

U.S. Department of Agriculture <b>AD-421 Progress Report (investigator copy)</b> U.S. Dept. of Agriculture, State Agricultural Experiment Stations and Other Institutions			Date (Month, Day, Year)  04/04/2007
1. Accession  0203484	Agency Identification No.  2. CSREES 3. NC.Z	5. Work Unit/Project No.  <b>NCZ09455</b>	6. Status  <b>Progress</b>
7. Title  <b>Strengthening Global Competence of Students and Faculty Through Collaboration in Forestry</b>			
12. Investigator Name(s) (Last Name and Initials)  Sills, E. O.; Allen, H. L.; Frederick, D. J.; Moore, S. E.			
20. Termination Date 03/14/2009		40. Period Covered (mo/da/year): 06/30/2006 TO 12/31/2006	
Students Funded: 2		Faculty Hours Funded:	
41. Progress Report:  During this time period, there was significant faculty exchange and progress establishing the institutional framework for student exchange. The faculty exchange included visits to NC State University by the Dean of Forestry (Dr. Miguel Espinosa) at the Universidad de Concepcion and a key research collaborator (Dr. Pablo Donoso) from the Universidad Austral. From NC State University, Drs. Lee Allen, Erin Sills, Fred Cabbage, Phillip Dougherty and Subhrendu Pattanayak gave presentations at the Tercer Congreso Chileno de Ciencias Forestales in Concepcion. Drs. Allen, Sills, and Cabbage also met extensively with faculty from Concepcion to develop the exchange program for students, including identification of specific courses that could substitute across curricula and discussion of logistics such as living arrangements and travel. Drs. Cabbage, Pattanayak, and Sills participate in a public symposium on "Bosques, Ambiente, Economia y Sociedad." Drs. Sills and Pattanayak also gave presentations at a conference hosted by the Universidad Austral (Ecosystem Services in the Neotropics: State of the Art and Future Challenges), where Pattanayak was an invited keynote speaker. Following this conference, they met with faculty and the new dean of forestry at the Universidad Austral to plan future educational exchange and research collaboration.			
43. Publications  No Publications Reported			
Products  (1) Alvarez, Jose. 2006. Radiata Pine Responses to Early Cultural Treatment. Report to the Forest Nutrition Cooperative, NC State University. (2) Moore, S., E. Sills, H.L. Allen and D. Frederick. 2006. Globalizing Forestry Education through International Collaboration. Electronic proceedings of the Society of American Foresters 2006 National Convention, Pittsburgh, PA.			
Outcomes  (1) In November of 2006, the chancellors of NC State University and the Universidad de Concepcion signed a study abroad exchange agreement that had been catalyzed and facilitated by this grant. As part of the delegation from			

Concepcion that visited NC State to sign the agreement, Dr. Miguel Espinosa (Dean of the Forestry Faculty and Professor of Silviculture) and Dr. Sofia Valenzuela (Professor of Genetics and Biotechnology) also met with faculty and graduate students in the Department of Forestry and Environmental Resources. (2) Several prospective doctoral students have been attracted to the department due to this project. These include Jose Alvarez from Chile and Michelle Moorman, who has previous research experience in Chile.

#### Dissemination Activities

(1) The project was presented by Susan Moore and discussed at the Society of American Foresters Convention in October of 2006. (2) The project website was updated with additional information and links on Chilean forestry: <http://www.ces.ncsu.edu/nreos/forest/feop/Chile/index.htm> (3) Jose Alvarez, visiting scholar partially funded by the project, and Dr. Pablo Donoso, professor from Universidad Austral who visited NCSU with funding from the project, gave guest lectures in several courses in the Department of Forestry & Environmental Resources. (4) Dr. Pablo Donoso presented a departmental seminar on November 8, 2006 on Silviculture and Management of Native Forests of Chile.

#### Future Initiatives

(1) In March of 2007, two faculty and thirteen students from NC State University, 1 private forestry consultant from North Carolina, and several faculty and students from the University of Concepcion will participate in a study tour. The itinerary for this study tour has been developed and travel arrangements made for all participants. (2) PhD student Scott Sink will be working with Drs. Doug Frederick (NCSU) and Pablo Donoso (Universidad Austral) in the Llancahue Watershed Project in Valdivia in the summer of 2007. (3) Dr. Fred Cabbage plans to visit Chile with a travel grant from this project to build his collaborative research program on sustainable forest management and certification.

#### Impacts

As a result of the project, NC State University has established a broad agreement for student exchange with the Universidad de Concepcion, under which students will be able to study at the partner university while paying their home university's tuition and fees. To ensure that this provides a viable option to students, forestry faculty from both universities have identified specific courses that could substitute across curricula. One unique aspect of this agreement is that it encompasses both graduate and undergraduate students. Thus, students from North Carolina now have a financially and academically feasible option for study in Chile. In terms of research impacts, this project has catalyzed a number of new collaborations, including with the FORECOS Millennium Science Nucleus, funded by the Chilean government to pursue innovative research on ecosystem services. It has also solidified research collaborations that were already in place by helping to recruit new doctoral students who will pursue related topics for their dissertations at NC State.

Approved (Signature)	Title	Date

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