



PASTRES COURSE: FULL READING LISTS

In this document you will find a set of extended reading lists for the PASTRES course. Those highlighted with ** might be worth looking at first. Others are for your interest. As you will see the literature is biased towards Africa, reflecting the interests of the main lecturers.

This document accompanies the [PASTRES online course on Pastoralism and Uncertainty](#).

For more information about PASTRES, visit pastres.org

1. Debates in pastoral development: reflections (mostly) from Africa

Pastoralism 'paradigms' and development debates

Abbink, J., Askew, K., Feyissa Dori, D., Fratkin, E., Gabbert, E.C., Galaty, J. LaTosky, S., Lydall, J., Mahmoud, H.A., Markakis, J., Schlee, G., Strecker, I. and Turton, D. 2014. [Lands of the Future: transforming pastoral lands and livelihoods in eastern Africa](#). Max Planck Institute for Social Anthropology, Working Paper 154.

Catley, A. (2017). [Pathways to Resilience in Pastoralist Areas: A Synthesis of Research in the Horn of Africa](#). Boston: Feinstein International Center, Tufts University

Catley, A. Lind J. and Scoones I. (2012) eds. [Pastoralism and Development in Africa: Dynamic Change at the Margins](#). London: Earthscan/Routledge. See also: [The futures of pastoralism in the Horn of Africa: pathways of growth and change](#). *Rev Sci Tech*. 2016, 35(2):389-403**

Fratkin, E. & Mearns, R. (2003). Sustainability and Pastoral Livelihoods: Lessons from East African Maasai and Mongolia. *Human Organization*, 6(2): 112-122.

Fratkin, E. (1997). Pastoralism: Governance and development issues. *Annual Review of Anthropology* 26: 235-261.

Galvin, K.A., 2009. Transitions: pastoralists living with change. *Annual Review of Anthropology*, 38, pp.185-198.

Homewood, K. 2008 *Ecology of African Pastoralist Societies*. Oxford: James Currey; Athens: Ohio University Press

Kerven, C., Steimann, B., Dear, C. and Ashley, L., 2012. Researching the future of pastoralism in Central Asia's mountains: Examining development orthodoxies. *Mountain Research and Development*, 32(3), pp.368-377.

Krätli, S., Huelsebusch, C., Brooks, S. and Kaufmann, B., 2013. Pastoralism: A critical asset for food security under global climate change. *Animal frontiers*, 3(1), pp.42-50.

Little, P.D., McPeak, J., Barrett, C.B. and Kristjanson, P. (2008). Challenging orthodoxies: Understanding poverty in pastoral areas of East Africa. *Development and Change*, 39 (4): 587-611.

Mattalia, G., Volpato, G., Corvo, P. and Pieroni, A., 2018. Interstitial but Resilient: Nomadic Shepherds in Piedmont (Northwest Italy) Amidst Spatial and Social Marginalization. *Human Ecology*, 46(5), pp.747-757.

McPeak, J.G. and Little, P.D., 2017. Applying the concept of resilience to pastoralist household data. *Pastoralism*, 7(1), p.14.

Moritz, M., 2008. Competing paradigms in pastoral development? A perspective from the Far North of Cameroon. *World Development*, 36(11), pp.2243-2254.

Moritz, M., Kyle, B. R., Nolan, K., Patrick, S., Shaffer, M. F. and Thampy, G (2009) [Too Many People and Too Few Livestock in West Africa? An Evaluation of Sandford's Thesis](#), *Journal of Development Studies*, 45: 7, 1113 — 1133.**

Niamir-Fuller, M. and Turner, M.D. 1999. 'A review of recent literature on pastoralism and transhumance in Africa', in M. Niamir-Fuller (ed.), *Managing Mobility in African Rangelands: The Legitimization of Transhumance* (London: Intermediate Technology Publications): 18-46.

Randall, S., 2015. Where have all the nomads gone? Fifty years of statistical and demographic invisibilities of African mobile pastoralists. *Pastoralism*, 5(1), p.22.

Reid, R.S., Fernández-Giménez, M.E. and Galvin, K.A., 2014. [Dynamics and resilience of rangelands and pastoral peoples around the globe](#). *Annual Review of Environment and Resources*, vol 39, pp.217-242.**

Sandford, S. (2006) [Too Many People, Too Few Livestock: The Crisis Affecting Pastoralists in the Greater Horn of Africa](#). Future Agricultures Consortium e-debate. Brighton: Institute of Development Studies, University of Sussex. See also [the responses to this paper](#).

Scoones I ed. 1995 *Living with Uncertainty: New Directions in pastoralist Development in Africa*. London: Intermediate Technology Publications ([Chapter 1](#))

Turner, M.D., 2011. The new pastoral development paradigm: Engaging the realities of property institutions and livestock mobility in dryland Africa. *Society and natural resources*, 24(5), pp.469-484.

Changing pastoral systems

Berhanu, W., Colman, D. and Fayissa, B. (2007) 'Diversification and livelihood sustainability in a semi-arid environment: A case study from southern Ethiopia', *Journal of Development Studies*, 43: 5, 871—889

Dahl, G. and Hjort, A., 1976. *Having herds: pastoral herd growth and household economy*. Department of Social Anthropology, University of Stockholm.

Desti, Solomon and Coppock, D. Layne (2004) Pastoralism under Pressure: Tracking System Change in Southern Ethiopia. *Human Ecology*, Vol. 32, No. 4

Huysentruyt, M., Barrett, C., and McPeak, J. (2009) Understanding Declining Mobility and Inter-household Transfers among East African Pastoralists. *Economica*, 76, 315–336.

Krätli, S. and Schareika, N., 2010. Living off uncertainty: the intelligent animal production of dryland pastoralists. *The European Journal of Development Research*, 22(5), pp.605-622. **

Kratli, S. et al. (2015) [A House Full of Trap Doors](#). IIED Discussion Paper. London: IIED.

Lind, J., Sabates-Wheeler, R., Kohnstamm, S., Caravani, M., Eid, A., Manziolillo Nightingale, D. and Oringa, C., 2016. Changes in the drylands of Eastern Africa: implications for resilience-strengthening efforts. IDS: Brighton

Little, P., K. Smith, B. Cellarius, D. L. Coppock and C. Barrett (2001) Avoiding Disaster: Diversification and Risk Management among East African Herders. *Development and Change* Vol. 32 (2001), 40-433.

McCabe, J. Terrence; Leslie, Paul W. & DeLuca, Laura. (2010) 'Adopting Cultivation to Remain Pastoralists: The Diversification of Maasai Livelihoods in Northern Tanzania'. *Journal of Human Ecology* (2010) 38:321 – 334.

McPeak, J., Little, P.D., and Doss, C.R. (2012) *Risk and Social Change in an African Rural Economy*. Abingdon: Routledge.

Mosley, J. and Watson, E.E., 2016. Frontier transformations: development visions, spaces and processes in Northern Kenya and Southern Ethiopia. *Journal of Eastern African Studies*, 10(3), pp.452-475.

Muller-Mahn, D; Rettberg, S and Getachew, G. (2010) 'Pathways and Dead Ends of Pastoral Development among the Afar and Karrayu in Ethiopia'. *European Journal of Development Research* 22, 660–677.

Swallow B. M. (1994) *The role of mobility within the risk management strategies of pastoralists and agro-pastoralists*, Gatekeeper Series. London: International Institute for Environment and Development.

New development issues

Bilal, B (2015) Herding by mobile phone: technology, social networks and the “transformation” of pastoral herding in East Africa. *Human Ecology: an interdisciplinary journal*, 43 (1), 1-14

Bollig, M. and Lesorogol, C., 2016. The “new pastoral commons” of Eastern and Southern Africa. *International Journal of the Commons*, 10(2).

Dyer, C. (2010) 'Education and social (in)justice for mobile groups: re-framing rights and educational inclusion for Indian pastoralist children', *Educational Review*, 62: 3, 301 — 313

Krätli, S. (2008) Cattle breeding, complexity and mobility in structurally unpredictable environment: The WoDaabe herders of Niger. *Nomadic Peoples*, 12, Issue 1, 2008: 11–41

Schlee, G. (2013). Why states still destroy pastoralism and how they can learn that in their own interest they should not. *Nomadic Peoples*, 17(2), 6-19.

Upton, C., 2014. The new politics of pastoralism: identity, justice and global activism. *Geoforum*, 54, 207-216.

Livestock development and pastoralism ‘classics’

Galaty, J.G., Aronson, D., Salzman, P.C. and Chouinard, A., 1981. The future of pastoral peoples. In *Conference on the Future of Pastoral Peoples, Nairobi (Kenya), 4-8 Aug 1980*. Ottawa: IDRC.
Jahnke, H.E. and Jahnke, H.E., 1982. *Livestock production systems and livestock development in tropical Africa*. Kiel: Kieler Wissenschaftsverlag Vauk.

