

Appendix A

- Rodríguez-Rodríguez D, Sebastiao J, Salvo Tierra AE, Martínez-Vega J (2019) Effect of protected areas in reducing land development across geographic and climate conditions of a rapidly developing country, Spain. *Land Degradation & Development* 30: 991-1005. <https://doi.org/10.1002/ldr.3286>
- Hellwig N, Walz A, Markovic D (2019) Climatic and socioeconomic effects on land cover changes across Europe: Does protected area designation matter? *PLoS ONE* 14(7): e0219374. <https://doi.org/10.1371/journal.pone.0219374>
- Guidetti P, Addis P, Atzori F, Bussotti S, Calò A et al. (2019) Assessing the potential of marine Natura 2000 sites to produce ecosystem-wide effects in rocky reefs: A case study from Sardinia Island (Italy). *Aquatic Conservation: Marine & Freshwater Environment* 29: 537-545. <https://doi.org/10.1002/aqc.3026>
- da Silva C, Zenóbia de Oliveira L, Balée W, Franco M et al. (2019) Human impact on the abundance of useful species in a protected area of the Brazilian Cerrado by people perception and biological data, *Landscape Research*, 44:1, 75-87. <https://doi.org/10.1080/01426397.2017.1396304>
- Anderson A, Batista M, Gibran F et al. (2019) Habitat use of five key species of reef fish in rocky reef systems of southern Brazil: evidences of MPA effectiveness. *Mar Biodiv* 49: 1027–1036. <https://doi.org/10.1007/s12526-018-0893-6>
- Kilungu H, Leemans R, Munishi P, Nicholls S, Amelung B (2019) Forty Years of Climate and Land-Cover Change and its Effects on Tourism Resources in Kilimanjaro National Park. *Tourism Planning & Development* 16 (2): 235-253. <https://doi.org/10.1080/21568316.2019.1569121>
- Eddy TD, Friedlander AM, Salinas de León P (2019). Ecosystem effects offishing & El Niño at the Galápagos Marine Reserve. <https://doi.org/10.7717/peerj.6878>
- Llopis J, Harimalala P, Bär R, Heinimann A, et al. (2019) Effects of protected area establishment and cash crop price dynamics on land use transitions 1990–2017 in north-eastern Madagascar. *Journal of Land Use Science* Volume 14, 2019 - Issue 1: 52-80. <https://doi.org/10.1080/1747423X.2019.1625979>
- Merkohasanaj M, Rodríguez-Rodríguez D, García Martínez M, Vargas-Yáñez M, et al. (2019) Assessing the environmental effectiveness of the Spanish Marine Reserve Network using remote sensing. *Ecological Indicators* Volume 107, December 2019, 105583. <https://doi.org/10.1016/j.ecolind.2019.105583>
- Yuh YG, Dongmo ZN, N’Goran PK et al. (2019) Effects of Land cover change on Great Apes distribution at the Lobéké National Park and its surrounding Forest Management Units, South-East Cameroon. A 13 year time series analysis. *Sci Rep* 9, 1445 (2019). <https://doi.org/10.1038/s41598-018-36225-2>
- Qian D, Cao G, Du Y, Li Q, Guo X (2019) Impacts of climate change and human factors on land cover change in inland mountain protected areas: a case study of the

