

SUPPLEMENTARY READINGS

Publications are grouped into 8 categories:

- Collective Action Theory
- Property Rights Theory
- Case studies: Collective Action and Property Rights
- Equity in NRM (see also Gender)
- Gender, Property Rights and Collective Action
- Action Research
- Methodologies: Operationalizing the framework

Note that all CAPRI publications (Working Papers, Briefs, Conference papers) can be downloaded at <http://www.capri.cgiar.org/>

Collective Action Theory

Baland, Jean-Marie and Jean-Philippe Platteau. 1996. *Halting Degradation of Natural Resources: Is There a Role for Rural Communities?* New Delhi: Oxford University Press.

Berkes, Fikret (ed.) 1989. *Common Property Resources: Ecology and Community-Based Sustainable Development*. London: Belhaven

Berkes, Fikret, David Feeny, Bonnie J. McCay and James M. Acheson. 1989. The Benefits of the Commons. *Nature*. 340 (6229): 91-93.

Blomquist, William 1992 *Dividing the Waters*. San Francisco: ICS Press.

Bromley, Daniel W. (ed) 1992. *Making the Commons Work: Theory, Practice and Policy*. San Francisco: Institute of Contemporary Studies Press.

Feeny, David, et al. 1990. The Tragedy of the Commons: Twenty-two Years Later. *Human Ecology* 18(1) 1-17.
[Provides a good overview of much of the CPR literature (with the approaches and concerns) from the 70s and 80s.]

Gibson, Clark C., Margaret A. McKean, and Elinor Ostrom, eds. 2000. *People and Forests: Communities, Institutions, and Governance*. Cambridge, MA: The MIT Press.

Johnson, N., H. Munk Ravnborg, O. Westermann and K. Probst (2001) User Participation in Watershed Management and Research. CAPRI Working Paper 19: 1-25.

Katon, Brenda, Anna Knox, and Ruth Meinzen-Dick. 2001. *Collective Action, Property Rights, and Devolution of Natural Resource Management*. CAPRI Policy Brief 2. Washington DC: IFPRI.

Knox, Anna, Brent Swallow and Nancy Johnson. 2001. Conceptual and Methodological Lessons for Improving Watershed Management and Research.. CAPRI Policy Brief 3. Washington DC: IFPRI.

Krishna, Anirudh. 2003. Understanding, measuring and utilizing social capital: Clarifying concepts and presenting a field application from India. CAPRI Working Paper 28. Washington DC: IFPRI.

Leach, M., R. Mearns and I. Scoones (1999) Environmental Entitlements: Dynamics and Institutions in Community-Based Natural Resource Management. *World Development* 27(2):225-247.

Maganga, F. P. 2003. The Interplay between Formal and Informal Systems of Managing Resource Conflicts: Some Evidence from South-Western Tanzania. In *Securing Land Rights in Africa*, London; Portland, OR: Frank Cass, in association with EADI, European Association of Development Research and Training Institutes, Bonn: pp. 51-70.

McCay, Bonnie J. 1993. Management Regimes, Property Rights and the Performance of Natural Resource Systems. Stockholm, Sweden: Beijer International Institute of Ecological Economics.

McCay, Bonnie J. and James Acheson. 1987. The Question of the Commons. Tucson: University of Arizona Press.

Meinzen-Dick, R., A. Knox, F. Place and B. Swallow (2002) *Innovation in Natural Resource Management: The Role of Property Rights and Collective Action in Developing Countries*. Baltimore: Johns Hopkins University Press

Mosse, David. 2003. *The rule of water : statecraft, ecology, and collective action in South India*. New Delhi;Oxford: Oxford University Press.

Munk-Ravnborg, H. (n.d.) Beyond the Farm and Within the Community: Issues of Collective Action in Participatory Natural Resource Management Research. Unpublished manuscript.