Monod, T., 1975. *Pastoralism in tropical Africa*.

Salzman, P.C., *Pastoralists: Equality, hierarchy, and the state*. Routledge.

Sandford, S. 1983. *Management of Pastoral Development in the Third World*, John Wiley and Sons, New York.

Steinfeld, H., Gerber, P., Wassenaar, T.D., Castel, V., Rosales, M., Rosales, M. and de Haan, C., 2006. *Livestock's long shadow: environmental issues and options*. Rome: FAO.

Steinfeld, H., Mooney, H.A., Schneider, F. and Neville, L.E. eds., 2013. *Livestock in a changing landscape, Volume 1: Drivers, consequences, and responses*. Island Press.

2. Debates in pastoral development: reflections from a global literature review

The following articles from different regions provide some insights into a global picture:

Central Asia

Yeh E.T, 2005. Green governmentality and pastoralism in Western China. *Nomadic Peoples* 9(1)

Nancy E. Levine, 1999. Cattle and the Cash Economy: Responses to Change Among Tibetan Nomadic Pastoralists in Sichuan, China. *Human Organization*: Summer 1999, Vol. 58, No. 2, pp. 161-172.

Kassam, K. S. 2010. Pluralism, resilience, and the ecology of survival: case studies from the Pamir Mountains of Afghanistan. *Ecology and Society* 15(2): 8

Sahel (in English)

Gonin Alexis, Gautier Denis, 2015. Shift in herders' territorialities from regional to local scale: the political ecology of pastoral herding in western Burkina Faso. *Pastoralism: Research, Policy and Practice* (2015) 5:7

Manoli et al., 2014. How do pastoral families combine livestock herds with other livelihood security means to survive? The case of the Ferlo area in Senegal. *Pastoralism: Research, Policy and Practice* 2014, 4:3

Turner Matthew D., 2011. The New Pastoral Development Paradigm: Engaging the Realities of Property Institutions and Livestock Mobility in Dryland Africa. *Society & Natural Resources. An International Journal*, 24:5, 469-484, DOI: 10.1080/08941920903236291

EUMED – Mediterranean EU (in English)

Feliu López-i-Gelats, 2013. Is Mountain Farming No Longer Viable? The Complex Dynamics of Farming Abandonment in the Pyrenees. In: S. Mann (ed.), *The Future of Mountain Agriculture*, Springer Geography, DOI: 10.1007/978-3-642-33584-6_7

Mattalia Giulia, Volpato Gabriele, Corvo Paolo, Pieroni Andrea, 2018. [Interstitial but Resilient: Nomadic Shepherds in Piedmont \(Northwest Italy\) Amidst Spatial and Social Marginalization](#). *Human Ecology*

Kerven and Behnke, 2011. Policies and practices of pastoralism in Europe. *Pastoralism: Research, Policy and Practice* 2011, 1:28

Greater Horn of Africa

Lind J et al., 2016. Changes in the drylands of eastern Africa: case studies of pastoralist systems in the region. IDS, 2016

Staro F., 2013. Water ownership as form of pastoral adaptation: the case of the Garriin southern Ethiopia. *Journal des anthropologues* n° 132-133

Hertkorn Marie-Luise, Roba Hassan and Kaufmann Brigitte, 2015. Caring for livestock. Borana women's perceptions of their changing role in livestock management in southern Ethiopia. *Nomadic People*

MENA Middle East and Northern Africa (in english)

Mahdi M., 2014. Between hope and disillusionment. The migration of nomadic pastoralists to Europe. In J. Gertel & S. R. Sippel (Eds.), *Seasonal workers in Mediterranean agriculture. The social costs of eating fresh* (pp. 211–221). London: Earthscan.

IFAD, 1995. Rangeland degradation and socio-economic changes among the Bedu of Jordan: results of the 1995 IFAD Survey. IFAD, Rome

Tag B., 2007. Social transformation and sedentarization in the Eastern Morocco steppes. In: Gertel Jörg and Breuer Ingo eds. *Pastoral Morocco: Globalizing Scapes of Mobility and Insecurity*. Reichert

3. What is uncertainty, and why does it matter?

Some basic readings

Stirling, A.C. (2018). 1.23 [Uncertainty](#).

Stirling, A.C. (2017) [Precautionary appraisal as a response to risk, uncertainty, ambiguity and ignorance](#). In: Spash, C.L. (ed.), *Routledge Handbook of Ecological Economics*, Chapter: 26. Oxford: Routledge. pp.267-277

Stirling, A.C. (2010) [Keep it complex](#). *Nature* 486(7327): 1029-31

Mehta, L., Leach, M., Newell, P., Scoones, I., Sivaramakrishnan, K. and Way, S.A. (1999) [Exploring Understandings of Institutions and Uncertainty: New Directions in Natural Resource Management](#). *IDS Discussion Paper 372*, IDS: Brighton.

Perhaps also dip into these:

Burgess, A. 2016. Introduction. In: Burgess, A., Alemanno, A. and Zinn, J. eds.. *Routledge Handbook of Risk Studies*. London: Routledge.

Wynne, B., 1992. Misunderstood misunderstanding: Social identities and public uptake of science. *Public Understanding of Science* 1, 281-304.

Wynne, B., 1992. Uncertainty and environmental learning: reconceiving science and policy in the preventive paradigm. *Global Environmental Change*, 2(2), pp.111-127. Or the longer chapter on the same case: Wynne, B., 1996. May the sheep safely graze. A reflexive view of the expert-lay knowledge divide. In: Lash et al. (eds.). *Risk, environment and modernity: Towards a new ecology*, p.44.

4. Uncertainty: thinking across fields

Financial networks: Haldane, A. G. (2009) [Rethinking the financial network](#)

Critical infrastructure: Roe, E., 2016. Policy messes and their management. *Policy Sciences*, 49(4), pp.351-372.

Emergencies and preparedness: Lakoff, A., 2007. Preparing for the next emergency. *Public Culture*, 19(2), p.247.

Disasters: Watts, M., 2016. Accumulating insecurity and manufacturing risk along the energy frontier. In *Risking Capitalism* (pp. 197-236). Emerald Group Publishing Limited.

5. Non-equilibrium environments, rangeland management and climate change

Non-equilibrium ecology and rangelands

Behnke R, Scoones I & Kerven C eds. 1993 [Range Ecology at Disequilibrium: New models of Natural Variability and Pastoral Adaptation in African Savannas](#). London: Overseas Development Institute. (See also: [Rethinking range ecology: implications for rangeland management in Africa](#). IIED Issue Paper, 1992) ** (Chapter 1)

Briske, D.D., Illius, A.W. and Anderies, J.M., 2017. Nonequilibrium ecology and resilience theory. In *Rangeland Systems* (pp. 197-227). Springer, Cham.

DeAngelis, D.L. and Waterhouse, J.C., 1987. Equilibrium and nonequilibrium concepts in ecological models. *Ecological monographs*, 57(1), pp.1-21.

Ellis, J. and Swift, D. 1988 'Stability of African Pastoral Systems: Alternative Paradigms and Implications for Development' *Journal of Range Management*, 41 (6): 450-459.

Engler, J.O. and von Wehrden, H., 2018. Global assessment of the non-equilibrium theory of rangelands: Revisited and refined. *Land Use Policy*, 70, pp.479-484.

Fernandez-Gimenez, M.E. and Allen-Diaz, B., 1999. Testing a non-equilibrium model of rangeland vegetation dynamics in Mongolia. *Journal of Applied Ecology*, 36(6), pp.871-885.

Illius, A.W. and O'Connor, T.G., 1999. On the relevance of nonequilibrium concepts to arid and semiarid grazing systems. *Ecological applications*, 9(3), pp.798-813.

Illius, A.W. and O'Connor, T.G., 2000. Resource heterogeneity and ungulate population dynamics. *Oikos*, 89(2), pp.283-294.

Kerven, C., 2004. The influence of cold temperatures and snowstorms on rangelands and livestock in northern Asia. *Rangelands at Equilibrium and Non-equilibrium*. (Ed. S. Vetter.) pp, pp.41-55. Cape Town: UWC, PLAAS

Scoones, I., 1991. Wetlands in drylands: key resources for agricultural and pastoral production in Africa. *Ambio*, pp.366-371.

Sullivan, S. and Rohde, R., 2002. On non-equilibrium in arid and semi-arid grazing systems. *Journal of Biogeography*, 29(12), pp.1595-1618.

Vetter, S., 2005. [Rangelands at equilibrium and non-equilibrium: recent developments in the debate.](#) *Journal of Arid Environments* 62(2), pp.321-341. **

von Wehrden, H., Hanspach, J., Kaczensky, P., Fischer, J. and Wesche, K., 2012. Global assessment of the non-equilibrium concept in rangelands. *Ecological Applications*, 22(2), pp.393-399.

