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Running Title: SDM in SW Atlantic Ocean

Species distribution modelling in the Southwestern Atlantic Ocean: trends and systematic review

Lucas dos Santos Rodrigues^{1,2}; Nicholas Winterle Daudt³; Luis Gustavo Cardoso¹; Paul Gerhard Kinas⁴; David Conesa²; Maria Grazia Pennino⁵

¹Graduate Program in Biological Oceanography, Instituto de Oceanografia, Universidade Federal do Rio Grande, Rio Grande, Brazil

²Departament d'Estadística i Investigació Operativa, Universitat de València, Valencia, Spain

³Department of Marine Science, University of Otago, Dunedin, Aotearoa New Zealand

⁴Instituto de Matemática, Estatística e Física, Universidade Federal do Rio Grande, Rio Grande, Brazil

⁵Instituto Español de Oceanografia (IEO-CSIC), Madrid, Spain

Additional authorship option: LdSR and NWD should be considered joint first authors

E-mail addresses: lds_rodrigues@outlook.com; nicholaswdaudt@gmail.com

Supplementary Material 2

Table S1. Top-10 journal publishing about SDM in SWAO, among the 62 retained articles, their impact factor and h-index.

Journal	Number of articles	IF†	h-index
Journal of Biogeography	4	3.91	158
Marine Ecology Progress Series	4	2.92	188
Plos One	4	3.70	332
Fronties in Marine Science	3	5.25	85
Animal Conservation	2	3.40	222
Canadian Journal of Fisheries and aquatic Sciences	2	3.10	153
Estuarine, Coastal and Shelf Science	2	2.84	134
Fisheries Oceanography	2	2.67	80
ICES Journal of Marine Science	2	3.91	117
Journal of Experimental Marine Biology and Ecology	2	2.48	137

^{†:} Impact Factor of 2022 (JCR)

Table S2. Top-10 most cited articles about SDM in SWAO, among the 62 retained articles, their authors, journal, publication year and DOI.

Article title	Authors	Journal	Year	doi	citations †
Global habitat suitability of cold-water octocorals	Yesson et al.	Journal of Biogeography	2012	10.1111/j.1365- 2699.2011.02681.x	137
Year-round distribution suggests spatial segregation of two small petrel species in the South Atlantic	Quillfeldt et al.	Journal of Biogeography	2013	10.1111/jbi.12008	55
Oceanographic changes and exploitation drive the spatio-temporal dynamics of Atlantic bluefin tuna (Thunnus thynnus)	Fromentin et al.	Fisheries Oceanography	2014	10.1111/fog.12050	49
Invasive potential of the coral Tubastraea coccinea in the southwest Atlantic	Riul et al.	Marine Ecology Progress Series	2013	10.3354/meps10200	43
Habitat suitability analysis and identification of potential fishing grounds for swordfish, Xiphias gladius, in the South Atlantic Ocean	Chang et al.	International Journal of Remote Sensing	2012	10.1080/01431161.2012.685980	40
Leapfrog migration and habitat preferences of a small oceanic seabird, Bulwer's petrel (Bulweria bulwerii)	Ramos et al.	Journal of Biogeography	2015	10.1111/jbi.12541	40
Spatial predictions of blue shark (Prionace glauca) catch rate and catch probability of juveniles in the Southwest Atlantic	Carvalho et al.	ICES Journal of Marine Science	2011	10.1093/icesjms/fsr047	37
Ecological niche modeling of Stenella dolphins (Cetartiodactyla: Delphinidae) in the southwestern Atlantic Ocean	do Amaral et al.	Journal of Experimental Marine Biology and Ecology	2015	10.1016/j.jembe.2015.07.013	36
Predicting species distribution from fishers' local ecological knowledge: a new alternative for datapoor management	Lopes et al.	Canadian Journal of Fisheries and aquatic Sciences	2019	10.1139/cjfas-2018-0148	33
Staying ahead of invaders: using species distribution modeling to predict alien species' potential niche shifts	Battini et al.	Marine Ecology Progress Series	2019	10.3354/meps12878	22

^{†:} updated on the 10th of May 2023

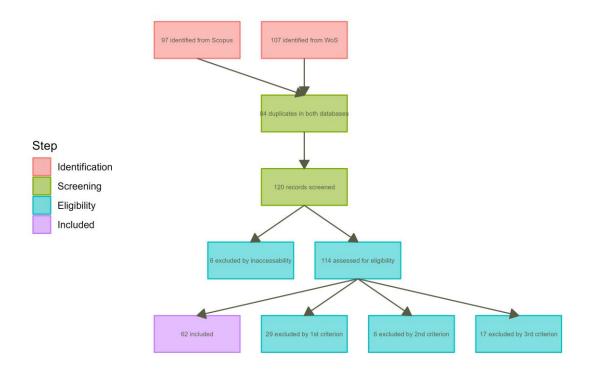


Figure S1. PRISMA diagram showing the numbers from the identified literature to their inclusion in the bibliometric analyses.

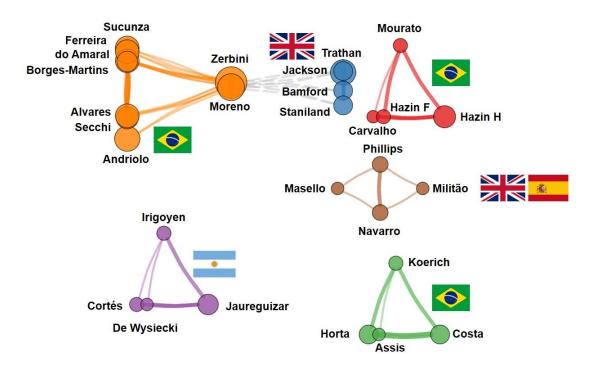


Figure S2. Expanded collaboration network among the 30 most frequent authors, accessed through coauthorship.