- Qilian Mountain National Nature Reserve in China. *Environ Monit Assess.* 2019 Jul 9; 191 (8): 486. doi: 10.1007/s10661-019-7619-5. PMID: 31289942.
- Zhu P, Cao W, Huang L, Xiao T, Zhai J (2019) The Impacts of Human Activities on Ecosystems within China's Nature Reserves. *Sustainability* 2019, 11(23), 6629. <https://doi.org/10.3390/su11236629>
- Mona M, El-Naggar H, El-Gayar E, Masood M, "et al." (2019) Effect of human activities on biodiversity in Nabq Protected Area, South Sinai, Egypt. *The Egyptian Journal of Aquatic Research*, Volume 45, Issue 1: 33-43. <https://doi.org/10.1016/j.ejar.2018.12.001>.
- Biró M, Bölöni J, Molnár Z (2018) Use of long-term data to evaluate loss and endangerment status of Natura 2000 habitats and effects of protected areas. *Conserv Biol.* 2018 Jun; 32 (3): 660-671. <https://onlinelibrary.wiley.com/doi/full/10.1111/cobi.13038>
- Rodríguez-Rodríguez D, Martínez-Vega J (2018) Protected area effectiveness against land development in Spain. *J Environ Manage.* 215:345-357. <https://www.sciencedirect.com/science/article/pii/S0301479718302342?via%3Dihub>
- Salghuna N, Rama Chandra Prasad R, Asha Kumari J (2018) Assessing the impact of land use and land cover changes on the remnant patches of Kondapalli reserve forest of the Eastern Ghats, Andhra Pradesh, India. *The Egyptian Journal of Remote Sensing and Space Science*, Volume 24, Issue 2, August 2021: 329-330. <https://doi.org/10.1016/j.ejrs.2018.01.005>
- Muñoz Brenes CL, Jones KW, Schlesinger P, Robalino J, Vierling L (2018) The impact of protected area governance and management capacity on ecosystem function in Central America. *PLoS One.* 2018 Oct 18; 13(10): e0205964. <http://hdl.handle.net/11554/9539>
- Jin Y, Fan H (2018) Land use/land cover change and its impacts on protected areas in Mengla County, Xishuangbanna, Southwest China. *Environ Monit Assess.* 2018 Aug 10; 190 (9): 509. doi: 10.1007/s10661-018-6891-0. PMID: 30094764
- Beresford A, Buchanan G, Phalan B, Eshiamwata G et al. (2018) Correlates of long-term land-cover change and protected area performance at priority conservation sites in Africa. *ENVIRONMENTAL CONSERVATION*, ISSN 0376-8929, 45 (1): 49-57, JRC100414. <https://doi.org/10.1017/S0376892917000157>
- Egerton JP, Johnson AF, Turner J et al. (2018) Hydroacoustics as a tool to examine the effects of Marine Protected Areas and habitat type on marine fish communities. *Sci Rep* 8, 47 (2018). <https://doi.org/10.1038/s41598-017-18353-3>
- da Silva M, Paviolo A, Reverberi Tambosi L, Pardini R (2018) Effectiveness of Protected Areas for biodiversity conservation: Mammal occupancy patterns in the Iguaçu National Park, Brazil. *Journal for Nature Conservation* Volume 41, February 2018: 51-62. <https://doi.org/10.1016/j.jnc.2017.11.001>