Desertification and land degradation

Crummey, D. and Bassett, T.J. eds., 2003. *African savannas: global narratives & local knowledge of environmental change*. Oxford: James Currey.

Behnke, R. and Mortimore, M., eds. 2016. *The End of Desertification. Disputing Environmental Change* Springer

Brierley, C., Manning, K. and Maslin, M., 2018. Pastoralism may have delayed the end of the green Sahara. *Nature Communications*, 9(1), p.4018.

Ho, P., 2001. Rangeland degradation in north China revisited? A preliminary statistical analysis to validate non-equilibrium range ecology. *Journal of Development Studies*, 37(3), pp.99-133.

Hobbs, N.T, Galvin, K., Stokes, C., Lockett, J., Ash, A., Boone, R., Reid, R., and Thornton, P. (2008) Fragmentation of rangelands: Implications for humans, animals, and landscapes. *Global Environmental Change* 18 (2008) 776–785.

Jones, S., 2008. Political ecology and land degradation: How does the land lie 21 years after Blaikie and Brookfield's *Land Degradation and Society*? *Geography Compass*, 2(3), pp.671-694.

Rasmussen, K., Fog, B. and Madsen, J.E., 2001. Desertification in reverse? Observations from northern Burkina Faso. *Global Environmental Change*, 11(4), pp.271-282.

Swift, J., 1996. Desertification: narratives, winners & losers. *The Lie of the Land: Challenging received wisdom on the African environment*, pp.73-90. Oxford: James Currey **

Pastoralism, environmental variability and mobility

Butt, B., 2016. Ecology, mobility and labour: Dynamic pastoral herd management in an uncertain world. *Rev. Sci. Tech*, 35, pp.461-472.

Homewood, K. 2008 *Ecology of African Pastoralist Societies*. Oxford: James Currey.

Homewood, K. and Sullivan, S., 2017. On non-equilibrium and nomadism: Knowledge, diversity and global modernity in drylands. In *Food Sovereignty, Agroecology and Biocultural Diversity* (pp. 135-188). Routledge.

Krätli, S. and Schareika, N., 2010. Living off uncertainty: the intelligent animal production of dryland pastoralists. *The European Journal of Development Research*, 22(5), pp.605-622.

Li, Y. and Li, W., 2015. China's rangeland management policy debates: What have we learned?. *Rangeland ecology & management*, 68(4), pp.305-314.

Liao, C., Clark, P.E., DeGloria, S.D. and Barrett, C.B., 2017. Complexity in the spatial utilization of rangelands: Pastoral mobility in the Horn of Africa. *Applied Geography*, 86, pp.208-219.

Little, Peter D., Mahmoud, Hussein and Coppock, D. Layne (2001) 'When deserts flood: risk management and climatic processes among East African pastoralists'. *Climate Research* Vol. 19: 149–159, 2001

McAllister, R.R.J, Gordon, I.J., Janssen, M.A., and Abel, N. (2006) Pastoralists' Responses to Variation of Rangeland Resources in Time and Space. *Ecological Applications*, Vol. 16, No. 2 (Apr., 2006), pp. 572-583

Miller, BW; Leslie, PW; McCabe, J.T (2014) Coping with natural hazards in a conservation context : resource-use decisions of Maasai households during recent and historical droughts. *Human Ecology: an interdisciplinary journal* 42(5): 753-768

Unks, R.R., King, E.G., German, L.A., Wachira, N.P. and Nelson, D.R., 2018. Unevenness in scale mismatches: Institutional change, pastoralist livelihoods, and herding ecology in Laikipia, Kenya. *Geoforum*.

Western, D., Groom, R. Worden, J., (2009) The impact of subdivision and sedentarization of pastoral lands on wildlife in an African savanna ecosystem. Nairobi: International Livestock Research Institute. *Biological Conservation* 142 (2009) 2538–2546.

Climate change

Herrero, M., Addison, J., Bedelian, C., Carabine, E., Havlík, P., Henderson, B., van de Steeg, J. and Thornton, P.K., 2016. Climate change and pastoralism: impacts, consequences and adaptation. *Rev Sci Tech*, 35, pp.417-33. **

Jones, P.G., Thornton, P.K., Croppers to livestock keepers: livelihood transitions to 2050 in Africa due to climate change. *Environ. Sci. Policy* (2008), doi: 10.1016/j.envsci.2008.08.006

Thornton, P.K., Ericksen, P.J., Herrero, M. and Challinor, A.J., 2014. Climate variability and vulnerability to climate change: a review. *Global Change Biology*, 20(11), pp.3313-3328.

Thornton, P.K., Jones, P.G., Ericksen, P.J., and Challinor, A.J. (2011) Agriculture and food systems in sub-Saharan Africa in a 4°C+ world. *Philosophical Transactions of The Royal Society of Mathematical Physical and Engineering Sciences* (2011) 369, 117–136

Toulmin, C. 2009. *Climate Change in Africa*. London: Zed books.

Watson E., Kochore H., Dabasso B. 2016. Camels and Climate Resilience: Adaptation in Northern Kenya. *Human Ecology*, 44(6):701-13.

Policy processes

Davis, D.K., 2016. *The Arid Lands: history, power, knowledge*. MIT Press.

Keeley, J. and Scoones, I., 2003. *Understanding environmental policy processes: Cases from Africa*. Routledge.

Lave, R., Bassett, T., Mann, G., Robbins, P., Batterbury, S., Sayre, N.F. and Davis, D.K., 2019. The Arid Lands: History, Power, Knowledge. Diana K. Davis; The Politics of Scale: A History of Rangeland Science. Nathan F. Sayre. *The AAG Review of Books*, 7(1), pp.35-46.

Sayre, N.F., 2017. *The Politics of Scale: A history of rangeland science*. University of Chicago Press.

6. Livestock production, feeding and disease

Part 1: Production

Dahl Gudrun, Hjort Anders, 1976. [Having Herds: Pastoral Herd Growth and Household Economy](#). Stockholm: Stockholm Studies in Social Anthropology.

[Yak International Conferences](#) – proceedings of international conferences

[ISOCARD International Camel Society](#) – proceedings of international conferences

[CIHEAM FAO network on small ruminants](#) – proceedings of international conferences

Bourbouze A., et al., 1983. The role of goats in the Mediterranean area. *Livestock Production Science*, 10 (1983) 569—587.

Udo Hoeggel F. et al., 2015. [Sustainable Livestock Production? Industrial Agriculture versus Pastoralism](#). CDE Policy Brief. Bern: CDE.

Part 2: Feeding

Porqueddu C, Melis RAM, Franca A, Sanna F, Hadjigeorgiou I, Casasús I (2017) [The role of grasslands in the less favoured areas of Mediterranean Europe](#). *Grassl. Sci. Eur.* 22:3–22

Porqueddu C., Ates S., Louhaichi M., Kyriazopoulos A. P., Moreno G., del Pozo A., Ovalle C., Ewing M. A. and Nichols P.G.H. (2016) [Grasslands in 'Old World' and 'New World' Mediterranean-climate zones: past trends, current status and future research priorities](#). *Grass and Forage Science* 71: 1-35.

Porqueddu C., 2008. Low-input farming systems in southern Europe: the role of grasslands for sustainable livestock production. In: Biala K., Terres J.M., Pointereau P. and Paracchini M.L. (eds.) Proceedings of the JRC Summer University on 'Low input farming systems: an opportunity to develop sustainable agriculture', Ronco (Italy) 2–5 July 2007, pp. 52–58.

Caballero, R., Fernandez-Gonzalez, F., Molle, G., Roggero, P.P., Bagella, S., D'Ottavio, P., Papanastasis, V.P., Fotidias, G., Sidiropoulou, A., Ispikoudis, I. 2009. [Grazing systems and biodiversity in Mediterranean areas: Spain, Italy and Greece](#). *Pastos* XXXIX: 154.

Pulina G., Editor, and Bencini R , 2004. Dairy sheep nutrition”, Technical Reader (2004). CABI Publishing, Wallingford, UK 222 pp. ISBN 0 85199 681 7.

Furesi, R., Madau, F.A., Pulina, P., 2013. Technical efficiency in the sheep dairy industry: an application on the Sardinian (Italy) sector. *Agricultural and Food Economics*, 1:4.

