Lorena M. Benitez

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EDUCATION	
PhD in Atmospheric and Environmental Sciences Satellite Data in Environmental Science Centre for Doctoral Training (SENSE CDT) School of Geosciences, University of Edinburgh, Edinburgh, UK	2022- Present
Master of Environmental Science Yale School of the Environment, Yale University, New Haven, CT	2020
Bachelor of Arts in Integrative Biology Harvard University, Cambridge, MA	2017

Publications

- Benitez, L., Muchawona, A., Bowers, S., Chinofunga, A., Nyamugadza, E., Gotore, T., & Ryan, C.M. (In prep). Mapping the vegetation of Zimbabwe and assessing its composition, diversity, and carbon stocks.
- Gotore, T., Muchawona, A., Archibald, S., **Benitez, L.,** Tembani M.C., Murepa, R., Mutete, P., Nyamugadza, E., Gumbo, S.C., Mograbi, P., Ryan, C.M (Submitted). 30 years of growth measurements in the miombo woodlands of Zimbabwe. *Forest Ecology and Management*.
- Davies, R., Ryan, C.M., Harrison, R.C., Dexter, K., Ahrends, A., **Benitez, L.**, ... Edwards, D. (2023). Precipitation gradients drive high turnover in the world's largest savanna woodland. *Ecography*, e06720.
- Benitez, L., Kilian, J. W., Wittemyer, G., Hughey, L. F., Fleming, C. H., Leimgruber, P., ... & Stabach, J. A. (2022). Precipitation, vegetation productivity, and human impacts control home range size of elephants in dryland systems in northern Namibia. *Ecology and Evolution*, 12(9), e9288.
- Benitez, L., & Queenborough, S. A. (2021). Fruit trees drive small-scale movement of elephants in Kibale National Park, Uganda. *Biotropica*, 53(6), 1620-1630.
- **Benitez, L.** (2020) Using protected area shape to model the impact of hunting and access on the survival of an economically valuable species. *Tropical Resources Bulletin*, 39.
- Jones, K. E., **Benitez, L.,** Angielczyk, K. D., & Pierce, S. E. (2018). Adaptation and constraint in the evolution of the mammalian backbone. *BMC Evolutionary Biology*, 18(1), 172.

Awards and Fellowships

NSF Graduate Research Fellowship- Honorable Mention	2020
Best Master's Presentation, Yale Forestry & Environmental Studies Research Conference	2020
Leadership Scholarship (\$50,000), Yale School of Forestry and Environmental Studies	2018-2020
George Peabody Gardner Fellowship (\$24,000), Harvard University	2017

Job & Research Experience

School of Geosciences, University of Edinburgh, Edinburgh, UK	
A Socio-Ecological Observatory for Southern African Woodlands (SEOSAW) Project Officer	2021- Present
Resolving the current and future carbon dynamics of the dry tropics (SECO) Project Officer	2021-2022
Smithsonian Conservation Biology Institute, Front Royal, VA	
Movement of Life Intern	2020-2021
Save the Elephants, Nairobi, Kenya	
Remote volunteer	2020
Rare and Endangered Species Trust (REST), Outjo, Namibia	
Researcher and Primary Animal Caretaker	2017-2018
Koobi Fora Field School, Lake Turkana, Kenya	
Undergraduate Researcher; NSF Fellowship Recipient	2016
Ecology, Environmental and Conservation Biology REU, Cape Coast, Ghana	
Undergraduate Researcher; NSF Fellowship Recipient	2015