- Starrs C, Butsic V, Stephens C, Stewart WJ (2018) The impact of land ownership, firefighting, and reserve status on fire probability in California. *Environmental Research Letters*, 13, 034025. <https://doi.org/10.1088/1748-9326/aaaad1>
- Rodríguez-Rodríguez D, Martínez-Vega J (2018) Effect of legal protection and management of protected areas at preventing land development: a Spanish case study. *Reg Environ Change* 18: 2483–2494 (2018). <https://doi.org/10.1007/s10113-018-1369-8>
- Ngoc QTK Marine Policy (2017). <https://doi.org/10.1016/j.marpol.2017.12.015>
- Tapia-Armijos MF, Homeier J, Munt DD (2017) Spatio-temporal analysis of the human footprint in South Ecuador: Influence of human pressure on ecosystems and effectiveness of protected areas. *Applied Geography*, 78: 22-32. <https://doi.org/10.1016/j.apgeog.2016.10.007>
- Emets VM (2017) On assessment of the conservation effectiveness of Red Data insect species in the territories of a nature reserve and a nature sanctuary within the same reservation area (by the example of Voronezh Biosphere Nature Reservation). *Entmol. Rev.* 97: 20–29 (2017). <https://doi.org/10.1134/S0013873817010043>
- McKenna M, Gabriele C, Kipple B (2017). Effects of marine vessel management on the underwater acoustic environment of Glacier Bay National Park, AK. *Ocean & Coastal Management*, 139: 102-112.
- McCune JL, Van Natto A, MacDougall AS (2017) The efficacy of protected areas and private land for plant conservation in a fragmented landscape. *Landscape Ecol* 32: 871–882 (2017). <https://doi.org/10.1007/s10980-017-0491-1>
- Bonelli M, Manenti R, Scaccini D (2017) Mountain protected areas as refuges for threatened freshwater species: the detrimental effect of the direct introduction of alien species. *Journal on Protected Mountain Areas Research and Management*, 1: 23-29. <https://dx.doi.org/10.1553/eco.mont-9-2s23>
- Russ GR, Lowe JR, Rizzari JR, Bergseth BJ, Alcalá AC (2017) Partitioning no-take marine reserve (NTMR) and benthic habitat effects on density of small and large-bodied tropical wrasses. *PLoS One*. 2017 Dec 7; 12 (12): e0188515. doi: 10.1371/journal.pone.0188515.
- Zang Z, Zou X, Zuo P, Song Q, Wang C et al. (2017) Impact of landscape patterns on ecological vulnerability and ecosystem service values: An empirical analysis of Yancheng Nature Reserve in China. *Ecological Indicators* 72. <https://doi.org/10.1016/j.ecolind.2016.08.019>
- Friedlander AM, Golbuu Y, Ballesteros E, Caselle JE, et al. (2017) Size, age, and habitat determine effectiveness of Palau's Marine Protected Areas. *PLoS One*. 2017 Mar 30; 12 (3): e0174787. <http://hdl.handle.net/10261/147725>
- Vergara P, Meneses LO, Saavedra M, Diaz F, et al. (2017) Magellanic Woodpeckers in three national parks of central-southern Chile: habitat effects and population

variation over the last two decades. *Avian Conservation and Ecology*, 12.
0.5751/ACE-01106-120215

Gong, Minghao, Fan, Zhiyong, et al. (2017) Measuring the effectiveness of protected area management by comparing habitat utilization and threat dynamics. *Biological Conservation* 210: 253-260

[.http://www.sciencedirect.com/science/article/pii/S0006320717303944](http://www.sciencedirect.com/science/article/pii/S0006320717303944)

Trowbridge CD, Kachmarik K, Plowman CQ, Little C, et al. (2017) Biodiversity of shallow subtidal, under-rock invertebrates in Europe's first marine reserve: Effects of physical factors and scientific sampling, *Estuarine, Coastal and Shelf Science* (2017). <https://doi.org/10.1016/j.ecss.2016.12.022>.

Hiley JR, Bradbury RB and Thomas CD (2016) Impacts of Habitat Change and Protected Areas on Alpha and Beta Diversity of Mexican Birds. *Diversity & distributions*, v. 22,12: 1245-1254. <https://doi.org/10.1111/ddi.12483>

Watson HV, McKeown NJ, Coscia I, Wootton E, Ironside J (2016) Population genetic structure of the European lobster (*Homarus gammarus*) in the Irish Sea and implications for the effectiveness of the first British marine protected area. *Fisheries Research*, 183: 287-293. <https://hdl.handle.net/10.1016/j.fishres.2016.06.015>

Lagesse J, Thondhlana G (2016) The effect of land-use on small mammal diversity inside and outside the Great Fish River Nature Reserve, Eastern Cape, South Africa. *Journal of Arid Environments* 130: 76-83.
<https://doi.org/10.1016/j.jaridenv.2016.03.006>

Sweke EA, Assam JM, Chande A, Mbonde A et al. (2016) Comparing the Performance of Protected and Unprotected Areas in Conserving Freshwater Fish Abundance and Biodiversity in Lake Tanganyika, Tanzania. *International Journal of Ecology*, 2016: 1-7. <https://doi.org/10.1155/2016/7139689>

Schmidt M, Mbayngone E, Bachmann Y, Hahn K et al. (2016) The impact of land use on species composition and habitat structure in Sudanian savannas — A modelling study in protected areas and agricultural lands of southeastern Burkina Faso. *Candollea*, 71: 265 - 274.