Part 3: Disease

Bett, B., Jost, C., Allport, R. and Mariner, J., 2009. [Using participatory epidemiological techniques to estimate the relative incidence and impact on livelihoods of livestock diseases amongst nomadic pastoralists in Turkana South District, Kenya](#). *Preventive Veterinary Medicine*, 90(3-4): 194-203. (Provides a starting point to think about disease surveillance and local perceptions)

Catley A., Leyland T., Mariner J.C., Akabwai D.M.O., Admassu B., Asfaw W., Bekele G. & Hassan H.Sh. 2004. [Para-veterinary professionals and the development of quality, self-sustaining community-based services](#). *Sci. Tech. Off. Int. Epiz.* 23(1): 225-252. (Introduces CAHWs and local veterinary provision in livestock health)

Macpherson, C., 1995. The effect of transhumance on the epidemiology of animal diseases. *Preventive Veterinary Medicine*, 25(2), pp.213-224 (This is an older text but introduces some key concepts around pastoralist disease contexts)

Martin, M., Mathias, E. and McCorkle, C.M., 2001. *Ethnoveterinary medicine: an annotated bibliography of community animal healthcare*. ITDG publishing. (Less vital but often interesting for linking social science into orthodox western veterinary medicine)

And you may wish to look up prevalence in your areas:

[OIE World Animal Health Information Database \(WAHIS\) Interface](#)

7. Land and property in pastoral areas

Land and authority

Berry, S (2017): Struggles over land and authority in Africa. *African Studies Review*,

Berry, S., 1989. Social institutions and access to resources. *Africa*, 59(1), pp.41-55.

Berry, S., 2018. [Who Owns The Land? Social Relations and Conflict over Resources in Africa](#). GLOCON Working Paper 7.

Boone, C., 2014. *Property and political order in Africa: Land rights and the structure of politics*. Cambridge University Press.

Herrera, P.M., Davies, J. and Baena, P.M. eds., 2014. *The governance of rangelands: Collective action for sustainable pastoralism*. Routledge.

Lund, C. and Boone, C., 2013. [Introduction: land politics in Africa—constituting authority over territory, property and persons](#). *Africa*, 83(1): 1-13.

Lund, C., 2008. *Local politics and the dynamics of property in Africa*. Cambridge University Press.

Lund, C., 2011. Property and citizenship: conceptually connecting land rights and belonging in Africa. *Africa Spectrum*, 46(3), pp.71-75.

Lund, C., 2016. [Rule and rupture: state formation through the production of property and citizenship](#). *Development and Change*, 47(6): 1199-1228.

Mamdani, M. (1996) *Citizen and Subject. Contemporary Africa and the Legacy of Late Colonialism*.

Peluso, N.L. and Lund, C., 2011. [New frontiers of land control: Introduction](#). *Journal of Peasant Studies*, 38(4): 667-681. **

Peters, P.E., 2004. [Inequality and social conflict over land in Africa](#). *Journal of Agrarian Change*, 4: 269-314. **

Ribot, J. and N.L. Peluso. 2003. [A theory of access](#). *Rural Sociology*, 68(2): 153–81.

Sikor, T. and Lund, C. eds., 2010. *The politics of possession: Property, authority, and access to natural resources*. John Wiley & Sons.

Sikor, T. and Lund, C., 2009. [Access and property: a question of power and authority](#). *Development and Change*, 40(1): 1-22. **

Land tenure

Behnke, R., 2018. Open access and the sovereign commons: A political ecology of pastoral land tenure. *Land Use Policy*, 76, pp.708-718. **

Benjaminsen, T.A., Holden, S., Lund, C. and Sjaastad, E., 2009. Formalisation of land rights: Some empirical evidence from Mali, Niger and South Africa. *Land use policy*, 26(1), pp.28-35.

Chimhowu, A. and Woodhouse, P., 2006. Customary vs private property rights? Dynamics and trajectories of vernacular land markets in Sub-Saharan Africa. *Journal of Agrarian Change*, 6(3), pp.346-371.

Cotula, L., Toulmin, C. and Hesse, C., 2004. *Land tenure and administration in Africa: lessons of experience and emerging issues*. London: International Institute for Environment and Development.

Cousins, B., 2007. More than socially embedded: The distinctive character of 'communal tenure' regimes in South Africa and its implications for land policy. *Journal of Agrarian Change*, 7(3), pp.281-315.

Feder, G and Feeny, D (1991): Land tenure and property rights: theory and implications for development policy, in: World Bank Economic Review, 5 (1), 135-

Hardin, G., 1968. The tragedy of the commons. *Science*, 162(3859), pp.1243-1248.

Lane, C. and Moorehead, R., 1995. New directions in rangeland and resource tenure and policy. *Living with uncertainty: New directions in pastoral development in Africa*, pp.116-133.

Moritz, M., 2016. [Open property regimes](#). *International Journal of the Commons*, 10(2).

Moritz, M., Behnke, R., Beitzl, C.M., Bird, R.B., Chiaravalloti, R.M., Clark, J.K., Crabtree, S.A., Downey, S.S., Hamilton, I.M., Phang, S.C. and Scholte, P., 2018. [Emergent sustainability in open property regimes](#). *Proceedings of the National Academy of Sciences*, 115(51): 12859-12867.

Moritz, M., Scholte, P., Hamilton, I.M. and Kari, S., 2013. Open access, open systems: pastoral management of common-pool resources in the Chad Basin. *Human Ecology*, 41(3), pp.351-365.

Ostrom, E., 2015. *Governing the commons*. Cambridge University Press.

Peters, P.E., 2009. Challenges in land tenure and land reform in Africa: Anthropological contributions. *World Development*, 37(8), pp.1317-1325.

Place, F. and Hazell, P., 1993. Productivity effects of indigenous land tenure systems in sub-Saharan Africa. *American journal of agricultural economics*, 75(1), pp.10-19.

Land policies and pastoral land use

Amanor, K., 2018. Markets, Politics and Land Administrative Reform in Africa: What can African Studies contribute? *Frontiers of African Studies*.

Bassett, T.J. and Crummey, D., 1993. *Land in African agrarian systems*. University of Wisconsin Press.

Bassett, T.J., 1988. The political ecology of Peasant-Herder conflicts in the northern ivory coast. *Annals of the association of American Geographers*, 78(3), pp.453-472.

Fernandez-Gimenez, M.E., 2002. Spatial and social boundaries and the paradox of pastoral land tenure: a case study from postsocialist Mongolia. *Human ecology*, 30(1), pp.49-78.

Flintan, Fiona (2010) 'Sitting at the table: security benefits for pastoral women from land tenure reform in Ethiopia', *Journal of Eastern African Studies*, 4:1, 153 - 178

Gongbuzeren, Huntsinger, L. and Li, W., 2018. Rebuilding pastoral social-ecological resilience on the Qinghai-Tibetan Plateau in response to changes in policy, economics, and climate. *Ecology and Society*, 23(2).

Kerven, C., Alimaev, I.I., Behnke, R., Davidson, G., Franchois, L., Malmakov, N., Mathijs, E., Smailov, A., Temirbekov, S. and Wright, I., 2004. Retraction and expansion of flock mobility in Central Asia: costs and consequences. *African Journal of Range and Forage Science*, 21(3), pp.159-169.

8. Land, investment and territory

Bebbington, A., Abdulai, A.G., Bebbington, D.H., Hinfelaar, M. and Sanborn, C. 2018. *Governing Extractive Industries: Politics, Histories, Ideas*. Oxford: Oxford University Press.

Bebbington, A., Sauls, L., Rosa, H., Fash, B. and Bebbington, D.H. 2018. Conflicts over Extractivist Policy and the Forest Frontier in Central America. *European Review of Latin American and Caribbean Studies*.

Borras, S.M., Hall, R., Scoones, I., White, B., and Wolford, W. 2011. [Towards a better understanding of global land grabbing: an editorial introduction](#). *Journal of Peasant Studies*, 38(2): 209-216.

Cormack, Z. and Kurewa, A. 2018. [The changing value of land in Northern Kenya: the case of Lake Turkana Wind Power](#), *Critical African Studies* 10(1): 89-107.

Côte, M. and Korf, B. 2018. [Making concessions: Extractive enclaves, entangled capitalism and regulative pluralism at the gold mining frontier in Burkina Faso](#), *World Development* 101: 466-476.

Das, V. and D. Poole (eds.) 2004. *Anthropology in the Margins of the State*. Santa Fe, NM: School of American Research Press; Oxford: James Currey

Engel, U., Boeckler, M. and Müller-Mahn, D. 2018. *Spatial Practices: Territory, Border and Infrastructure in Africa*. Leiden: Brill.

