

FOR/RSCN/SOC 424: Community Forestry & Conservation
Spring 2009

Time: Tues and Thurs, 2:10-3:30 pm

Room: JRH 205

Co-Instructors:

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Office hours: Belsky (T/Th 12:45-2:00); Siebert (T/Th 11:30-1:00) or by appointment

Course Description:

Community forestry and conservation refer to a diverse array of practices in which forests are valued, used, managed and possibly owned by and for local communities. Some of these forest uses and systems are ancient, while others are recent; some have formed with government intervention while others have developed through the efforts of citizens, place-based conservation organizations and their allies in government and non-governmental organizations. While originating in the tropical south during the 1970s, community-based forestry and community-based natural resource management efforts are now found all over the world. In the United States, community-based forestry organizations and efforts have grown dramatically. Today, there are literally thousands of community-based conservation efforts underway around the world, operating in different social and ecological systems. As such, the term “community forestry” can be misleading entailing a diversity of country policies and experiences, involving highly divergent degrees of community participation, authority and distribution of benefits. Differences in the definition and outcomes of community forestry relate to culture, property and legal arrangements, governance and institutional arrangements, ecosystem characteristics and conditions, as well as conservation and economic strategies, values, markets and challenges. While growing strong in some contexts, the rise of community-based forestry and conservation more broadly has also generated debate over what it can and cannot achieve, and the conditions necessary to supporting it.

Our objectives in this course are to help you to understand:

- historical conditions and rationales for the development of community forestry and conservation;
- interaction of dynamic social and ecological systems, values, goods and services under different forest practices and systems;
- on-the-ground (comparative) experiences of community forestry and conservation initiatives, including the challenges of governance, multi-party collaboration, property and tenure arrangements, equitable access and distribution of benefits, environmental restoration, monitoring, scaling up and funding, and
- given these challenges, what role for community forestry and conservation in creating sustainable and resilient ecosystems and human communities? The latter is approached with great attention to global processes of climate change, financial crisis, shifts in U.S. leadership and global economic and development policy.

Course Format and Requirements: Our approach is interdisciplinary combining insights from the social and ecological sciences, and varied with regard to spatial (from local to global) and temporal (time) scales. To assist students we frequently provide (disciplinary) background and illustrate theoretical issues with case studies; we also mix our teaching strategies to include formal lectures/powerpoints, videos, class discussion and student (group) projects. Students are expected to complete all assigned readings and come to class prepared to discuss them. *Additional* readings are required for graduate students but motivated undergraduates are encouraged to read them as well. Grades are determined by demonstrated engagement with the material through class participation and performance on assignments. See the schedule below and let us know as soon as possible if you need an extension on an assignment or exam. Late assignments without prior approval from one of the instructors will lose credit.

Assignments

Due

% of Final Grade

Grading Scale

Attendance/Participation	throughout	5	93-100	A	78-79	C+
Quiz	2/12	10	90-92	A-	73-77	C
Exam #1	3/19	20	88-89	B+	70-72	C-
Exam #2	4/21	25	83-87	B	68-69	D+
Case Study Presentation	4/28-5/5	15	80-82	B-	63-67	D
Final Paper	5/12	25	60-62	D-	59-	below F

Total 100 %

Readings: There is one required course text (available for purchase at UM Bookstore):

Sturtevant, E.V. and E.M. Donoghue. (eds.). 2008. *Forest Community Connections: Implications for Research, Management and Governance*. Resources for the Future Press.

The remaining readings are available *electronically* through the internet at <http://eres.lib.umt.edu> with password FOR424 (all caps and no space in between). *Please download files in advance to avoid delays.*

Graduate Students: You may take this class for graduate credit. In addition to the required readings you are required to read *additional* readings (noted under required ones for each class) and be prepared to discuss them in class. On exams and in assignments, graduate students are expected to achieve a higher level of theoretical integration and sophistication than undergraduate students.

All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or a disciplinary sanction by the University. All students need to be familiar with the Student Conduct Code. The Code is available for review on line at: <http://www.umt.edu/SA/VPSA/index.cfm?page?1321>.