Kroner RE, Krithivasan R, Mascia M (2016) Effects of protected area downsizing on habitat fragmentation in Yosemite National Park (USA), 1864 – 2014. *Ecology and Society*, 21, 22. <http://dx.doi.org/10.5751/ES-08679-210322>

Howarth LM, Roberts CM, Hawkins JP et al. (2015) Effects of ecosystem protection on scallop populations within a community-led temperate marine reserve. *Mar Biol* 162: 823–840 (2015). <https://doi.org/10.1007/s00227-015-2627-7>

Hermoso V, Filipe AF, Segurado P, Beja P (2015) Effectiveness of a large reserve network in protecting freshwater biodiversity: a test for the Iberian Peninsula. *Freshwater Biology*. Volume 60, Issue 4. April 2015: 698-710.
<https://doi.org/10.1111/fwb.12519>

Russ, Garry R, Miller, Kelsey I et al. (2015) Long-term no-take marine reserve and benthic habitat effects on coral reef fishes. *Marine Ecology Progress Series Vol.*

529 (June 8 2015): 233-248 (16 pages) Published By: Inter-Research Science Center. <https://www.jstor.org/stable/24895912>

- Harmelin-Vivien M, Cottalorda JM, Dominici JM, Harmelin JG et al. (2015) Effects of reserve protection level on the vulnerable fish species *Sciaena umbra* and implications for fishing management and policy, *Global Ecology and Conservation*, Volume 3, 2015: 279-287. <https://doi.org/10.1016/j.gecco.2014.12.005>.
- Françoso RD, Brandão RA, Nogueira C, Salmona YB et al. (2015) Habitat loss and the effectiveness of protected areas in the Cerrado Biodiversity Hotspot. *Natureza & Conservacao*, 13: 35-40. <https://doi.org/10.1016/j.ncon.2015.04.001>
- Russ GR, Bergseth BJ, Rizzari JR et al (2015) Decadal-scale effects of benthic habitat and marine reserve protection on Philippine goatfish (F: Mullidae). *Coral Reefs* 34: 773–787 (2015). <https://doi.org/10.1007/s00338-015-1296-9>
- Huang, Thomas CC, Kwong FA Lo (2015) Effects of Land Use Change on Sediment and Water Yields in Yang Ming Shan National Park, Taiwan. *Environments* 2, no. 1: 32-42. <https://doi.org/10.3390/environments2010032>
- Remteng C, Adepoju KA, Akinyede JO (2015) Geospatial Analysis of Fragmentation and its Effects on Biodiversity: A Case Study of Reserve Forest. *International Journal of Ecological Economics & Statistics (IJEES)* Volume 36, Issue 1, Year 2015, Int. J. Ecol. Econ. Stat. ISSN 0973-1385 (Print), ISSN 0973-7537 (Online) Copyright © 2015, CESER Publications
- Na XD, Zang SY, Zhang NN et al. (2015) Impact of land use and land cover dynamics on Zhalong wetland reserve ecosystem, Heilongjiang Province, China. *Int. J. Environ. Sci. Technol.* 12: 445–454 (2015). <https://doi.org/10.1007/s13762-013-0398-6>
- Velho N, Agarwala M, Srinivasan U et al. (2014) Collateral damage: impacts of ethno-civil strife on biodiversity and natural resource use near Indian nature reserves. *Biodivers Conserv* 23: 2515–2527 (2014). <https://doi.org/10.1007/s10531-014-0735-1>
- Carranza T, Balmford A, Kapos V, Manica A (2014) Protected Area Effectiveness in Reducing Conversion in a Rapidly Vanishing Ecosystem: The Brazilian Cerrado. *Conservation Letters*. Volume 7, Issue3 May/June 2014: 216-223. <https://doi.org/10.1111/conl.12049>
- Terra TN, dos Santos RF, Costa DV (2014) Land use changes in protected areas and their future: The legal effectiveness of landscape protection. *Land Use Policy*, Volume 38, 2014: 378-387, ISSN 0264-8377. <https://doi.org/10.1016/j.landusepol.2013.12.003>.
- Satumanatpan S, Senawongse P, Thansuporn W, Kirkman H (2014) Enhancing management effectiveness of environmental protected areas, Thailand. *Ocean & Coastal Management*, Volume 89, 2014: 1-10. ISSN 0964-5691. <https://doi.org/10.1016/j.ocecoaman.2013.12.001>.