Ostrom, Elinor, Roy Gardner and James M. Walker. 1994. Rules, Games and Common-Pool Resources. Ann Arbor, Michigan: University of Michigan Press.
Chapter 2: Institutional Analysis and Common Pool Resources
[clear introduction to the foundations of CPRs and the application of a theoretical framework.]

Ostrom, Elinor. 1991. Governing the Commons: The Evolution of Institutions for Collective Action. Cambridge: Cambridge University Press.

Pandey, S. and G.N. Yadama (1990) Conditions for Local Level Community Forestry Action: A Theoretical Explanation. *Mountain Research and Development* 10(1):88-95.

Pinkerton, Evelyn. 1989. Co-Operative Management of Local Fisheries: New Directions for Improved Management and Community Development. Vancouver: University of British Columbia Press.

Rose, Carol. 1994. Property and Persuasion. Boulder: Westview Press.

Runge, Carlisle Ford. 1986. Common Property and Collective Action in Economic Development. *World Development*. 14 (5): 623-635.

Starn, Orin. 1992. I Dreamed of Foxes and Hawks. In Arturo Escobar and Sonia E. Alvarez (eds.) *The Making of Social Movements in Latin America*. Boulder: Westview Press.

Sengupta, Nirmal. 1991. *Managing Common Property*. New Delhi: Sage Publications.

Tang, Shui Yan. 1992. *Institutions and Collective Action: Self-Governance in Irrigation*. San Francisco: Institute of Contemporary Studies Press.

Thomson, James T. 1992. *A Framework for Analyzing Institutional Incentives in Community Forestry*. Rome: FAO.

Wade, Robert. 1994. *Village republics : Economic Conditions for Collective Action in South India*. San Francisco: Institute of Contemporary Studies Press.

Property Rights Theory

Benda-Beckmann, von Franz. 2000. Relative publics and property rights. A cross cultural perspective, in *Property and Values. Alternatives to Public and Private Ownership*. Edited by Charles Geisler and Gail Daneker, pp. 151-173. Washington, D.C.: Island Press.

Benda-Beckmann, von Franz and Keebet von Benda-Beckmann. 1999. A functional analysis of property rights, with special reference to Indonesia, in *Property Rights and Economic Development*. Edited by Toon van Meijl and Franz von Benda-Beckmann, pp.15-56. Kegan Paul International.

Bromley, Daniel W. 1991. *Environment and Economy: Property Rights and Public Policy*. Cambridge, Mass.: Blackwell.

[Chapter 2: *Property Rights and Property Regimes in Natural Resource Policy*]

Brouwer, Roland. 1992. The commons in Portugal. A story of static representations and dynamic social processes. In, F. von Benda-Beckmann and M. van der Velde (eds.), *Law as a Resource in Agrarian Struggle*. Wageningen: Agricultural University, Wageningen, pp. 127-148.

Hodgson, S. 2004. Land and Water – the rights interface. FAO Legal Papers Online 36. Food and Agriculture Organization, Rome. Available at <http://www.fao.org/legal/prs-ol/lpo36.pdf> (accessed Jan 3, 2004)

Meinzen-Dick, Ruth and Anna Knox. 1999. Collective Action, Property Rights, and Devolution of Natural Resource Management: A Conceptual Framework. In Ruth S. Meinzen-Dick, Anna Knox, and Monica Di Gregorio (eds.) *Collective Action, Property Rights, and Devolution of Natural Resource Management: Exchange of Knowledge and Implications for Policy*. Feldafing, Germany: Zentralstelle für Ernährung und Landwirtschaft. Available at http://www.capri.cgiar.org/pdf/devolution_meinzenknox.pdf

Otsuka, K. and F. Place. 2001. *Land Tenure and Natural Resource Management: A comparative study of agrarian communities in Asia and Africa*. Johns Hopkins University Press: Baltimore, USA and London, UK.

Platteau, Jean-Philippe (1996) The Evolutionary Theory of Land Rights as Applied to Sub-Saharan Africa: A Critical Assessment. *Development and Change* 27: 29-86.

