courses to successfully complete what should be and is usually the last course before graduation.

**D. Summary of findings, outcomes, or experiences had.**

Through the support provided by the professional development grant I was able to attend the 9th biennial University Education in Natural Resources Conference March 21 through March 24, 2012. I used March 22 and March 25 as travel days as it takes several hours to travel between Russellville and Fort Collins, Colorado, the site of the conference, even using airlines. While there I attended several presentations. The two that I have talked about most since my return were two of the keynote addresses. The first was given by the new Dean of the Natural Resources School at Michigan Tech. He talked about trends in enrollment and how natural resource and environmental science programs have much larger enrollment growth than forestry and wood science. The second key note was provided by the head of Wyoming state parks. He talked about how he was able to be successful in his career, being a 1999 graduate of Colorado State University. He also talked about trends in society that are affecting state parks and conservation in general. Another presentation that stood out was a discussion of the new leadership program in the Warner School of Natural Resources at Colorado State. The program enrolls student cohorts into learning communities where the students study leadership and wind up with a project often in Mexico. As I have been on the peer review committee with the Center for Leadership and Learning on our campus, this program at CSU was of interest in that they were developing the scholarship of leadership in a natural resource context. The entire conference was first rate with very good speakers. 150 people attended from 46 institutions and three countries. I mostly attended those sessions that involved service learning and internship. The group that initiated the conference is composed of the forestry/natural resource programs at the nation's land grant universities and historically African-American universities.

**E. Conclusions and recommendations.**

The conference was a good learning experience and I am happy I was able to attend. The conference was focused on teaching and curriculum development in areas that are similar to the natural resource emphasis in the Recreation and Park Administration program. I recommend that other professors who teach in the natural resource area attend the conference. The conference selects the next host institution during the conference. Arkansas Tech may want to consider hosting the conference in the future.

**F. For the professional enhancement activity, some kind of documentation that the enhancement event occurred must be included.**

I have included the conference schedule. The web site for the conference can be found at: <http://uenr.warnercnr.colostate.edu/>

<b>Friday 3/23</b>	<i>Session 1</i>	<i>Session 2</i>	<i>Session 3</i>	<i>Session 4</i>
8:00	<i>Opening Remarks</i>			
9:00	Factors Influencing Undergraduate Enrollment Trends in Natural Resources: Terry Sharik 641			
9:30- 11:30	<b>Session 1 A</b>	<b>Session 1 B</b>	<b>Session 1 C</b>	<b>Session 1D</b>
	Innovations in Education 1	Organized Session: Reinventing our educational models to train the next generation of environmental leaders	Organized Session: Efforts to diversify undergraduate programs in forestry and natural resources: Successes and Challenges	The Natural Resources Student Pipeline
1	David Kulhavy 541	Goldstein, Finchum, Berry 130	Ed Jensen et al. 123	Brian Gates 598
2	Laura Dewald 600		Kevin Hunt 628	Shannon Fowler 540
3	Anne Axel 593	Organized Session: Kiernan Lindsay 576 Melhorn 630	Ed Jensen 635	Mark Wallace 632
4	Delwin Benson 612			William Doe 627
11:30- 1:00	Lunch and Poster Session			
1-3:00	<b>Session 2 A</b>	<b>Session 2 B</b>	<b>Session 2 C</b>	<b>Session 2D</b>
	Organized Session: Colorado State Forest Service providing education through outreach and experiential opportunities Jamie Dahl 139	New Distance Education Programs	Service Learning 1	Trends in Forestry accreditation
1	Jamie Dahl et al. 637	John Taylor 616	Philip Smartt 552	James Allen 589
2	Naomi Marcus 639 ;Lisa Mason 638	Michael Kanters 614	John Kidd 539	Bill Ricahrdson 606
3	CPAMT: International Protected Area Training Andrew Don Carlos 582	Peter Fix 618	Marc Stern 575	Siegrfried Lewark 581

				Piotr Paschalis- Jakubowicz 591
4	James Wurz 613		Chris Call 556	George Hess 578
3:15-5:15	<b>Session 3 A</b>	<b>Session 3 B</b>	<b>Session 3 C</b>	<b>Session 3D</b>
	Innovation in Field Instruction	GIS Session 1	Organized Session: The importance and value of Internships for undergraduate education Rich Etchberger 141	Innovations in Education 2
1	Wayde Morse 579	Joseph Berry 615	Rich Ectberger 536	Greg Newman 631
2	Lissy Goralnik 569	John Carr 596	Susan Rupp 568	Kimberly Cowgill 602
3	Jamie Dahl 550	Rob Porter 619	Paul Layden 640	Sara Rathburn 609
4	Elizabeth Dodson 604		Sam Riffell 577	Paul Layden 592
			Mark Wallace 573	
			Michael Butkus 590	
<b>Saturday 3/24</b>				
8:30-9:00	Dominic Bravo Wyoming State Parks			
9:00- 10:30	<b>Session 4 A</b>	<b>Session 4 B</b>	<b>Session 4C</b>	<b>Session 4D</b>
	International Resource Education	Virtual Classroom and Online Intruction	Assessment in Natural Resource Education	Accreditation Terry Sharik 642
1	Bobbi Kubish 588	Melissa Wuellner 586	John Bailey 611	
2	Sky Stephens 547	Russane Low 608	Debra Holman 555	
3	Craig Matisoff 571	Jeremy Stovall 570	Gary Bailey 549	
10:45- 12:15	<b>Session 5 A</b>	<b>Session 5 B</b>	<b>Session 5 C</b>	

	Using technology in the field and classroom	Service Learning 2	Minefields, turf wars, and creative curriculum revision: navigating and debating governance and bureaucracy to enhance natural resources students' curricula Marc Stern 145	
1	Zac Cole 560	John Seiler 601	Marc Stern	
2	Michael Marlow 585	Glen Bishop 543	John Ridley	
3	Barbara patterson 633	Roslynn Brain 544	Darrell Fontane	
1:15-2:45	<b>Session 6 A</b>	<b>Session 6 B</b>	<b>Session 6 C</b>	<b>Session 6 D</b>
	Sustainability: Twinning Management and Science			UENR Business Meeting
1	Robin Reid 566	Tom Siebert 625	Susanne Clement 572	
2	Lisa Mason 603	Pat Stephens Williams 610	David Anderson 626	
3	Donal Orth 594	Jessica Tomaszewski 587	Kimberly Coleman 621	
3:-5:00	<b>Section 7 A</b>	<b>Session 7 B</b>	<b>Session 7</b>	
	Goespatial Centroid	<b>TILT</b>		
1	Laituri	Deb Colbert		
2	Sophia Linn			
4:30-5:00	<b>CLOSING SESSION: ATRIUM</b>			