- Machumu ME, Yakupitiyage A (2013) Effectiveness of marine protected areas in managing the drivers of ecosystem change: a case of Mnazi Bay Marine Park, Tanzania. *Ambio*. 2013 Apr;42(3): 369-80. doi: 10.1007/s13280-012-0352-8. Epub 2013 Jan 10. PMID: 23307198; PMCID: PMC3606699.
- Sieber A, Kuemmerle T, Prishchepov AV, Wendland KJ et al. (2013) Landsat-Based Mapping of Post-Soviet Land-Use Change to Assess the Effectiveness of the Oksky and Mordovsky Protected Areas in European Russia. *Remote Sensing of Environment*, vol. 133, Elsevier Inc, 2013: 38–51. <https://doi.org/10.1016/j.rse.2013.01.021>.
- Green JMH, Larrosa C, Burgess ND, Balmford A et al. (2013) Deforestation in an African biodiversity hotspot: Extent, variation and the effectiveness of protected areas. *Biological Conservation*, 164: 62-72. ISSN 0006-3207. <http://dx.doi.org/10.1016/j.biocon.2013.04.016>
- Rodríguez N, Armenteras D, Retana J (2013) Effectiveness of protected areas in the Colombian Andes: Deforestation, fire and land-use changes. *Regional Environmental Change*, 13(2): 423-435. <https://doi.org/10.1007/s10113-012-0356-8>
- Petrosillo I, Semeraro T, Zaccarelli N, Aretano R & Zurlini G (2013) The possible combined effects of land-use changes and climate conditions on the spatial-temporal patterns of primary production in a natural protected area. *Ecological Indicators*, 29: 367-375. <https://doi.org/10.1016/j.ecolind.2013.01.025>
- Alexander TJ & Gladstone W (2013) Assessing the effectiveness of a long-standing rocky intertidal protected area and its contribution to the regional conservation of species, habitats and assemblages. *Aquatic Conservation-marine and Freshwater Ecosystems*, 23: 111-123. <https://doi.org/10.1002/aqc.2284>
- Andam KS, Ferraro PJ, Hanauer MM (2013) The effects of protected area systems on ecosystem restoration: a quasi-experimental design to estimate the impact of Costa Rica's protected area system on forest regrowth. *Conservation Letters*. Volume 6, Issue 5. September/October 2013: 317-323. <https://doi.org/10.1111/conl.12004>
- Byers, Alton (2014) Contemporary Human Impacts on Subalpine and Alpine Ecosystems of the Hinku Valley, Makalu-Barun National Park and Buffer Zone, Nepal, Himalaya. *The Journal of the Association for Nepal and Himalayan Studies*: Vol. 33: No. 1, Article 8. <http://digitalcommons.mcalester.edu/himalaya/vol33/iss1/8>
- Ohnesorge B, Plieninger T and Hostert P (2013) Management effectiveness and land cover change in dynamic cultural landscapes—assessing a Central European biosphere reserve. *Ecology and Society* 18(4): 23. <http://dx.doi.org/10.5751/ES-05888-180423>
- Olds A, Connolly R, Pitt K & Maxwell P (2012) Habitat connectivity improves reserve performance. *Conservation Letters*, 5: 56-63. <https://doi.org/10.1111/j.1755-263X.2011.00204.x>