Rocheleau, Diane and Edmunds, David (1997) Women, Men and Trees: Gender, Power and Property in Forest and Agrarian Landscapes. *World Development* 25(8): 1351-71.

Schlager, E. and Ostrom, E. 1992. Property-Rights Regimes and Natural Resources: A Conceptual Analysis. *Land Economics* 68(2), 249-62.

Shipton, Parker (1988) The Kenyan Land Tenure Reform: Misunderstandings in the Public Creation of Private Property. In Downs, R.E. and S.P. Reyna (eds.), *Land and Society in Contemporary Africa*. Hanover and London: University Press of New England, pp. 91-135.

Spiertz, Joep and Melanie Wiber (eds.). 1996. *The Role of Law in Natural Resource Management*. The Hague: Vuga.

Wiber, Melanie G. 1991 Levels of property rights, Levels of law: A case study from the Northern Philippines. *Man* 26(3): 469-492.

Case studies: Collective Action and Property Rights

General:

Admassie, Yeraswork (1999) Indigenous Common Property Resource Management: Cases from Wello and North Shewa. In A. Mekonnen and D. Aredo (eds), *Institutions, Resources and Development in Ethiopia: Proceedings of the 9th Annual Conference on the Ethiopian Economy*, Oct. 8-9, 1999. Addis: Ethiopian Economic Association and Department of Economics, Addis Ababa University.

Lanz, T.J. (1996) Environmental Degradation and Social Conflict in the Northern Highlands of Ethiopia: The Case of Tigray and Wollo Provinces. *Africa Today* 43(2): 157-182.

Orlove, Ben. 1991. Mapping Reeds and Reading Maps: The Politics of Representation in Lake Titicaca. *American Ethnologist* 18 (1):3-38

Forestry:

Agrawal, Arun and Elinor Ostrom. 1999. Collective Action, Property Rights, and Devolution of Forest and Protected Area Management. In Ruth S. Meinzen-Dick, Anna Knox, and Monica Di Gregorio (eds.) *Collective Action, Property Rights, and Devolution of Natural Resource Management: Exchange of Knowledge and Implications for Policy*. Feldafing, Germany: Zentralstelle für Ernährung und Landwirtschaft. Available at http://www.capri.cgiar.org/pdf/devolution_agrawal.pdf

Edmunds, D., and Wollenberg, E. 2003. *Local Forest Management: The Impacts of Devolution Policies*. Earthscan Publications, London.

Fortmann, L. and J.W. Bruce 1988. *Whose Trees? Proprietary Dimensions of Forestry*. Westview Press: Boulder CO, USA.

Gibson, C., M. McKean, and E. Ostrom. 2000. *People and Forests: Communities, Institutions, and Governance*. Cambridge and London: MIT Press.

Messerschmidt, Donald A., et al. 1993. Common Forest Resource Management: Annotated Bibliography of Asia, Africa, and Latin America. Rome: Food and Agriculture Organization of the United Nations.

[The regional summaries of concepts, issues, examples, and the annotations of core research works in the areas are very well done.]

Poteete, A. R., and E. Ostrom. 2004. "Heterogeneity, Group Size and Collective Action: The Role of Institutions in Forest Management." *Development and Change* 35 (3): 435-461.

Wily, L. (1997) Moving Forward in African Community Forestry: Trading Power, Not Use Rights. *Society & Natural Resources* 12:49-61.

Wollenberg, E., D. Edmunds, L. Buck, J. Fox, and S. Brodt. 2001. *Social Learning in Community Forestry*. Jakarta: CIFOR and East-West Center.

Fisheries:

Feeny, David. 1994. Frameworks for Understanding Resource Management on the Commons. Pp. 20-33. In R.S. Pomeroy ed. *Community Management and Common Property of Coastal Fisheries in Asia and the Pacific, Concepts, Methods and Experiences*. Manila: ICLARM.