Professional Service

Interr	national Union for the Conservation of Nature (IUCN) World Conservation Congress, Marseille	France
	Head of Delegation for the Yale Tropical Resources Institute, 2021	
	Graduate Assistant to the IUCN World Commission on Protected Areas Beyond the Aichi Targets	Task Force, 2021
Ad H	oc Reviewer: International Journal of Biodiversity & Conservation	-
	national Society of Tropical Foresters Conference (ISTF), New Haven, CT	
	Content Director, 2020; Poster Coordinator, 2019	
	entations	
Invite	ed	
2022	Benitez, L. Elephant-landscape interactions across scales: Case studies from Uganda and Na	
	Futures, Ecological and Forestry Applications Research Centre (CREAF), Autonomous University o	f Barcelona,
	Barcelona, Spain.	
2022	Benitez, L. Elephants, Trails, and Fruit Trees: A Case Study from Kibale National Park, Ugar	nda, Behaviour,
_	Physiology and Ecology Seminar Series (BEPSS), Bangor University, Virtual.	
	ributed	
2023	Benitez, L. & Ryan, C. M. Gaps in Fragmentation: Existing literature on habitat fragmentation ignore	
	and savanna ecosystems. Lighting Talk. Forests & Livelihoods: Assessment, Research, and Enga	gement
	(FLARE) Network Annual Meeting, Nairobi, Kenya.	
2023	Benitez, L., Muchawona, A., Bowers, S., Chinofunga, A., Nyamugadza, E., Gotore, T., & Ryan, C. I	
	vegetation of Zimbabwe and assessing its composition, diversity, and carbon stocks. <i>Flash Talk</i> . Sava	inna Science
2021	Network Meeting, Kruger, South Africa.	٨
2021	Benitez, L., Kilian, W., Wittemyer, G., Hughey, L.F., Fleming, C.H., Leimgruber, P., and Stabach, J.	
	Environmental and anthropogenic factors predict elephant home range size across Namibia. <i>Contribu</i>	aea Taik.
2020	Ecological Society of America Conference, Virtual. Benitez, L.M. Fruit Trees Influence Elephant Movement in East African Forests. <i>Flash Talk.</i> Yale F	anaatma 8-
2020	Environmental Studies Research Conference, New Haven, CT.	orestry &
2020	Benitez, L.M. Resource Acquisition and Path Efficiency of Elephant Trails in Kibale National Park,	Ucondo Elash
2020	<i>Talk.</i> Tropical Resources Institute Research Symposium, New Haven, CT.	Oganda. 1 iusi)
2020	Benitez, L.M. Reconciling the Role of Elephants in Restoration. <i>Flash Talk</i> . International Society of	of Tropical
2020	Foresters Conference, New Haven, CT.	i i iopicui
2019	Benitez, L.M., Watts, D.P. Determining the Drivers and Efficiency of Elephant Trails in Kibale Nat	ional Park
	Uganda. Poster. The Wildlife Society Conference, Reno, NV.	·····,
2017	Benitez, L.M., Llera, C., Biernat, M., Braun, D.R., Hammond, A.S., Patterson, D.B., Barr, W.A. The	Implications of
	Faunal Abundance for Pleistocene Paleoenvironments in the Turkana Basin, Northern Kenya. Poster	
	Paleoanthropology Society Conference, Vancouver, BC.	
2017	Benitez, L.M., Jones, K.E., and Pierce, S.E. Vertebral Anatomy and Locomotor Evolution in Mamn	als: A Geometric
	Morphometrics Approach. Poster. Society of Integrative and Comparative Biology Conference, 1	
Work	shops and Teaching	
Emis	sion Factor from Deforestation Training Workshop, Harare, Zimbabwe	2022
	Capacity Building Initiative for Transparency Climate change in Zimbabwe	
	Instructor	
SEOS	AW Herbaceous Protocol Training Workshop, Morogoro, Tanzania	2022
	Logistics Coordinator	
SEOS	AW Data Cleaning and Analysis Workshop, Harare, Zimbabwe	2022
~	Instructor	
Cours	se Organizer	
_	Global Conservation Policy and Planning Independent Study, Yale YSE	2020
Teach	ning Assistant	
	Principles of Ecology and Evolutionary Biology, Yale College	2020

2019, 2020 2019

- Principles of Ecology and Evolutionary Biology, Ya Genetics and Development, Yale College Comparative Anatomy of Vertebrates, Yale College