COURSE READINGS AND ASSIGNMENTS

1. Introduction and Historical Perspectives

Tues, 1/27 Introduction to the Course and to Community-Based Forestry and Conservation

DVD – Headwaters to a continent: Montana’s working watershed groups (25 min)

Thur, 1/29 Overview of Community Forestry

- Charnley, S. and M. Poe. 2007. Community forestry in theory and practice: where are we now? *Annual Review of Anthropology* 36:301–36.
- Belsky, Jill M. and Victoria Sturtevant. 2008. Community-based Forest Management. In: *Encyclopedia of Forests and Forestry in the Americas*. Retrieved from: <http://forestryencyclopedia.jot.com/WikiHome/Community-based%20Management>

Additional:

- Berkes, F. 2004. Rethinking community-based conservation. *Conservation Biology* 18:621-630.

Tues, 2/3 Historical Integrated Forest Systems (customary or *de facto* systems)

- Kuchli, C. 1997. *Forests of Hope: Stories of Regeneration*. New Society Publishers, Gabriola Island, BC, Canada. pp. 10-31 (Switzerland) and pp. 32- 51 (India)

Thur, 2/5 Legacies of Scientific Forestry

- Scott, J.C. 1998. Seeing Like a State. Yale University Press. Chap 1 (pp. 11-52)
- Fairfax, S. and L. Fortmann. 1990. American forestry professionalism in the Third World: Some preliminary observations. *Population and Environment* 11:259-272.
- MacKaye, B. 1918. Some social aspects of forest management. *Journal of Forestry* 16(2): 210-214.

Tues, 2/10 The Challenge of Local Tenure and Livelihood Security

DVD - 5 days in November/Cambodia

- Food and Agricultural Organization. 2007. Tenure security for better forestry: understanding forest tenure in South and Southeast Asia.
- Suzuki, R., P. Durst and T. Enters. 2007. Poverty Reduction in the Forestry Sector: Timber Harvesting and Wood Processing—the Answer to Rural Poverty? Proceedings: International Conference on Poverty Reduction and Forests, Bangkok. Downloaded Jan. 13, 2009 from http://recoftc.org/site/fileadmin/docs/Events/RRI_Conference/Proceedings/Paper_24_Shepherd_and_Blockhus.pdf

Thur, 2/12 Ecological Challenges and Opportunities

- Donovan, D.G. 2001. Where's the forestry in community forestry? Cultivating Forests: Alternative Forest Management Practices for Community Forestry. Downloaded Jan. 13, 2009 from http://recoftc.org/site/fileadmin/docs/publications/Seminar_Proceeding/Cultivating_Forests/Chapter_1/Donovan.pdf

Quiz

2. Community Forestry and Conservation in the South

Tues, 2/17 Comparative Examples of Social/Community Forestry Practices

- Rasul, G. and M. Karki. 2007. Participatory Forest Management in South Asia. International Center for Integrated Mountain Development (ICIMOD). Pp.1-31.
- Banerjee, A.K 2001. Foresters reaction to community forestry paradigms in selected countries http://recoftc.org/site/fileadmin/docs/publications/Seminar_Proceeding/Cultivating_Forests/Chapter_1/Banerjee.pdf
- *Review – don't copy.* Community Forestry Manual in Bhutan [An example of how one country moves from initiating to implementing community forestry programs]

Thur, 2/19 The Contested Role of Shifting Cultivation and Traditional Ecological Knowledge and Practice (TEKP)

- Kerkhoff, E. and E. Sharma. 2006. Debating Shifting Cultivation in the Eastern Himalayas. ICIMOD, Kathmandu. Exec. Summary & pp. 3-8.
- Sanchez, R. 1976. Properties and Management of Soils in the Tropics. John Wiley and Sons, NY. pp. 346-350 & 404-405.
- Berkes, F., J. Colding and C. Folke. 2000. Rediscovery of Traditional Ecological Knowledge as Adaptive Management. *Ecological Applications* 10(5):1251-1262.