Pomeroy, Robert S. 1999. Devolution and Fisheries Co-Management. In Ruth S. Meinzen-Dick, Anna Knox, and Monica Di Gregorio (eds.) *Collective Action, Property Rights, and Devolution of Natural Resource Management: Exchange of Knowledge and Implications for Policy*. Feldafing, Germany: Zentralstelle für Ernährung und Landwirtschaft. Available at http://www.capri.cgiar.org/pdf/devolution_pomeroy.pdf

Land:

Benda-Beckmann, von Franz. 2001 Between free riders and free raiders: property rights and soil degradation in context, in *Economic Policy and Sustainable Land Use. Recent Advances in Quantitative Analysis for Developing Countries*. Edited by Nico Heerink, Herman van Keulen and Marijke Kuiper, pp. 293-316. Physica-Verlag.

Benin, S. and J. Pender (2002) Impacts of Land Redistribution on Land Management and Productivity in the Ethiopian Highlands. *Socio-Economics and Policy Research Working Paper* 43, ILRI.

Bloch, Peter (1993) An Egalitarian Development Project in a Stratified Society: Who Ends Up with the Land? In T. Bassett and D. Crummey (eds), *Land in African Agrarian Systems*. Wisconsin: University of Wisconsin Press, pp. 222-46.

Chakravarty-Kaul, M. 1996. *Common lands and customary law: Institutional Change in North India over the Past Two Centuries*. Delhi: Oxford University Press.

Kebede, B. (2002) Land Tenure and Common Pool Resources in Rural Ethiopia: A Study Based on Fifteen Sites. *African Development Bank*, pp. 113-149.

Moore, Donald. 1993. Contesting Terrain in Zimbabwe's Eastern Highlands: Political Ecology, Peasant Resource Struggles and the Ethnography of the State. *Economic Geography* 69 (4) 380-401.

Van Donge, Jan Kees (1993) Legal Insecurity and Land Conflicts in Mgeta, Uluguru Mountains, Tanzania. *Africa* 63(2):196-218.

Verdery, Katherine. 1996. *What was Socialism, and What Comes Next?* Princeton University Press.

Chapter 6: The Elasticity of Land: Problem of Property Restitution in Transylvania. pp. 133-168.

Water/Irrigation

Bardhan Pranab and J. Dayton-Johnson. 2002. Unequal irrigators: Heterogeneity and commons management in large-scale multivariate research. In Ostrom E; Dietz T; Dolsak N; Stern PC; Stonich S; Weber EU eds. *The drama of the commons*. Washington, DC, USA: National Academy Press: 87 -112.

Bruns, Bryan Randolph and Ruth S. Meinzen-Dick (eds.). 2000. *Negotiating Water Rights*. New Delhi: Vistaar and London: Intermediate Technology Press.

Gulati, A., R. Meinzen-Dick, and K.V. Raju. 2005. *Institutional Reforms in Indian Irrigation*. New Delhi: Sage Publications.

Lam, Wai Fung. 1998. *Governing Irrigation Systems in Nepal: Institutions, Infrastructure, and Collective Action*. San Francisco: Institute for Contemporary Studies Press.

Vermillion, Douglas L. 1999. Property Rights and Collective Action in the Devolution of Irrigation System Management. In Ruth S. Meinzen-Dick, Anna Knox, and Monica Di Gregorio (eds.) *Collective Action, Property Rights, and Devolution of Natural Resource Management: Exchange of Knowledge and Implications for Policy*. Feldafing, Germany: Zentralstelle für Ernährung und Landwirtschaft. Available at http://www.capri.cgiar.org/pdf/devolution_vermillion.pdf

Watershed:

Farrington, J., C. Turton and A. J. James (eds.). 1999. *Participatory Watershed Development: Challenges for the twenty-first century*. New Delhi: Oxford University Press.

