

Publications by Dr. Daniel Etongo Bau

Summary of publications

Peer-reviewed articles: **39**

Peer-reviewed book chapters: **3**

Papers in conference proceedings: **3**

Technical reports: **4**

Google Scholar:

<https://scholar.google.com/citations?user=9xOze30AAAAJ&hl=en>

Peer-reviewed articles:

39. Etongo D., Bristol U., Cetoupe D., Landry J., Labrosse J-C. (2025). Integrating disaster risk reduction and climate change adaptation in Seychelles: Challenges and proposed strategies. Journal of Disaster Risk Studies.

DOI: [10.4102/jamba.v17i2.1808](https://doi.org/10.4102/jamba.v17i2.1808)

38. Benkovic R., Miroslavljec K., Brmez M., **Etongo D.**, Zimmer D., Jug D., Jug I., Sumanovac L. (2025). Different tillage systems and their influence on crops yield formation and post-harvest residues. Poljoprivreda 31(1): 13-24.

<https://doi.org/10.18047/poljo.31.1.2>

37. Keiner D., Gulagi A., Satymov R., **Etongo D.**, Lavidas G., Oyewo A.S., Khalili S., Breyer C. (2024). Future role of wave power in Seychelles: A structured sensitivity analysis empowered by a novel EnergyPLAN-based optimization tool. Energy.

<https://doi.org/10.1016/j.energy.2024.131905>

36. Epule TE, Etongo D, Andriamasinoro J. (2024). Identifying yield and growing season precipitation gaps in Cameroon. Journal of Water & Climate Change, 15 (2): 499–517.

<https://doi.org/10.2166/wcc.2024.447>

35. Etongo D., Serret L., Epule TE., Bristol U., Nancy K., Sinon S. (2023). Farm households' adoption of climate-smart agricultural practices: Empirical evidence from Seychelles. GeoJournal. <https://doi.org/10.1007/s10708-023-10945-z>

34. Etongo D., Lafleur H, Vel T. (2023). Community perceptions and attitudes towards the management of protected areas in Seychelles with Morne Seychellois National Park as case study. World Development Sustainability.

<https://doi.org/10.1016/j.wds.2023.100091>

33. Etongo D., Bristol U., Epule TE., Bandara A., Sinon S. (2023). Expert elicitations of smallholder agroforestry practices in the Seychelles: A SWOT-AHP analysis. Regional Sustainability 2023 4(3).

<https://doi.org/10.1016/j.regsus.2023.08.006>

- 32. Etongo D.** (2023). Mainstreaming climate adaptation into sectoral policies in Seychelles. *Seychelles Research Journal* 5(2): 37-58.
- 31. Etongo D.** (2023). A situational analysis of agricultural development, food, and livelihood security in Seychelles: Where to from here? *PLOS Climate* 2(4): e0000192. <https://doi.org/10.1371/journal.pclm.0000192>
- 30. Etongo D.,** Bandara A., Murugaiyan A., Bristol U., Nancy K., Petrousse B., Sinon S. (2022). Risk perceptions, vulnerability and adaptation to climate change at farm level across four agricultural zones in Seychelles. *World Development Sustainability*. <https://doi.org/10.1016/j.wds.2022.100025>.
- 29. Etongo D.,** Naidu H. (2022). Determinants of household adoption of solar energy technology in Seychelles in a context of 100% access to electricity. *Discover Sustainability* 3, 38. <https://doi.org/10.1007/s43621-022-00108-4>
- 28. Etongo D.,** D'Offay K., Vel T., Murugaiyan P., Henriette E. (2022). Growth rate and survivorship of *Rhizophora mucronata*, *Avecennia marina*, and *Ceriops tagal* seedlings with freshwater and seawater treatment for mangrove propagation in nurseries. *Applied Ecology and Environmental Research* 20(6): 5409 – 5431.
- 27. Epule TE.,** Chehbouni A., Chfadi T., Ongoma V., Er-Raki S., Khaba S., **Etongo D.,** Martinez-Cruz AL., et al. (2022). A systematic national stocktake of crop models in Morocco. *Ecological Modelling* 470, 110036. <https://doi.org/10.1016/j.ecolmodel.2022.110036>
- 26. Etongo D.,** Gill K. (2022). Local governance capacity needs for implementing climate change adaptation in Seychelles: An assessment based on the Capital Approach. *Challenges* 13, 49. <https://doi.org/10.3390/challe13020049>
- 25. Epule, T.E.,** Chehbouni, A., Dhiba, D. **Etongo D.,** Achli S. *et al.* Identifying gaps in actual and simulated/potential yield and growing season precipitation in Morocco. *Environ Sci Pollut Res* **29**, 84844–84860 (2022). <https://doi.org/10.1007/s11356-022-21671-3>
- 24. Etongo D.,** Vel T., Mendez J. (2022). Stocktake and lessons learnt from the ecosystem-based adaptation to climate change project in Seychelles. *Seychelles Research Journal* 4(2): 14 – 37.
- 23. Djenontin, I.N.S.,** Zulu, L.C., **Etongo, D.** (2021). Ultimately, What is Forest Landscape Restoration in Practice? Embodiments in Sub-Saharan Africa and Implications for Future Design. *Environmental Management* **68**, 619–641. <https://doi.org/10.1007/s00267-020-01360-y>
- 22. Epule TE,** Chehbouni A, Dhiba D, **Etongo D,** Driouech F, Brouziyne Y, et al. (2021) Vulnerability of maize, millet, and rice yields to growing season precipitation and socio-economic proxies in Cameroon. *PLoS ONE* 16(6): e0252335. <https://doi.org/10.1371/journal.pone.0252335>
- 21. Etongo, D.,** Arrisol, L. (2021). Vulnerability of fishery-based livelihoods to climate variability and change in a tropical island: insights from small-scale fishers in Seychelles. *Discov Sustain* **2**, 48. <https://doi.org/10.1007/s43621-021-00057-4>