- Enns, C. and Bersaglio, B. 2015. 'Enclave oil development and the rearticulation of citizenship in Turkana, Kenya: Exploring "crude citizenship".' *Geoforum* 67: pp. 78-88.
- Fairhead, J., Leach, M., and Scoones, I. 2012. [Green Grabbing: a new appropriation of nature?](#) *Journal of Peasant Studies*, 39(2): 237-261.
- Ferguson, J. 2005. [Seeing like an oil company: space, security, and global capital in neoliberal Africa.](#) *American Anthropologist*, 107: 377-382.
- Galaty, J.G. 2013. 'The Collapsing Platform for Pastoralism: Land Sales and Land Loss in Kajiado County, Kenya.' *Nomadic Peoples* 17 (2): pp. 20-39.
- Galaty, J.G. 2014. "'Unused' Land and Unfulfilled Promises: Justifications for Displacing Communities in East Africa." *Nomadic Peoples* 18 (1): pp. 80-93.
- Gebresenbet, F. 2016. '[Land acquisitions, the politics of dispossession, and state-remaking in Gambella, Western Ethiopia.](#)' *Africa Spectrum*, 51(1): 5-28.
- Greiner, C. 2016. 'Land-use Change, Territorial Restructuring, and the Economies of Anticipation in Dryland Kenya.' *Journal of Eastern African Studies* 10 (3): 530-547.
- Hagmann, T. and Peclard, D. 2010. [Negotiating Statehood: Dynamics of Power and Domination in Africa.](#) *Development and Change*, 41(4): 539-62.
- Hagmann, T. and Stepputat, F. 2016. [Corridors of Trade and Power: Economy and State Formation in Somali East Africa](#), DIIS Working Paper 2016:8. Copenhagen: Danish Institute for International Studies.
- Hall, D., P. Hirsch and T. Li. 2011. *Powers of exclusion*. Singapore: National University of Singapore Press
- Hall, R., Scoones, I. and Tsikata, D. 2015. *Africa's land rush: rural livelihoods and agrarian change*. James Currey.
- Hansen, T.B. and F. Stepputat (eds) 2001. *States of Imagination. Ethnographic Explorations of the Postcolonial State*. Durham, NC: Duke University Press.
- Hönke, J. 2013. *Transnational companies and security governance: hybrid practices in a postcolonial world*. Abingdon: Routledge.
- Kandel, M., 2018. 'State formation and the politics of land in north-eastern Uganda.' *African Affairs*, 117 (467): pp.261-285.
- Kochore, H.H. 2016. 'The Road to Kenya? Vision, Expectations and Anxieties around New Infrastructure Development in Northern Kenya.' *Journal of Eastern African Studies* 10 (3): 494-510.
- Korf, B., Hagmann, T. and Emmenegger, R. 2015. 'Re-spacing African drylands: territorialization, sedentarization and indigenous commodification in the Ethiopian pastoral frontier.' *The Journal of Peasant Studies*, 42 (5): pp. 881-901.

Li, T.M. 2014. [What is land? Assembling a resource for global investment](#). *Transactions of the Institute of British Geographers*, 39: 589–602.

Lind, J. 2017. [Governing black gold: lessons from oil finds in Turkana, Kenya](#), IDS and Saferworld Research Briefing. See also related [digital story](#)

Mehta, L., 2001. 'The manufacture of popular perceptions of scarcity: Dams and water-related narratives in Gujarat, India.' *World Development*, 29 (12): pp. 2025 – 2041.

Mosley, J. and Watson, E.E., 2016. [Frontier transformations: development visions, spaces and processes in Northern Kenya and Southern Ethiopia](#). *Journal of Eastern African Studies*, 10(3): 452-475.

Obj, C.I. 2001. 'Global, state, and local intersections: power, authority, and conflict in the Niger Delta oil communities.' *Intervention & transnationalism in Africa. Global-local network of power*, pp.173-196.

Rasmussen, M.B. and Lund, C., 2018. [Reconfiguring frontier spaces: The territorialization of resource control](#). *World Development*, 101: 388-399.

Regassa, A., Hizekiel, Y. and Korf, B. 2018. '[Civilizing' the pastoral frontier: land grabbing, dispossession and coercive agrarian development in Ethiopia](#)'. *Journal of Peasant Studies*: 1-21.

Scott, J.C. 1998. [Seeing like a State: How Certain Schemes to Improve the Human Condition have Failed](#). New Haven: Yale University Press.

Sidaway, J.D. 2007. 'Enclave space: a new metageography of development?' *Area*, 39 (3): pp.331-339.

Turton, D. 2011. 'Wilderness, wasteland or home? Three ways of imagining the Lower Omo Valley.' *Journal of Eastern African Studies*, 5: pp. 158 – 176.

9. Pastoralism and mobility

Bauman, Z. 1999. [Liquid Modernity](#). Cambridge: Polity Press

Castells, M. 1996. *The Rise of the Network Society: Economy, Society and Culture*. Wiley Blackwell

Chatty, D. 1996. *Mobile Pastoralists: Development Planning and Social Change in Oman*. New York: Columbia University Press.

Cresswell, T. 2006. [On the Move](#). London: Routledge.

Deleuze, G. and Guattari, F. (2004/1980). [Rhizome](#). In *A Thousand Plateaus: Capitalism and Schizophrenia*. New York: Continuum, pp. 3-28.

Dyson-Hudson, N. 1991. "Pastoral Production Systems and Livestock Development Projects: An East African Perspective." Pp. 157–186 in *Putting People First: Sociological Variables in Rural Development*, edited by M. Cernea. Oxford, UK.: Oxford University Press.

Elliot, Alice, Roger Norum, and Noel B. Salazar. 2017. [Methodologies of Mobility : Ethnography and Experiment](#). New York: Berghahn Books.

Humphrey, C. and Sneath, D. 1999. *The End of Nomadism? Society, State and the Environment in Inner Asia*. Duke University Press.

Jasanoff, S. and Wynne, B. 1977. "Science and Decision-Making." in *Human Choice and Climate Change: An International Assessment*, edited by S. Rayner and E. Malone. Ohio: Battelle Press.

Niamir-Fuller M., 1999. [Managing mobility in African rangelands: The legitimization of transhumance](#), Chapter in McCarthy, N., Swallow, B., Kirk, M. and Hazell, P. (1999) *Property Rights, Risk, and Livestock Development in Africa*. London: Intermediate Technology Publications.

Nori, M. and Farinella D. 2020. *Migrations, Agriculture and Rural Development. Mobility and migrations in European agro-pastoralism*. International Migration, Integration and Social Cohesion (IMISCOE) Research Series, Springer

Keeley, J. and Scoones, I. 2014. *Understanding Environmental Policy Processes Cases from Africa*. Routledge.

Krätli, S. 2015. [Valuing Variability: New Perspectives on Climate Resilient Drylands Development](#), IIED report. Edited by de Jode, H.

Krätli, S. and Schareika, N. 2010. [Living Off Uncertainty: The Intelligent Animal Production of Dryland Pastoralists](#). *European Journal of Development Research* 22(5):605–22.

Scott, J. C. 1998. *Seeing Like a State: How Certain Schemes to Improve the Human Condition Have Failed*. Yale University Press

Triandafyllidou, A. 2017. Beyond Irregular Migration Governance: Zooming in on Migrants' Agency. *European Journal of Migration and Law* 19 (1-11)

Randall, S., Coast, E. and Leone. T. 2011. "Cultural Constructions of the Concept of Household in Sample Surveys." *Population Studies* 65(2):217–29.

Urry, J. 2007. *Mobilities*. Cambridge : Polity.

Urry, J. 2000. *Sociology Beyond Societies: Mobilities for the Twenty-First Century*. London and New York: Routledge.

[Pastoral Mobility workshop](#)

10. Class dynamics, social difference and changing social relations in pastoral areas

Peasants, pastoralists and class analysis

Bernstein, H., 2006. Is there an agrarian question in the 21st century?. *Canadian Journal of Development Studies/Revue canadienne d'études du développement*, 27(4), pp.449-460.

Bernstein, H., 2010. [Class Dynamics of Agrarian Change](#). West Hartford, CT: Kumarian Press. ** 2 chapters on agrarian chapters

Bobrow-Strain, A., 2009. Logics of cattle-capital. *Geoforum*, 40(5), pp.778-780.

Cousins, B., 2010. What is a 'smallholder'? Class-analytic perspectives on small-scale farming and agrarian reform in South Africa. In *Reforming Land and Resource Use in South Africa* (pp. 102-127). Routledge.

Edelman, M., 2013. [What is a peasant? What are peasantries? A briefing paper on issues of definition](#). Briefing for the first session of the Intergovernmental Working Group on a United Nations Declaration on the Rights of Peasants and Other People Working in Rural Areas, Geneva, pp.15-19.

Gardner, B., 2009. [Are livestock a troublesome commodity?](#) *Geoforum*, 40(5): 781-783.

Mamdani, M., 1987. Extreme but not exceptional: towards an analysis of the agrarian question in Uganda. *The Journal of Peasant Studies*, 14(2), pp.191-225.

