

DEPT OF ENVIRONMENTAL SCIENCE

2015 PUBLICATIONS, REPORTS, CONFERENCES

JOURNAL PUBLICATIONS (22)

Alexander, J., Cocks, M. & Shackleton, C.M. 2015. The landscape of childhood: play and place as key tools to understanding children's environmental use and perceptions. *Human Ecology*, 43: 467-480.

Bennett, E., Cramer, W., Begossi, A., Cundill, G. *et al.* 2015. Linking biodiversity, ecosystem services, and human well-being: three challenges for designing research for sustainability. *Current Opinion in Environmental Sustainability*, 14: 76-85.

Chishaleshale, M., Shackleton, C.M., Gambiza, J. & Gumbo, D. 2015. The prevalence of planning and management frameworks for trees and green spaces in urban areas of South Africa. *Urban Forestry & Urban Greening*, 14: 817-825.

Cundill, G., D. J. Roux and J. N. Parker. 2015. Nurturing communities of practice for transdisciplinary research. *Ecology and Society*, 20(2): 22.

Fabricius, C. & Pereira, T. 2015. Community Biodiversity Inventories as Entry Points for Local Ecosystem Stewardship in a South African Communal Area. *Society & Natural Resources: An International Journal*, 28: 1030–1042. Available:<http://dx.doi.org/10.1080/08941920.2015.1014591>

Gwedla, N. & Shackleton, C.M. 2015. The development visions and attitudes towards urban forestry of officials responsible for greening in South African towns. *Land Use Policy*, 42: 17-26.

Higgins, O., & Shackleton, C.M. 2015. The benefits from and barriers to participation in civic environmental organisations in South Africa. *Biodiversity and Conservation*, 24: 2031-2046.

Jevon, T. & Shackleton, C.M. 2015. Integrating local knowledge and forest surveys to assess *Lantana camara* impacts on indigenous species recruitment in Mazeppa Bay, South Africa. *Human Ecology*, 43: 247-254.

Kaoma, H. & Shackleton, C.M. 2015. The direct use value of urban tree non-timber forest products to household income in poorer suburbs in South African towns. *Forest Policy & Economics*, 61: 104-112.

Kota, Z. & Shackleton, S.E. 2015. Harnessing local ecological knowledge to identify priority plant species for restoration of the Albany Thicket, South Africa. *Forests, Trees & Livelihoods*, 24 (1): 43-58.

Kruger, R., Cundill, G. & Thondhlana, G. 2015. A case study of the opportunities and trade-offs associated with deproclamation of a protected area following a land claim in South Africa. *Local Environment: The International Journal of Justice and Sustainability*, 1: 16.

Mjoli, N. & Shackleton, C.M. 2015. The trade in and household use of *Phoenix reclinata* palm frond hand brushes on the Wild Coast, South Africa. *Economic Botany*, 69: 218-229.

Ruwanza, S. & Shackleton, C.M. 2015. Density and regrowth of a forest restio (*Ischyrolepis eleocharis*) under harvest and non-harvest treatments in dune forests of Eastern Cape Province, South Africa. *Economic Botany*, 69: 136-149.

Schlesinger, J., Drescher, A. & Shackleton, C.M. 2015. Socio-spatial dynamics in the use of wild natural resources: evidence from six rapidly growing medium-sized cities in Africa. *Applied Geography*, 56: 107-115.

Shackleton, S. & Luckert, M. 2015. Changing livelihoods and landscapes in the rural Eastern Cape, South Africa: Past influences and future trajectories. *Land*, 4: 1060-1089.

Shackleton, S., Ziervogel, G., Sallu, S. Gill, T. & Tschakerts P. 2015 Why is socially-just climate change adaptation in sub-Saharan Africa so challenging? A review of barriers identified from empirical cases. *WIREs Clim Change* 2015. doi: 10.1002/wcc.335.

Shackleton, S., Chinyimba, A., Hebinck, P., Shackleton, C. & Kaoma, H. 2015. Multiple benefits and values of trees in urban landscapes in two towns in northern South Africa. *Landscape and Urban Planning*, 136: 76-86.