Gaspart, F., M. Jabbar, C. Melard and J.P. Platteau (1998) Participation in the Construction of a Local Public Good with Indivisibilities: An Application to Watershed Development in India. *Journal of African Economies* 7(2):157-184.

Knox, Anna and Subodh Gupta. 2000. CAPRI Technical Workshop on Watershed Management Institutions: A Summary Paper. CAPRI Working Paper 8. Washington DC: IFPRI.

Munk Ravnbord, H. and J.A. Ashby (1996) Organising for Local-Level Watershed Management: Lessons from Rio Cabuyal Watershed, Colombia. AgREN Network Paper 65, 14 pp.

Johnson, Nancy, Helle Munk Ravnborg, Olaf Westermann, and Kirsten Probst. 2001. User Participation in Watershed Management and Research. CAPRI Working Paper 19. Washington DC: IFPRI.

Wittayapak, C. and P. Dearden (1999) Decision-Making Arrangements in Community-Based Watershed Management in Northern Thailand. *Society & Natural Resources* 12:673-691.

Kerr, John. 2002. Watershed Development, Environmental Services, and Poverty Alleviation in India. *World Development*, Volume 30, Issue 8: 1387-1400.

Shah, Tushaar and K. V. Raju. 2001. Rethinking Rehabilitation: Socio-ecology of Tanks and Water Harvesting in Rajasthan, North-west India. CAPRI Working Paper 18. Washington DC: IFPRI.

Equity in NRM (see also Gender)

Ahluwalia, Meenakshi 1997. Representing communities: The case of a community-based watershed management project in Rajasthan, India. *IDS Bulletin* 28(4): 23.34.

Agrawal, A. and C.C. Gibson (1999) Enchantment and Disenchantment: The Role of Community in Natural Resource Conservation. *World Development* 27(4):629-649.

Boelens, R. and G. Davila. 1998. *Searching for Equity. Conceptions of Justice and Equity in Peasant Irrigation*. Assen: Van Gorcum.

Brosius, J.P., A.L. Tsing and C. Zerner (1998) Representing Communities: Histories and Politics of Community-Based Natural Resource Management. *Society and Natural Resources* 11:157-168.

Knox, A., B. Swallow and N. Johnson. 2001. Conceptual and Methodological Lessons for Improving Watershed Management and Research. CAPRI Policy Brief 3:1-4.

Madge, C. (1995) Ethnography and Agroforestry Research: A Case Study from the Gambia. *Agroforestry Systems* 32:127-146.

Shah, Amita (1998) Watershed Development Programmes in India: Emerging Issues for Environment-Development Perspectives. *Economic and Political Weekly*, June 27, 1998, A66-A78.

Tangka, F.K., R.D. Emerson and M.A. Jabbar (2002) Food Security Effects of Intensified Dairying: Evidence from the Ethiopian Highlands. *Socio-Economics and Policy Research Working Paper* 44, ILRI.

Gender, Property Rights and Collective Action

Agrawal, Arun. 2002. Common Resources and Institutional Sustainability. In Committee on the Human Dimensions of Global Change, Elinor Ostrom, Thomas Dietz, Nives Dolsak, Paul C. Stern, Susan Stonich, and Elke U. Weber (eds.) *The Drama of the Commons*. National Research Council. Washington, DC: National Academy Press, pp. 41-86.

Agarwal, Bina. 1994. *A field of One's Own: Gender and Land Rights in South Asia*. Cambridge: Cambridge University Press.

Benda-Beckmann, von Franz and Keebet von Benda-Beckmann. 2000. Gender and the multiple contingencies of water rights in Nepal. In, R. Pradhan, F. and K. von Benda-Beckmann (eds.), *Water, Land and Law*. Kathmandu/Wageningen/Rotterdam: FREEDEAL, WAU, EUR.

d'Souza, M. (1998) Watershed development—Creating space for women. AgREN Network Paper 88b, ODI.