Neocosmos, M., 1993. *The agrarian question in Southern Africa and "Accumulation from below": economics and politics in the struggle for democracy* (Vol. 93). Nordic Africa Institute.

O'Laughlin, B., 2016. Bernstein's puzzle: peasants, accumulation and class alliances in Africa. *Journal of Agrarian Change*, 16(3), pp.390-409.

Scoones, I., Marongwe, N., Mavedzenge, B., Murimbarimba, F., Mahenehene, J. and Sukume, C., 2012. Livelihoods after land reform in Zimbabwe: understanding processes of rural differentiation. *Journal of Agrarian Change*, 12(4), pp.503-527.

van der Ploeg, J.D, 2010. The peasantries of the twenty-first century: the commoditisation debate revisited. *The Journal of Peasant Studies*, 37(1), pp.1-30.

Social differentiation in pastoral societies

Abbink, J (2011) 'Land to the foreigners': economic, legal, and socio-cultural aspects of new land acquisition schemes in Ethiopia. *Journal of Contemporary African Studies* 29, 4: 513-535

Aklilu, Y. and Catley, A., 2013. Moving up or moving out? Commercialization, growth and destitution in pastoralist areas. Chapter in: Catley et al eds., [Pastoralism and Development in Africa](#) (pp. 108-120) London:Earthscan/Routledge.

Anderson, D.M. and Broch-Due, V., 2000. *The poor are not us: poverty and pastoralism in Eastern Africa*. Oxford: James Currey.

Caravani, M., 2018. 'De-pastoralisation' in Uganda's Northeast: from livelihoods diversification to social differentiation. *The Journal of Peasant Studies*, pp.1-24.

Devereux, S (2010) Better Marginalised than Incorporated? Pastoralist Livelihoods in Somali Region, Ethiopia. *European Journal of Development Research*, 22, 678–695.

Fernandez-Gimenez, M.E., 1999. Reconsidering the role of absentee herd owners: a view from Mongolia. *Human Ecology*, 27(1), pp.1-27.

Hodgson, D. (2015) Invisible dynamics in pastoral areas in the Horn of Africa: Experiences from Somaliland, Kenya and Ethiopia. *Nomadic Peoples*.

Ingold, T., 1980. *Hunters, Pastoralists, and Ranchers: Reindeer Economies and their Transformations*. Cambridge University Press, New York.

Korf, B., Hagmann, T., & Emmenegger, R. (2015): Re-spacing African drylands: territorialization, sedentarization and indigenous commodification in the Ethiopian pastoral frontier, *The Journal of Peasant Studies*

Lesorogol, C. K. (2008), Land Privatization and Pastoralist Well-being in Kenya. *Development and Change*, 39: 309–331.

Little, P.D., 1985. Absentee herd owners and part-time pastoralists: The political economy of resource use in northern Kenya. *Human Ecology*, 13(2), pp.131-151.

McPeak, J., Little, P.D., and Doss, C.R. (2012) *Risk and Social Change in an African Rural Economy*. Abingdon: Routledge.

Sayre, N. F. (2009) Land, labor, livestock and (neo)liberalism: understanding the geographies of pastoralism and ranching. *Geoforum*, 40, 5: 705-783

Swift, J., 1977. Sahelian pastoralists: underdevelopment, desertification, and famine. *Annual Review of Anthropology*, 6(1), pp.457-478.

Turner, M and Hiernaux, P. (2008) Changing Access to Labor, Pastures, and Knowledge: The Extensification of Grazing Management in Sudano-Sahelian West Africa. *Human Ecology* 36:59–80.

Turner, M. (2009) 'Capital on the move: The changing relation between livestock and labor in Mali, West Africa'. *Geoforum* 40, 746–755.

Walraet, A. (2013) State-Making and Emerging Complexes of Power and Accumulation in the Southern Sudan-Kenyan Border Area: The Rise of a Thriving Cross-border Business Network.. In: *The Borderlands of South Sudan: Authority and Identity in Contemporary and Historical Perspectives*. Edited by Vaughan, C., Schomerus, M., and Vries, L. New York: Palgrave Macmillan.

Yeh, E.T., 2011. Tibetan pastoralism in neoliberalising China: continuity and change in Gouli. *Area*, 43(2), pp.165-172.

Zaal (2011) Pastoral Integration in East African Livestock Markets: Linkages to the Livestock Value Chain for Maasai Pastoral Subsistence and Accumulation. In: *Economic Spaces of Pastoral Production and Commodity Systems*, eds. Gertel, J. and Heron, R.L. Surry: Ashgate.

Human-animal geographies

Hovorka, A.J., 2017. Animal geographies I: Globalizing and decolonizing. *Progress in Human Geography*, 41(3), pp.382-394. And 2018. Animal geographies II: Hybridizing. *Progress in Human Geography*, 42(3), pp.453-462.

Stuart, D. and Gunderson, R., 2018. Nonhuman Animals as Fictitious Commodities: Exploitation and Consequences in Industrial Agriculture. *Society & Animals*, 1: 1-20.

11. Poverty, livelihood vulnerability and disasters in pastoral areas

For perspectives on an extended 'livelihoods perspective', watch Ian Scoones' [lecture on sustainable livelihoods and development](#), and read the 2015 book [Sustainable Livelihoods and Rural Development](#), especially chapters 2 and 3.

Livelihoods, vulnerability, poverty dynamics and moral economy

Addison, T., Hulme, D. and Kanbur, R. eds., 2009. *Poverty dynamics: Interdisciplinary perspectives*. OUP Oxford.

Baulch, B., 1996. Neglected trade-offs in poverty measurement. *IDS Bulletin*, 27(1), pp.36-42.

Chambers, R. and Conway, G., 1992. *Sustainable rural livelihoods: practical concepts for the 21st century*. Institute of Development Studies (UK).

Chambers, R., 1989. Editorial introduction: vulnerability, coping and policy. *IDS Bulletin*, 20(2), pp.1-7.

Chambers, R., Longhurst, R. and Pacey, A., 1981. *Seasonal dimensions to rural poverty*. Frances Pinter.

Devereux, S., 1993. *Theories of famine*. Harvester Wheatsheaf.

Devereux, S., 2009. Why does famine persist in Africa?. *Food security*, 1(1), p.25.

Edelman, M., 2005. Bringing the moral economy back in... to the study of 21st-century transnational peasant movements. *American Anthropologist*, 107(3), pp.331-345.

Longhurst, R., Chambers, R. and Swift, J., 1986. Seasonality and poverty: implications for policy and research. *IDS Bulletin*, 17(3), pp.67-71.

Sayer, A., 2000. Moral economy and political economy. *Studies in political economy*, 61(1), pp.79-103.

Scoones, I., 2015. [Sustainable Livelihoods and Rural Development](#). Rugby, Warwickshire, UK: Practical Action Publishing. ** (chapters 2 and 3).

Scott, J.C., 1977. [The Moral Economy of the Peasant: Rebellion and Subsistence in Southeast Asia](#). New Haven: Yale University Press.

Swift, J., 1989. [Why are rural people vulnerable to famine?](#) *IDS Bulletin*, 20(2): 8-15. **

Swift, J., 1993. Understanding and preventing famine and famine mortality. *IDS Bulletin*, 24(4), pp.1-16.

Poverty dynamics in pastoral areas in Africa

Aklilu, Y. and Catley, A., 2013. Moving up or moving out? Commercialization, growth and destitution in pastoralist areas. In: Catley et al. (eds). *Pastoralism and Development in Africa* (pp. 108-120). Routledge.

Galvin, K et al. (2015) Nutritional status of Maasai pastoralists under change. *Human Ecology* : an interdisciplinary journal Vol:43(3): 411-424.

Little, P.D., Smith, K., Cellarius, B.A., Coppock, D.L. and Barrett, C., 2001. [Avoiding disaster: diversification and risk management among East African herders](#). *Development and Change*, 32(3): 401-433.

Little, P; McPeak, J; Barrett, C; and Kristjanson, P. (2008) [Challenging orthodoxies: Understanding poverty in pastoral areas of East Africa](#). *Development and Change* 39(4): 587–611. **

Lybbert, T.J., Barrett, C.B., Desta, S. and Layne Coppock, D., 2004. Stochastic wealth dynamics and risk management among a poor population. *The Economic Journal*, 114(498), pp.750-777.

McPeak, J.G. and Barrett, C.B., 2001. Differential risk exposure and stochastic poverty traps among East African pastoralists. *American Journal of Agricultural Economics*, 83(3), pp.674-679.

Pedersen, J. and Benjaminsen, T.A. (2008) One Leg or Two? Food Security and Pastoralism in the Northern Sahel. *Human Ecology* (2008) 36:43–57.