- López C, Poladura A, Hernández JC, Martín L et al. (2012) Contrasting effects of protection from harvesting in populations of two limpet species in a recently established marine protected area. *Scientia Marina*, 76 (4): 799–807, 2012. <https://doi.org/10.3989/scimar.03601.15C>
- Nautiyal S, Nidamanuri RR (2012) Ecological and socioeconomic impacts of conservation policies in biodiversity hotspots: a case study from Rajiv Gandhi National Park, India. *J Environ Stud Sci* 2: 165–177 (2012). <https://doi.org/10.1007/s13412-011-0052-x>
- Gaveau DLA, Curran LM, Paoli GD, Carlson KM et al. (2012) Examining protected area effectiveness in Sumatra: Importance of regulations governing unprotected lands. *Conservation Letters*, 5 (2): 142-148. <https://doi.org/10.1111/j.1755-263X.2011.00220.x>
- Schmitz MF, Matos DGG, De Aranzabal I, Ruiz-Labourdette D, Pineda FD (2012) Effects of a protected area on land-use dynamics and socioeconomic development of local populations. *Biological Conservation*, Volume 149, Issue 1, 2012: 122-135, ISSN 0006-3207. <https://doi.org/10.1016/j.biocon.2012.01.043>.
- Xie Z, Liu J, Ma Z, Duan X & Cui Y (2012) Effect of surrounding land-use change on the wetland landscape pattern of a natural protected area in Tianjin, China. *International Journal of Sustainable Development & World Ecology*, 19:1, 16-24. <https://doi.org/10.1080/13504509.2011.583697>
- Dong H, Li Y, Wang Q et al. (2011) Impacts of invasive plants on ecosystems in natural reserves in Jiangsu of China. *Russ J Ecol* 42: 133–137 (2011). <https://doi.org/10.1134/S1067413611020044>.
- Nacoulma BMI, Schumann K, Traoré S et al. (2011) Impacts of land-use on West African savanna vegetation: a comparison between protected and communal area in Burkina Faso. *Biodivers Conserv* 20: 3341–3362. <https://doi.org/10.1007/s10531-011-0114-0>
- Linder J & Oates J (2011). Differential impact of bushmeat hunting on monkey species and implications for primate conservation in Korup National Park, Cameroon. *Biological Conservation*, 144: 738-745. <https://doi.org/10.1016/j.biocon.2010.10.023>
- Rodríguez-Loinaz G, Amezaga I and Onaindia M (2011) Efficacy of Management Policies on Protection and Recovery of Natural Ecosystems in the Urdaibai Biosphere Reserve. *Natural Areas Journal* 31(4): 358-367, (1 October 2011). <https://doi.org/10.3375/043.031.0406>
- Simelane TS (2010) Impacts of traditional land uses on biodiversity outside conservation areas: effects on dung beetle communities of Vaalbos National Park. *African journal of ecology* Volume 48. Issue 2: 490-501. ISSN: 0141-6707. <http://dx.doi.org/10.1111/j.1365-2028.2009.01138.x>.

Tkachenko KS & Soong K (2010) Protection of habitat types: a case study of the effectiveness of a small marine reserve and impacts of different habitats on the diversity and abundance of coral reef fishes. *Zoological Studies*, 49: 195-210.

Jaworski A, Sólmundsson J & Ragnarsson S (2010) Fish assemblages inside and outside marine protected areas of northern Iceland: protection effects or environmental confounds? *Fisheries Research*, 102: 50-59.