- 20.** Epule, T.E., Dhiba, D., **Etongo, D. et al.** Identifying maize yield and precipitation gaps in Uganda. *SN Appl. Sci.* **3**, 537 (2021). <https://doi.org/10.1007/s42452-021-04532-5>
- 19.** **Etongo D.**, Barbe R., Monthy M., Millett J., Henriette E., Vel T. (2021). Community engagement in forest rehabilitation within the context of a tropical island: Insights from Praslin, Seychelles. *Applied Ecology & Environmental Research* 19(5): 4185-4217. DOI: http://dx.doi.org/10.15666/aeer/1905_41854217
- 18.** **Etongo, D.**, Vel, T., Port-Louis, A. (2020). Community perceptions of climate change vulnerability in Seychelles and some considerations on data and methodological gaps. *Seychelles Research Journal* 2(2): 93-120.
- 17.** **Etongo, D.**, Monthy, M., Vel, T. (2019): Floristic composition, diversity and its potential for future regeneration between native and exotic species in the Caiman forest of Seychelles, *International Journal of Sustainable Development & World Ecology*, DOI:10.1080/13504509.2019.1701580
- 16.** **Etongo, D** (2019). Climate Change Adaptation in Seychelles: Actors, Actions, Barriers and Strategies for Improvement. *Seychelles Research Journal*. 1(2): 43-66.
- 15.** Ouédraogo, K., Dimobe, K., Zerbo, I., **Etongo, D.**, Zare, A., Thiombiano, A. (2019). Traditional knowledge and cultural importance of *Gardenia erubescens* Stapf & Hutch. In Sudanian savanna of Burkina Faso. *Journal of Ethnobiology and Ethnomedicine* 15:28.
- 14.** Fagan, GH., **Etongo, D.**, Zerihun, Z., Tafere, K. (2019). Rural households' access to water resources under climate impacts based on field evidence in Tigray Region, Ethiopia. *African Journal of Environmental Science & Technology* 13(6): 228-240.
- 13.** Zandebasiri, M., Vacik, H., **Etongo, D.**, Dorfstetter, Y., Soosani, J., Pourhashemi, M. (2019). Application of time-cost trade-off model in forest management projects: the case of Oak decline project. *Journal of Forest Science* 65: 481-492.
- 12.** **Etongo, D.**, Epule, T.E., Djenontin, I.N.S., Kanninen, M. (2018). Land management in rural Burkina Faso: the role of socio-cultural and institutional factors. *Natural Resources Forum*, DOI: 10.1111/1477-8947.12153
- 11.** Mukete, B., Sun, Y., **Etongo, D.**, Ekoungoulou, R., Folega, F., Sajjad, S., Ngoe, M., Ndiaye, G. (2018). Household characteristics and forest resource dependence in the Rumpi Hills of Cameroon. *Applied Ecology and Environmental Research*, 16(3): 2755-2779.
- 10.** Mukete, B., Sun, Y., **Etongo, D.**, Sajjad, S., Mannan, A. (2018). Assessing the Drivers of Land Use Change in the Rumpi hills forest protected area, Cameroon. *Journal of Sustainable Forestry*, DOI: 10.1080/10549811.2018.1449121
- 9.** **Etongo, D.**, Kanninen, M., Epule, T.E., Fobissie, K. (2018). Assessing the effectiveness of joint forest management in Southern Burkina Faso: A SWOT-AHP analysis. *Forest Policy & Economics*, 90: 31-38.