Tues, 2/24 The “Major” Role of Non-Timber Forest Products (NTFPs)

- Kusters, K., et al. 2006. Balancing development and conservation? An assessment of livelihood and environmental outcomes of nontimber forest product trade in Asia, Africa and Latin America. *Ecology and Society* 11(2):20. (selected excerpts)
- Varghese, A. and T. Ticktin. 2008. Regional variation in non-timber forest product harvest strategies, trade and ecological impacts: the case of black dammar (*Canarium strictum* Roxb.) use and conservation in the Nilgiri Biosphere Reserve, India. *Ecology and Society* 13(2):11 (selected excerpts)

Thur, 2/26 Sustainable Timber Harvesting

- Bray, D., et al. 2003. Mexico's community-managed forests as a global model for sustainable landscapes. *Conservation Biology* 17:672-677.
- Bray, D. et al. 2008. Tropical deforestation, community forest, and protected areas in the Mayan forest. *Ecology and Society* 13(2):56
- Manivong, K and B. Muraille. 2001. Managing the forest with villagers: an experience from Dong Kapho State Production Forest in Savannakhet, Lao. PDR Downloaded Jan. 13, 2009 from http://recoftc.org/site/fileadmin/docs/publications/Seminar_Proceeding/Cultivating_Forests/Chapter_5/Manivong_Muraille.pdf

Tues, 3/3 Agroforestry Systems (*Permaculture*)

VCR: "Mayan Rainforest Farming"

- Kuchli, C. 1997. Forests of Hope: Stories of Regeneration. New Society Publishers, Gabriolo Island, BC, Canada. pp. 118-135. (Indonesia)
- Young, A. 1989. Agroforestry for Soil Conservation. CAB International, Wallingford, U.K. pp. 233-243.
- Fortmann, L. and D. Rocheleau. 1985. Women and agroforestry: four myths and three case studies. *Agroforestry Systems* 2:253-272.

Additional:

- Belsky, J. 1993. Household food security, farm trees and agroforestry: a comparative study in Indonesia and the Philippines. *Human Organization* 52:130-141.

Thur, 3/5 Shade Grown Coffee: Sustaining Forests and Local Livelihoods I [background/ecological]

- Dicum, G. and N. Luttinger. 1999. The Coffee Book. New York Press, NY. (excerpts)
- O'Brien, T. and M. Kinnaird. 2003. Caffeine and Conservation. *Science* 300:587.
- Perfecto, I.; R. Rice; R. Greenberg and M. Van der Voort. 1996. Shade coffee: a disappearing refuge for biodiversity. *BioScience* 46: 598-608.

Additional:

- Moguel, P. and V. Toledo. 1999. Biodiversity conservation in traditional coffee systems of Mexico. *Conservation Biology* 13: 11-21.
- Rice, F. 2008. Agricultural intensification within agroforestry: The case of coffee and wood products. *Agriculture, Ecosystems and Environment* 128:212-218.

Tues, 3/10 Shade Grown Coffee, cont. II [farmer/producer conditions]

DVD – Fighting the Tide: Developing Nations and Globalization (26 min)

- Philpott, S. and T. Dietsch. 2003. Coffee and conservation: a global context and the value of farmer involvement. *Conservation Biology* 17:1844-1846.
- Jaffee, D. 2007. Brewing Justice: Fair Trade Coffee, Sustainability and Survival. Univ of California Press. Pp. TBA

Thurs, 3/12 Shade Grown Coffee, cont. III [certification, political economy]

- Malkin, E. 2007. Certifying coffee aids farmers and forests in Chiapas. The New York Times, April 22.
- Giovannucci, D. and S Ponte. 2005. Standards as a new form of social contract? Sustainability initiatives in the coffee industry. Food Policy 30: 284-301.