Steele, M.Z., Shackleton, C.M., Uma Shaanker, R., Ganeshaiyah, K.N. & Radloff, S. 2015. The influence of livelihood dependency, local ecological knowledge and market proximity on the ecological impacts of harvesting non-timber forest products. *Forest Policy and Economics*, 50: 285-291.

Stickler, M. & Shackleton, C. 2015. Local wood demand, land cover change and state of Albany Thicket of an urban commonage in Eastern Cape, South Africa. *Environmental Management*, 55: 411-422.

Thondhlana, G. 2015. Land acquisition for and local implications of biofuel development in Zimbabwe. *Land Use Policy*, 49: 11-19.

Thondhlana, G., Shackleton, S. & Blignaut, J. 2015. Local institutions, actors and natural resources governance in Kgalagadi Transfrontier Park and surrounds, South Africa. *Land Use Policy*, 47: 121-129.

Thondhlana, G. & Shackleton, S. 2015. Cultural values of natural resources: Evidence among local communities neighbouring Kgalagadi Transfrontier Park, South Africa. *Local Environment: The International Journal of Justice and Sustainability*, 20(1): 18-33.

BOOK CONTRIBUTIONS (11)

Aburto, J., Cundill, G. & Stotz, W. 2015. The sustainability of small-scale fishery harvests in the context of highly variable resources. In: Shackleton, C.M., Pandey, A. & Ticktin, T. (eds). *The ecological sustainability for non-timber forest products: dynamics and case studies of harvesting*. Earthscan, London. pp. 116-125.

Bezerra, J. 2015. O Brasil na Rio +20: qual foi o papel do país na Conferência das Nações Unidas sobre Desenvolvimento Sustentável? In: de Castro, F. and Futema, C. (Eds) *Governança Ambiental no Brasil: entre o socioambientalismo e a economia verde*. Sao Paulo: Paco Editorial, pp. 27-52. ISBN: 9788581488790.

Cundill, G., Leitch, A., Schultz, L., Armitage, D. and Peterson, G. 2015. Principle 5: Encourage learning. In Biggs, R., Schluter, M and Schoon, M. *Principles for building resilience: Sustaining ecosystem services in social-ecological systems*. Cambridge University Press, Cambridge.

Leitch, A., Cundill, G., Schultz, L. and Meek, C. 2015. Principle 6: Broaden participation. In Biggs, R., Schluter, M and Schoon, M. *Principles for building resilience: Sustaining ecosystem services in social-ecological systems*. Cambridge University Press, Cambridge.

Hunter, D., Burlingame, B., Remans, R., Borelli, T., Cogill, B., Coradin, L., Golden, C.D., Jamnadass, R., Kehlenbeck, K., Kennedy, G., Kuhnlein, H., McMullin, S., Myers, S., de Oliveira Beltrame, D.M., da Rocha Silva, A.J., Saha, M., Scheerer, L., **Shackleton, C.**, Soares Oliveira, C.N., Termote, C., Teofili, C., Thilsted, S. & Valenti, R. 2015. Biodiversity and nutrition. In: Romanelli, C., Cooper, D., Campbell-Lendrum, D., Maiero, M., Karesh, W.B., Hunter, D. & Golden, C.D. (eds). *Connecting Global Priorities: Biodiversity and Human Health - A State of Knowledge Review*. World Health Organization & Secretariat of the Convention on Biological Diversity, Geneva. pp. 96-129.

Shackleton, S. & Shackleton, C. 2015. Not just farming: Natural resources and livelihoods in land and agrarian reform. In: Cousins, B. & Walker, C. (eds). *Land divided, land restored: Land reform in South Africa for the 21st Century*. Jacana, Auckland Park. pp. 191-205.

Shackleton, C.M., Pandey, A. & Ticktin, T. (eds). 2015. *Ecological sustainability for non-timber forest products: dynamics and case-studies of harvesting*. Earthscan, London. 280 pp. (ISBN 978-0-415-72859-1).