Rufino, M., P.K. Thornton, S.K. Ng'ang'a, I. Mutie, P.G. Jones, M.T. van Wijk, M. Herrero (2013) Transitions in agro-pastoralist systems of East Africa: Impacts on food security and poverty. *Agriculture, Ecosystems and Environment* 179 (2013) 215–230

Tache, B. and Sjaastad, E. (2010) [Pastoralists' Conceptions of Poverty: An Analysis of Traditional and Conventional Indicators from Borana, Ethiopia](#). *World Development*, 38(8): 1168–1178.

Early warning, social protection, insurance and resilience building: policy responses

Bailey, R. (2012) *Famine Early Warning and Early Action: The Cost of Delay*. London: Chatham House The Royal Institute of International Affairs.

Bertram-Huemmer, V. and Kraehnert, K., 2017. Does index insurance help households recover from disaster? Evidence from IBLI Mongolia. *American Journal of Agricultural Economics*, 100(1), pp.145-171.

Buchanan, S. and Davies, S., 1995. *Famine early warning and response: the missing link*. Intermediate Technology Publications.

Buchanan-Smith, M., Davies, S. and Petty, C., 1994. Food security: let them eat information. *IDS Bulletin*, 25(2), pp.69-80.

Christophers, B., Bigger, P. and Johnson, L., 2018. Stretching scales? Risk and sociality in climate finance. *Environment and Planning A: Economy and Space*.

Cullis, A and Catley, A. (2012) [Money to burn? Comparing the costs and benefits of drought responses in pastoralist areas of Ethiopia](#). *The Journal of Humanitarian Assistance*.

Devereux, S. and Tibbo, K., 2013. Social protection for pastoralists. *Pastoralism and development in Africa: Dynamic change at the margins*, p.215. **

Gelsdorf, K., Maxwell, D., and Mazurana, D. (2012) *Livelihoods, basic services and social protection in Northern Uganda and Karamoja*. Secure Livelihoods Research Consortium Working Paper 4. London: Feinstein International Center.

Getu, M. and Devereux, S. eds., 2013. *Informal and formal social protection systems in Sub-Saharan Africa*. African Books Collective.

Janzen, S.A., Jensen, N.D. and Mude, A.G., 2016. Targeted social protection in a pastoralist economy: case study from Kenya. *Revue Scientifique et Technique-Office International des Epizooties*, 35(2), pp.587-596.

Johnson, L., 2013. Index insurance and the articulation of risk-bearing subjects. *Environment and Planning A*, 45(11), pp.2663-2681.

Johnson, L., Wandera, B., Jensen, N. and Banerjee, R., 2018. Competing Expectations in an Index-Based Livestock Insurance Project. *The Journal of Development Studies*, pp.1-19.

Jones, L., Jaspars, S., Pavanello, S., Ludi, E., Slater, R., Grist, N. and Mtisi, S., 2010. Responding to a changing climate: Exploring how disaster risk reduction, social protection and livelihoods approaches promote features of adaptive capacity. London: ODI

Lakoff, A., 2007. Preparing for the next emergency. *Public culture*, 19(2), p.247. **

Mude, A.G., 2016. [Incubating a promising financial solution for the drylands: Toward sustainable index-based livestock insurance \(IBLI\) for pastoralists](#). Presentation. Nairobi: ILRI.

Sabates-Wheeler, R., Lind, J. and Hoddinott, J., 2013. [Implementing social protection in agro-pastoralist and pastoralist areas: how local distribution structures moderate PSNP outcomes in Ethiopia](#). *World Development*, 50: 1-12.

Resilience building

Béné, C., Mehta, L., McGranahan, G., Cannon, T., Gupte, J. and Tanner, T., 2018. Resilience as a policy narrative: potentials and limits in the context of urban planning. *Climate and Development*, 10(2), pp.116-133.

Catley, A. (2017). [Pathways to Resilience in Pastoralist Areas: A Synthesis of Research in the Horn of Africa](#). Boston: Feinstein International Center, Tufts University.

Felli, R., 2016. The World Bank's neoliberal language of resilience. In *Risking capitalism* (pp. 267-295). Emerald Group Publishing Limited.

Pastoral livelihoods case study

Devereux, S. (2006) [Vulnerable Livelihoods in Somali Region, Ethiopia](#), IDS Research Report No. 57. Sussex, UK: Institute for Development Studies.

12. 'Real markets', commodity chains and economic 'value' in pastoral areas

Real markets and 'the economy'

Çalışkan, K. and Callon, M., 2009. [Economization, part 1: shifting attention from the economy towards processes of economization](#). *Economy and Society*, 38(3): 369-398. **

Çalışkan, K. and Callon, M., 2010. Economization, part 2: a research programme for the study of markets. *Economy and Society*, 39(1), pp.1-32.

de Alcántara, C.H. ed., 1993. *Real markets: social and political issues of food policy reform*. London: Routledge. ** (chapter 1)

Fafchamps, M., 1992. Solidarity networks in preindustrial societies: Rational peasants with a moral economy. *Economic Development and Cultural Change*, 41(1), pp.147-174.

Gibson-Graham, J.K., 2008. Diverse economies: performative practices for other worlds'. *Progress in Human Geography*, 32(5), pp.613-632.

Kabeer, N., 2016. Why we need feminist economists: Four reasons. *New Agenda: South African Journal of Social and Economic Policy*, 63, pp.37-38.

Mitchell, T., 2005. The work of economics: how a discipline makes its world. *European Journal of Sociology/Archives Européennes de Sociologie*, 46(2), pp.297-320.

Mitchell, T., 2008. [Rethinking economy](#). *Geoforum*, 39(3): 1116-1121. **

Nelson, J.A. and Power, M., 2018. Ecology, Sustainability, and Care: Developments in the Field. *Feminist Economics*

Platteau, J.P., 1994. Behind the Market Stage Where Real Economies Exist—Part I: The Role of Public and Private Order Institutions. *Journal of Development Studies*, 30(3), pp.533-577.

Platteau, J-P. (1994) 'Behind the Market Stage: Where Real Societies Exist. Part II—The Role of Moral Norms', *The Journal of Development Studies* 30(4): 396–422.

Valuation of pastoral systems

Behnke, R.H., 2008. The economic contribution of pastoralism: Case studies from the Horn of Africa and southern Africa. *Nomadic Peoples*, 12(1), pp.45-79.

Hatfield, R. and Davies, J. (2006) *Global Review of the Economics of Pastoralism*. Nairobi: The World Initiative for Sustainable Pastoralism.

Hesse, C. and J. MacGregor. 2006. [Pastoralism: Drylands' Invisible Asset](#), IIED Issue Paper 142. London: IIED **

Value/commodity chains/networks

Gereffi, G.; Humphrey, J.; and Sturgeon, T. (2005). The governance of global value chains, *Review of International Political Economy*, vol. 12, no. 1

Henderson, J., Dicken, P., Hess, M., Coe, N. M., and Yeung, H. W. C. (2002). "Global production networks and the analysis of economic development." *Review of International Political Economy* 9:436–464.

Kaplinsky, R. and Morris, M. (2001) [A Handbook for Value Chain Analysis](#). Ottawa: International Development Research Centre

Lazzarini, S., Chaddad, F. R., Cook, M. L. (2000) Integrating supply chain and network analysis: the study of netchains. *Journal on Chain and Network Science*, 1: 7–22.

Raikes, P., Friis Jensen, M., & Ponte, S. (2000). Global commodity chain analysis and the French filière approach: comparison and critique. *Economy and society*, 29(3), 390-417. **

Selwyn, B. 2012. Beyond Firm-centrism: Re-integrating Labour and Capitalism into Global Commodity Chain Analysis. *Journal of Economic Geography*, 12(1): 205–226.

Selwyn, B., 2014. Commodity chains, creative destruction and global inequality: a class analysis. *Journal of Economic Geography*, 15(2), pp.253-274.

Pastoral markets and commercialisation

Aklilu, Y. and Catley, A. (2010) *Mind the Gap: Commercialization, Livelihoods and Wealth Disparity in Pastoralist Areas of Ethiopia*. Feinstein International Centre, Tufts University, Addis Ababa.

Delgado, C., Rosegrant, M., Steinfeld, H., Ehui, S. and Courbois, C., 2001. Livestock to 2020: The next food revolution. *Outlook on Agriculture*, 30(1), pp.27-29.

Galaty, J. (2008) Revisiting pastoralism and marketing in East Africa. *African Studies Review*, Volume 51(1): 131-134

Gertel, J. and Le Heron, R.B. eds., 2011. [Economic Spaces of Pastoral Production and Commodity Systems: Markets and Livelihoods](#). Farnham: Ashgate Publishing. ** (opening chapter)

Kerven, C., 1992. Customary commerce: A historical reassessment of pastoral livestock marketing in Africa. London: ODI **

Levine, S. (2010) An Unromantic Look at Pastoralism in Karamoja: How Hard-Hearted Economics Shows That Pastoral Systems Remain the Solution, Not the Problem. *Nomadic Peoples*, Volume 14, Issue 2, 2010: 147-153.