Tues, 3/17 Summary of Coffee Section and Class Review**Thurs, 3/19 (Exam #1) – In class, Closed Book, We provide the paper!****3. Community Forestry & Conservation in the United States****Tues, 3/24 Communities and Community Forestry in the U.S.****Selection of student case study groups; begin collecting information**

- Sturtevant, E. and E. M. Donoghue, Chap 1 (pp.3-24) In: Sturtevant and Donoghue (2008) [introduction]
- McCarthy, J.M. 2005. Community-Based Forestry in the United States: Antecedents and New Directions. A US – Ford Foundation Community Forestry Pilot Projects New Directions.

Additional:

- *Review- don't copy:* Communities Committee. Community-based Forestry Survey Part I (2005) and II (2006). Downloaded Jan. 13, 2009 from <http://www.communitiescommittee.org/publications.html>

Thurs, 3/26 Rural Communities in Transition

- Kruger et al., Chap 7 (pps. 127-142) In: Sturtevant and Donoghue (2008) [amenity migration]
- Steelman, Chap 6. (pps 109-126) In: Sturtevant and Donoghue (2008) [wildfire policy]

Additional:

- *Review- don't copy:* Communities Committee et al., 2004. Preparing a community wildfire protection plan. Downloaded Jan 13, 2009 from: <http://www.communitiescommittee.org/pdfs/cwpphandbook.pdf>

Spring Break March 30-April 3 (Monday-Friday) – No class 3/31 & 4/2

Tues, 4/7 Making Community Forestry Pay

- Jones and Lynch., Chap 8 (pp. 143-161) In: Sturtevant and Donoghue (2008) [non-wood]
- Mooseley, Chap 9 (pps. 162-184) In: Sturtevant and Donoghue (2008) [job quality]

Additional:

- Nechodom et al., Chap 5 (pps. 91-108) In: Sturtevant and Donoghue (2008) [wood products]

Thur, 4/9 Community-Based Collaborative Management Institutions

- Danks, Chap 10 (pps. 185-204) In: Sturtevant and Donoghue (2008) [institutional arrangements]
- Moote Chap 13 (pps. 243-262) In: Sturtevant and Donoghue (2008) [collaboration]

Tues, 4/14 Private and Community-Owned Forests**DVD- Introduction to the Redwood Forest Foundation (15 min)**

- Bliss. Chap 11 (pps. 205-218) In: Sturtevant and Donoghue (2008) [family foresters]
- Belsky Chap 12 (pps. 219-242) In: Sturtevant and Donoghue (2008) [community forests], cont.

Additional:

- *Review- don't copy:* Communities Committee, 2008. Acquiring and managing a community-owned forest: a manual for communities. Downloaded Jan 13, 2009 from:
http://www.communitiescommittee.org/pdfs/Acquiring_and_Managing_a_Community-Owned_Forest.pdf

Thurs, 4/16 Assessment and Monitoring

- Sturtevant, E. and E. M. Donoghue, Chap 2 (pp.27-44) In: Sturtevant and Donoghue (2008) [social assessment]
- Charnley (chapter 3, pp. 45-65). In: Sturtevant and Donoghue (2008) [Socioeconomic Monitoring]

Additional:

- Communities and Civic/Participatory Science. Downloaded Jan. 13, 2009 from
http://www.communitiescommittee.org/pdfs/civic_science.pdf
- Arnold and Fernandez-Gimenez (chapter 4, pp. 66-87) In: Sturtevant and Donoghue (2008) [participatory research]

Tues, 4/21 Exam #2, In class, Closed Book, We provide the paper!

Thur, 4/23 In class time – student case study group preparation

Tentative: Field Trip, Saturday, 4/25 to Northwest Connections, Condon, MT
[Northwest Connections is a community-based forestry and educational center located on an historic homestead in Condon. We will provide more details later. If possible, please try and keep this day open].

5. Case Study Group Presentations

Tues, 4/28 Group 1

Thur, 4/30 Group 2

Tues, 5/5 Group 3

Thur, 5/7 Group 4

Final Paper Due: Tuesday 5/12 in plastic folder on Belsky's office door, Clapp Bldg (formerly Science Complex) Rm 465.