Shackleton, C.M., Ticktin, T. & Pandey, A. 2015. Introduction: the need to understand the ecological sustainability of non-timber forest product harvesting systems. In: Shackleton, C.M., Pandey, A. & Ticktin, T. (eds). *The ecological sustainability for non-timber forest products: dynamics and case studies of harvesting*. Earthscan, London. pp. 3-11.

Shackleton, C.M. 2015. Non-timber forest products in livelihoods. In: Shackleton, C.M., Pandey, A. & Ticktin, T. (eds). *The ecological sustainability for non-timber forest products: dynamics and case studies of harvesting*. Earthscan, London. pp. 12-30.

Shackleton, C.M. 2015. Multiple roles of non-timber forest products in ecologies, economies and livelihoods. In: Peh, K., Corlett, R. & Bergeron, Y. (eds). *Routledge Handbook of Forest Ecology*. Routledge. pp. 559-570.

Shackleton, C.M., Pandey, A. & Ticktin, T. 2015. Ecological sustainability in a social and dynamic world. In: Shackleton, C.M., Pandey, A. & Ticktin, T. (eds). *The ecological sustainability for non-timber forest products: dynamics and case studies of harvesting*. Earthscan, London. pp. 260-278.

POLICY BRIEFS AND POPULAR ARTICLES (6)

Hamer, N. & Shackleton, S. 2015. Local safety nets help people cope with shocks and stressors and prevent the deepening of poverty and vulnerability. *Policy Brief Number 13, 2015*. Department of Environmental Science, Rhodes University.

Higgins, O. & Shackleton, C.M. 2015. Volunteers and their role in civic environmental organisations. *Environment: people and conservation in Africa*, 23: Winter 2015, 10-12.

Mjoli, N. & Shackleton, C.M. 2015. The women of Willowvale: crafting livelihoods from the wild date palm. *Veld & Flora* (Dec): 156-158.

Shackleton, C.M. 2015. New public parks fade away before our eyes. *Grocott's Mail*, 19 June, 145 (024): 14-16.

Shackleton, C.M., Hamer, N., Swallow, B. & Ncube, K. 2015. Addressing food insecurity amongst small-holder communities in transition. *Policy Brief 12*. Dept of Environmental Science, Rhodes University, Grahamstown. 7pp.

Ruwanza, S. 2015. Who is using water along the berg river: aliens or native plants? *Veld & Flora*, Iss 101(3), Sept, 130-132.

CONFERENCE PRESENTATIONS (22)

Published conference proceedings

Presentations & Posters

Bezerra, J. & Cundill, G. Fostering collaboration in contested landscapes: land rights and identity in collaborative transformations toward stewardship in South Africa. PECS2015, Stellenbosch, South Africa, 4-6 November 2015

Cockburn, J. & Cundill, G. 'Landscape Mobilisers' build platforms for collaboration to improve stewardship: lessons from South Africa. PECS2015, Stellenbosch, South Africa, 4-6 November 2015

Cundill, G. Panel organizer: Collaborative transformations toward ecosystem stewardship: A dialogue between theory and practice. PECS2015, Stellenbosch, South Africa, 4-6 November 2015

De Vos, A., Biggs, R. & Presier, R. 2015, The Cultural Ecosystem Service framework for biodiversity conservation in South Africa's National parks: uses and limitations. 8th ESP World Conference. 9-13 Nov, Stellenbosch (South Africa).

De Vos, A., Biggs, R. & Presier, R. 2015, Methods for understanding social-ecological systems: a systematic review. International PECS conference, 3-5 Nov, Stellenbosch (South Africa).

De Vos, A. 2015. Rapid assessment of potential ecosystem service impacts following a planned dam development in the Ntabelanga catchment, South Africa. Natural Capital Symposium. 23-25 March. Stanford (USA).

George, A. & Cundill, G. The operation of social spaces in Vembanad Lake, India. PECS2015, Stellenbosch, South Africa, 4-6 November 2015

Gwedla, N. & Shackleton, C.M. 2015. The role of local municipalities in urban greening: perceptions of urban residents in Eastern Cape towns. (Paper). IERM annual conf., 28-29 Sept, Muldersdrift (South Africa).