8. Mukete, B., Sun, Y., **Etongo, D.**, Sajjad, S., Ngoe, M., Tamungang, R. (2018). Cameroon Must Focus on SDGs in its Economic Development Plans. *Environment: Science and Policy for Sustainable Development*, 60:(2), 25-32, DOI: 10.1080/00139157.2018.1419008
7. Fobissie, K., **Etongo, D.**, Kanninen, M. (2017). An integrated approach to capacity development in forestry and climate change in West Africa. *Journal of Sustainable Development*, Vol. 10, No. 5; ISSN – 9063 E-ISSN 1913 – 9071.
6. Tabi, A.F., **Etongo, D.**, Abdoulaye, R. (2017). Assessing the sustainability of fuelwood production and its potential impact on REDD+ in Burkina Faso. *International Journal of Environmental Studies*, <https://doi.org/10.1080/00207233.2017.1386435>
5. **Etongo, D.**, Djenontin, I.N.S., Kanninen, M. and Glover, E.K. (2016). Assessing use-values and relative importance of trees for livelihood values and their potentials for environmental protection in Southern Burkina Faso. *Environment, Development and Sustainability*, 19: 1141-1166 DOI: 10. 1007/s10668-016-9787-6.
4. **Etongo, D.**, Djenontin, I.N.S. and Kanninen, M. (2016). Poverty and environmental degradation in Southern Burkina Faso: An assessment based on participatory methods. *Land*, 5, 20; doi:10.3390/land5030020
3. **Etongo, D.**, Djenontin, I.N.S., Kanninen, M., Fobissie, K., Korhonen-Kurki, K., Djoudi, H. (2015). Land tenure, asset heterogeneity and deforestation in Southern Burkina Faso. *Forest Policy and Economics* 61:51-58.
2. **Etongo, D.**, Djenontin, I.N.S., Kanninen, M., Fobissie, K. (2015). Smallholders' Tree Planting Activity in the Ziro Province, Southern Burkina Faso: Impacts on Livelihood and Policy Implications. *Forests*, 6, 2655-2677; doi: 10.3390/f6082655
1. **Etongo D.**, Glover EK. (2011). Participatory resource mapping for livelihood values derived from the forest in Ekondo-titi subregion, Cameroon: A gender analysis. *International Journal of Forestry Research* doi:10.1155/2012/871068

Peer-reviewed book chapters:

3. Epule TE., Chehbouni A., Ongoma V., Dhiba D., Chfadi T., Jemo M., Er-Raki S., Khabba S., **Etongo D.**, Molua EL., Marinez-Cruz AL. (2023). Nutrient management in agriculture: the contributions of organic and conventional nutrients to food security and the environment in Africa. In *Organic farming: global perspectives and methods*, Second Edition, Elsevier.
2. **Etongo, D.**, Amelie, V., Pouponneau, A., Leal Filho, W. (2021). Identifying and overcoming barriers to climate change adaptation in the Seychelles, in: W. Leal Filho, N. Oguge, D. Ayala, L. Adeleke, I. da Silva (Eds.), *African Handbook of Climate Change Adaptation*, Springer, Cham, 2020, doi:10.1007/978-3-030-45106-6_136.

1. Kongsager R., **Etongo D.**, Vongvisouk T., Tompsett C., Pasgaard M., Krause T., Loaiza T., Hirsch C. (2012). REDD+ and tenure rights. In book: REDD: Insights from the field Publisher: University of Oslo, Centre for Development and the Environment. Editors: Cecilie Hirsch, Mariel Aguilar-Stoen, Desmond McNeill

Papers in conference proceedings:

3. **Etongo D.**, Djenontin IN. (2015). In the absence of fallow land: Assessing the adoption potential of agricultural land management practices by smallholder farmers in Southern Burkina Faso. Eleventh International Conference on Environmental, Cultural, Economic and Social Sustainability, Copenhagen, Denmark.

2. **Etongo D.**, Glover EK. (2014). Water scarcity in the Ekondo-titi sub-region, Cameroon: Issues and perspectives. International Union of Forest Research Organizations, 2014 World Congress: Salt Lake City, Utah, USA

1. **Etongo D.** (2011). Landscape ecological mapping and rural land use change in Ekondo-titi sub-division, South West Region of Cameroon. Landscape Ecology and Ecosystem Services. Proceedings of the 18th Annual Conference of the International Association of Landscape Ecology (UK Chapter), University of Wolverhampton 6-8 September 2011. Edited by Christopher Young, Lynn Besenyey, Ian Hooper and Karl Moreton-Jones.

Technical reports:

4. Muthumbi A, Mozumdar L, Adu-Ampomah J, Li-Lian W, Wangondu V, **Etongo D**, Shampa S, Islam MA, Kamau T, Bristol U, Kinyunzu J, Zannat E, Musyoki C, Bleischwitz R. (2023). [COVID-19 AND CLIMATE CHANGE: PROSPECTS FOR A 'GREEN'RECOVERY IN THE INDIAN OCEAN REGION](#). Indian Ocean Rim Association.

3. Krütli P, Nef D, Kangethe P, **Etongo D**, Stauffacher M. (2021). [Sustainable Land Use–Seychelles' Transport System. USYS TdLab Transdisciplinary Case Study 2021](#). University of Seychelles and ETH Zurich.

2. **Etongo D.** (2021). Analytical study on the relationship between climate change, gender and youth in Seychelles. Consultancy Report – UNDP Climate Promise Initiative, Government of Seychelles.

1. Fobissie K., Kanninen M., **Etongo D.** (2016). A systematic approach to strengthening capacities on climate change and natural resource management in West Africa. Viikki Tropical Resources Institute (VITRI), Brief Number 2, 2016.