Little, P. (2005) Unofficial Trade When States are Weak. The Case of Cross-Border Commerce in the Horn of Africa. Helsinki: Expert Group on Development Issues and the United Nations University World Institute for Development Economics Research.

Little, P.D., 2003. *Somalia: Economy without a State*. Indiana University Press.

Mahmoud, H.A., 2008. Risky trade, resilient traders: trust and livestock marketing in northern Kenya. *Africa*, 78(4), pp.561-581.

McPeak, J. (2006) Livestock Marketing in Marsabit District, Kenya Over the Past Fifty Years. In: *Pastoral Livestock Marketing in Eastern Africa*. Editors: McPeak, J. and Little, P. Rugby: Practical Action.

Case studies

Anderson, D. M., Elliott, H., Kochore, H. & Lochery, E. (2012). Camel herders, middle women, and urban milk bars: the commodification of camel milk in Kenya. *Journal of Eastern African Studies*, 6 (3): 383-404.

Mavedzenge, B.Z., Mahenehene, J., Murimbarimba, F., Scoones, I. and Wolmer, W., 2008. The dynamics of real markets: cattle in southern Zimbabwe following land reform. *Development and Change*, 39(4), pp.613-639.

13. Conflict and governance in pastoral frontiers

Abdi, A. and Lind, J. 2018. [The changing nature of local peacebuilding in Kenya's north-eastern borderlands](#). *Accord Insight*, 4.

Barth, F. 1998. *Ethnic groups and boundaries: The social organization of culture difference*. Waveland Press.

Benjaminsen, T.A., and Boubacar B. 2019. [Why do pastoralists in Mali join jihadist groups? A political ecological explanation](#). *Journal of Peasant Studies*, 46: 1-20.

Benjaminsen, T.A., and Boubacar B. 2009. [Farmer–herder conflicts, pastoral marginalisation and corruption: a case study from the inland Niger delta of Mali](#). *The Geographic Journal*, 175: 71–81.

Boege, V.M., Brown, A. and Clements, K.P. 2009. 'Hybrid political orders, not fragile states.' *Peace Review* 21, 1: pp. 13-21.

Clastres, P. 1987. *Society against the State: Essays in Political Anthropology*. New York: Zone.

Chopra, T. 2010. 'Dispensing elusive justice: the Kenyan judiciary amongst pastoralist societies.' *Hague Journal on the Rule of Law* 2, 1: pp. 95-110.

Collier, P. and Hoeffler, A. 2004. 'Greed and grievance in civil war.' *Oxford Economic Papers*, 56, 4: pp. 563 – 595.

Eriksen, S. and Lind, J. 2009. 'Adaptation as a political process: adjusting to drought and conflict in Kenya's drylands.' *Environmental Management*, 43, 5: pp. 817-835.

Feyissa, D. 2010. 'The cultural construction of state borders: the view from Gambella.' *Journal of Eastern African Studies*, 4, 2: pp. 314-330.

Fearon, J.D. and Laitin, D.D. 2003. 'Ethnicity, insurgency, and civil war.' *American Political Science Review*, 97, 1: pp. 75-90.

Fukui, K. and Turton, D. (eds.) 1979. *Warfare among East African Herders*. National Museum of Ethnology.

Galaty, J., 2016. [Boundary-making and pastoral conflict along the Kenyan–Ethiopian Borderlands](#). *African Studies Review*, 59: 97–122.

Galaty, J.G. and Bonte, P. 1991. *Herders, warriors, and traders: Pastoralism in Africa*. Westview Press.

Goldsmith, P. 2013. 'The Future of Pastoralist Conflict in the Horn of Africa', in *Pastoralism and Development in Africa: Dynamic Change at the Margins*. Edited by Catley, A., Lind, J., and Scoones, I. Abingdon: Earthscan/Routledge.

Goodhand, J. and Meehan, P. 2018. [Spatialising political settlements](#). *Accord Insight*, 4.

Greiner, C. 2013. [Guns, land, and votes: Cattle rustling and the politics of boundary \(re\)making in Northern Kenya](#). *African Affairs*, 112: 216-237.

Hagmann, T. and Mulugeta, A. 2008. [Pastoral conflicts and state-building in the Ethiopian lowlands](#). *Africa Spectrum* 43: 19-37.

Homer-Dixon, T.F. 1994. 'Environmental scarcities and violent conflict: evidence from cases.' *International Security*, 19, 1: pp. 5 – 40.

Hussein, K., Sumberg, J. and Seddon, D. 1999. 'Increasing violent conflict between herders and farmers in Africa: claims and evidence.' *Development Policy Review*, 17, 4: pp. 397-418.

- Korf, B., Hagmann, T. and Emmenegger, R. 2015. [Re-spacing African drylands: territorialization, sedentarization and indigenous commodification in the Ethiopian pastoral frontier](#). *Journal of Peasant Studies*, 42(5): 881-901.
- Korf, B. and Raeymaekers, T. (eds.) 2013. *Violence on the Margins: States, Conflict and Borderlands*. New York: Palgrave Macmillan.
- Leonard, D.K. and Samantar, M. 2013. [Reconstructing political order among the Somalis: the historical record in the south and centre](#). *IDS Bulletin*, 44(1), 4-52.
- Lind, J., 2017. 'Devolution, shifting centre-periphery relationships and conflict in northern Kenya. *Political Geography*, 63: pp. 135-147.
- Lochery, E. 2012. 'Rendering difference visible: the Kenyan state and its Somali citizens.' *African Affairs*, 111, 445: pp. 615-639.
- Luckham, R. and Kirk, T. 2013. [The two faces of security in hybrid political orders: a framework for analysis and research](#). *Stability: International Journal of Security and Development* 2, 2.
- Lynch, G. 2006. 'Negotiating Ethnicity: Identity politics in contemporary Kenya. ' *Review of African Political Economy*, 33, 107: pp. 49 – 65.
- Markakis, J., 1993. *Conflict and the Decline of Pastoralism in the Horn of Africa*. Macmillan.
- Markakis, J. 1994. 'Ethnic conflict and the state in the Horn of Africa.' In *Ethnicity and conflict in the Horn of Africa*. Edited by Fukui, K. and Markakis, J. London: James Currey with Ohio University Press.
- Meagher, K. 2012. [The strength of weak states? Non-state security forces and hybrid governance in Africa](#). *Development and Change*, 43: 1073-1101.
- Menkhaus, K. 2008. 'The rise of a mediated state in northern Kenya: the Wajir story and its implications for state-building.' *Afrika Focus* 21, 2: pp. 23-38;
- Ong, A. 2000. 'Graduated sovereignty in south-east Asia.' *Theory, Culture and Society*, 17, 4: pp. 55-75.
- Pospisil, J. and Menocal, A.R. 2017. 'Why political settlements matter: navigating inclusion in processes of institutional transformation.' *Journal of International Development*, 29, 5: pp. 551-558.
- Raeymaekers, T. 2009. 'The silent encroachment of the frontier: A politics of transborder trade in the Semliki Valley (Congo–Uganda).' *Political Geography*, 28, 1: pp. 55-65.
- Rasmussen, J. 2017. *Sweet secrets: Sugar smuggling and state formation in the Kenya-Somalia borderlands* (No. 2017: 11). DIIS Working Paper.
- Renders, M. and Terlinden, U. 2010. 'Negotiating statehood in a hybrid political order: The case of Somaliland.' *Development and Change*, 41, 4: pp. 723-746.

Schlee, G. 2010. *Territorialising Ethnicity: The Political Ecology of Pastoralism in Northern Kenya and Southern Ethiopia*. Halle: Max-Planck Institute.

Scott, J.C. 2008. *The Art of Not Being Governed: An Anarchist History of Upland Southeast Asia*. New Haven: Yale Press. (excerpts)

Thébaud, B. and Batterbury, S. 2001. 'Sahel pastoralists: opportunism, struggle, conflict and negotiation. A case study from eastern Niger.' *Global Environmental Change*, 11, 1: pp. 69 – 78.

Watts, M. 2018. [Frontiers: authority, precarity and insurgency at the edge of the state](#). *World Development*, 101: 477–488.

Whittaker, H. 2015. *Insurgency and Counterinsurgency in Kenya: a social history of the Shifta conflict, c.1963–1968*. Leiden: Brill.

Witsenburg, K.M. and Adano, W.R. 2009. 'Of rain and raids: Violent livestock raiding in northern Kenya.' *Civil Wars*, 11, 4: pp. 514 – 538.