Gwedla, N. & Shackleton, C.M. 2015. Municipal parks managers' visions and attitudes towards urban forestry in South African towns. (Paper). IERM annual conf., 28-29 Sept, Muldersdrift (South Africa).

Martins, A. & Shackleton, C.M. 2015. Using local ecological knowledge to model the distribution of two palm species in southern Mozambique. (Poster). Combined conference of the 56th annual conference of the Society for Economic Botany and the 18th annual conference of the Indigenous Plant Use Forum, 28 June -2 July, Clanwilliam (South Africa).

Mehl, H., De Vos, A. & Annett, C. 2015. Cultural ecosystem services: Where do they fit in ecosystem service monetization? 8th AAG Conference. 9-13 Nov, Chicago (USA).

Mehl, H., De Vos, A., & Annett, C. & Causey, D. 2015. Examining a complementary framework for valuing cultural ecosystem services. 8th ESP World Conference. 9-13 Nov, Stellenbosch (South Africa).

Mjoli, N. & Shackleton, C.M. 2015. The trade in and household use of Phoenix reclinata hand brushes on the Wild Coast, South Africa. (Paper). Combined conference of the 56th annual conference of the Society for Economic Botany and the 18th annual conference of the Indigenous Plant Use Forum, 28 June -2 July, Clanwilliam (South Africa).

Presier, R., Biggs, R. & De Vos, A. 2015, Complexity and social-ecological systems: A conceptual exploration. International PECS conference, 3-5 Nov, Stellenbosch (South Africa).

Ruwanza, S. & Shackleton, C.M. 2015. Impact of the invasive shrub *Lantana camara* L. on soil properties in the Eastern Cape, South Africa (Poster). Botanikertagung 2015, 30 Aug – 3 Sept, Freising (Germany).

Ruwanza, S. & Shackleton, C.M. 2015. Density and regrowth of a forest restio (*Ischyrolepis eleocharis*) under harvest and non-harvest treatments in dune forests in Eastern Cape province, South Africa. (Poster). Combined conference of the 56th annual conference of the Society for Economic Botany and the 18th annual conference of the Indigenous Plant Use Forum, 28 June -2 July, Clanwilliam (South Africa).

Sinasson Sanni, G., Shackleton, C.M. & Sinsin, B. 2015. An ethnobotanical study of *Mimusops andongensis* Hiern in Benin (West Africa). (Poster). Combined conference of the 56th annual

conference of the Society for Economic Botany and the 18th annual conference of the Indigenous Plant Use Forum, 28 June -2 July, Clanwilliam (South Africa).

Shackleton, C.M. 2015. Transforming green spaces and services constrains livelihoods in sub-Saharan Africa towns. International PECS conference, 3-5 Nov, Stellenbosch (South Africa).

Shackleton, C.M., Ticktin, T. & Pandey, T. 2015. Sustaining resource sustainability in a dynamic world. (Paper). Combined conference of the 56th annual conference of the Society for Economic Botany and the 18th annual conference of the Indigenous Plant Use Forum, 28 June -2 July, Clanwilliam (South Africa).

Shackleton, S and Ziervogel G. Why is socially just climate change adaptation in sub-Saharan Africa so challenging? Our Common Future under Climate Change. Paris, July 7-10, 2015 (Key note address for session).

Shackleton, S.E. (2015). Identifying barriers to climate change adaptation in sub-Saharan Africa: What transformations might be needed for a socially just future? PECS 2015 Conference: Social-ecological systems in the Anthropocene. Spier, Stellenbosch, 2- 5 th November, 2015.

Thondhlana, G. (2015). Conservation and conflicts in South African protected areas. Seminar series: Conflict, Peace, and Regional Economic Integration in Southern Africa: Bridging the Knowledge Gaps and Addressing the Policy Challenges. Livingstone, Zambia, 7–8, October 2015.

RESEARCH REPORTS ()

DVDs