Davison, Jean (1988) Who Owns What? Land Registration and Tensions in Gender Relations of Production in Kenya. In: J. Davison (ed.), *Agriculture, Women and Land: The African Experience*. Boulder: Westview Press, pp. 157-76.

Izumi, K. (1999) Liberalisation, Gender and the Land Question in Sub-Saharan Africa. *Gender and Development* 7(3):9-18.

Fortmann, L. and D. Rocheleau 1985. Women and agroforestry: Four myths and three case studies. *Agroforestry Systems* 2: 253–272.

Lastarria-Cornhiel, Susana (1997) Impact of Privatization on Gender and Property Rights in Africa. *World Development* 25(8):1317-33.

Lokur Pangare, V. (1998) Gender issues in watershed development and management in India. AgREN Network Paper 88a, ODI.

Kevane, M. and L. Gray (1999) Diminished Access, Diverted Exclusion: Women and Land Tenure in Sub-Saharan Africa. *African Studies Review* 42(2):15-39.

Schroeder, Richard. 1993. Shady Practice - Gender and the Political Ecology of Resource Stabilization in Gambian Garden Orchards. *Economic Geography* 69 (4):349-365.

Action Research

Dick, B. (2002) Action research: Action *and* Research. Paper presented at the seminar *Doing Good Action Research*, Southern Cross University, Monday February 18, 2002. Available at <http://www.scu.edu.au/schools/gcm/ar/arp/aandr.html> (last accessed January 18, 2005)

Hagmann, J. and E. Chuma (2000): Tying up loose ends: integrating soft and hard methodologies in NRM research and extension. In: Guijt, I., Berdegue, J., Loevinsohn, M. (eds): *Deepening the Basis of Rural Resource Management*. The Hague: ISNAR, pp. 109-121. Available at <http://www.cgiar.org/isnar/environment/nrm-basis.htm>

Long, N. (1992). From paradigm lost to paradigm regained: The case of actor-oriented sociology of development. Chapter 2. In: N. Long and A. Long eds. *Battlefields of Knowledge: the interlocking of theory and practice in social research and development*. London: Routledge, pp. 16-43.

Morgan, G., and R. Ramirez (1983) Action learning: a holographic metaphor for guiding social change. *Human Relations* 37(1):1-28.

Roling, N.G. (1996) Toward an Interactive Agricultural Science. *European Journal of Agricultural Education and Extension* 2(4):35-48.

Methodologies: Operationalizing the framework

Place, Frank, Gatarwa Kariuki, Justine Wangila, Patti Kristjanson, Adolf Makauki, and Jessica Ndubi. 2002. Assessing the Factors Underlying Differences in Group Performance: Methodological Issues and Empirical Findings from the Highlands of Central Kenya. *CAPRI Working Paper 25*. Washington DC: IFPRI. 2002.

Gebremedhin, Berhanu, John Pender and Girmay Tesfay. 2004. Collective action for grazing land management in crop–livestock mixed systems in the highlands of northern Ethiopia. *Agricultural Systems*, Vol. 82, Issue 3: 273-290.

Freudenberger, K.S. 1994. Tree and land tenure: Rapid appraisal tools. FAO Forests, Trees and People Programme and Network. Food and Agriculture Organization of the United Nations: Rome, Italy.

Gulati, Ashok, Ruth S. Meinzen-Dick, and K. V. Raju. 2004. *Institutional Reforms in Indian Irrigation*. New Delhi: Sage Publications.
[Chapters 6-8 and appendix]

Place, Frank and Brent Swallow. 2000. Assessing the Relationships Between Property Rights and Technology Adoption in Smallholder Agriculture: A Review of Issues and Empirical Methods. CAPRI Working Paper 2. Washington DC: IFPRI.

Websites:

The CAPRI website can be found at <http://www.capri.cgiar.org/>

FAO Participation Website: http://www.fao.org/Participation/ft_find.jsp contains a list and description of participatory tools and methods.