Supplementary Online Materials for ipmr: Flexibly implement Integral Projection Models in R

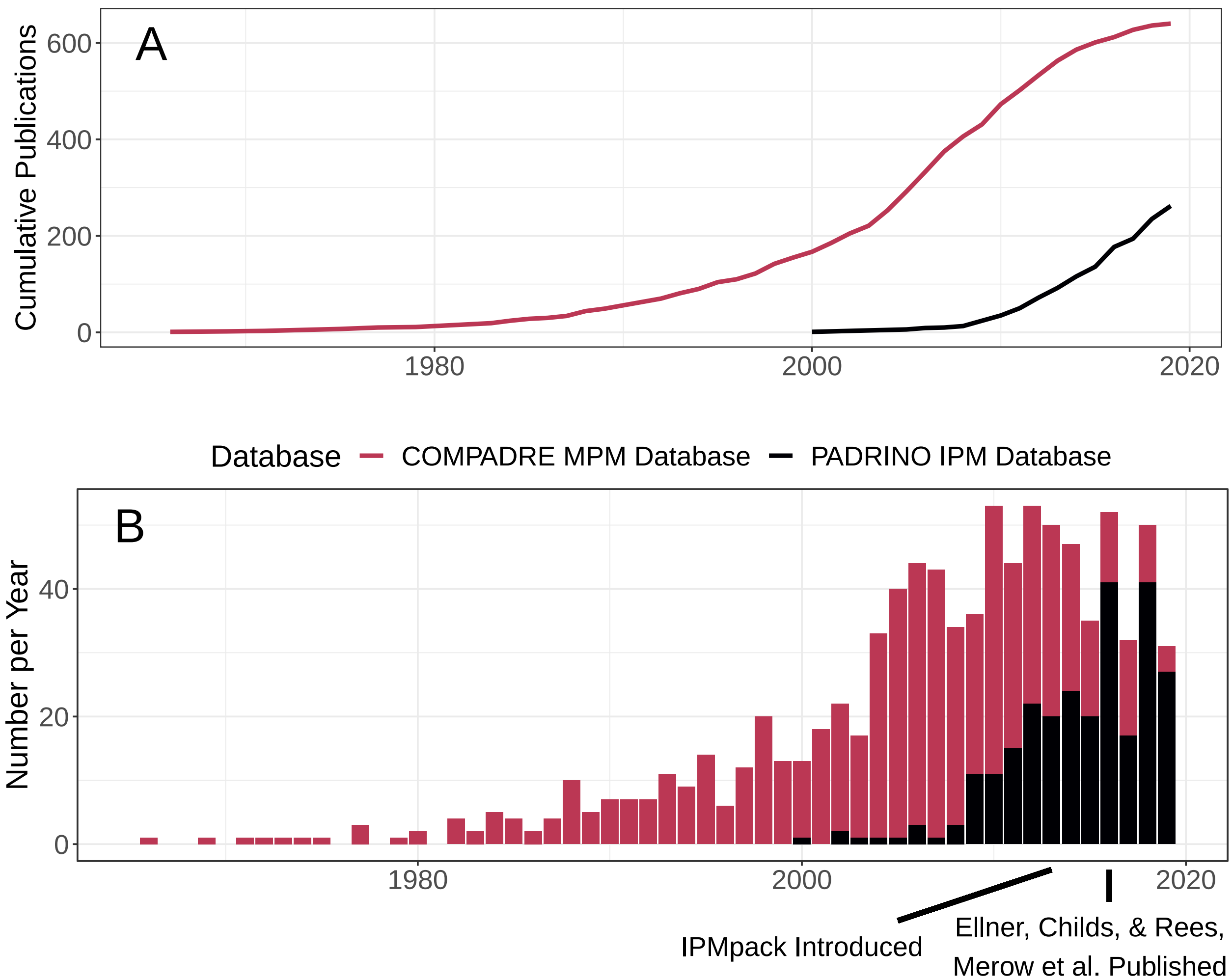

Figure 1: Figure S1: The usage of integral projection models (IPMs) has increased rapidly since their introduction. Cumulative number of publications using matrix projection models (MPMs, red) and IPMs (black) (A) and number of publications per year for each type of model (B). IPMs have been adopted rapidly since their introduction in 2000. Unfortunately, software packages to assist with their implementation have not kept pace with their theoretical advancements and applications to ever more complex demographic data.

Table 1: Table S1: Table of species, kingdom, and publications for papers that contain Integral Projection Models. This table is not exhaustive and does not include some papers for which species and kingdom information is not relevant (e.g. papers developing new theory relying on simulated data).

Species	Kingdom	Full Citation
Celtis zenkeri	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Staudtia kamerunensis	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Coelocaryon preussii	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Musanga cecropioides	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Carapa procera	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Garcinia punctata	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Dasylepis seretii	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Trichilia rubescens	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Rinorea oblongifolia	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Pycnanthus angolensis	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Pancovia laurentii	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Trilepisium madagascariense	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Diospyros iturensis	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Petersianthus macrocarpus	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Eribroma oblongum	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Synsepalum stipulatum	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Trichilia prieurieana	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Scottellia coriacea	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Drypetes chevalieri	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Angylocalyx pynaertii	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Manilkara mabokensis	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Manilkara pellegriniana	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.

Polyalthia suaveolens	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Pausinystalia macroceras	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Entandrophragma cylindricum	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Macaranga paxii	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Celtis mildbraedii	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Guarea laurentii	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Diospyros canaliculata	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Drypetes gilgiana	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Cola lateritia	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Strombosia grandifolia	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Dialium guineense	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Diospyros crassiflora	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Corynanthe pachyceras	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Triplochiton scleroxylon	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Lecaniodiscus cupanioides	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Anonidium mannii	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Cola nitida	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Funtumia elastica	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Santiria trimera	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Pouteria altissima	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Chrysophyllum africanum	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Celtis adolfi-friderici	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Strombosiopsis tetrandra	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Aubrevillea kerstingii	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Drypetes sp.	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Ricinodendron heudelotii	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.

Entandrophragma angolense	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Drypetes obanensis	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Khaya anthotheca	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Albizia glaberrima	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Chrysophyllum lacourtianum	Plantae	Picard, N., & Liang, J. (2014). Matrix models for size-structured populations: unrealistic fast growth or simply diffusion?. PloS one, 9(6), e98254.
Sancassania berlesei	Animalia	Ozgul A, Coulson T, Reynolds A, Cameron TC & Benton TG (2012) Population responses to perturbations: the importance of trait-based analysis illustrated through a microcosm experiment. American Naturalist 179: 582-594
Phyteuma spicatum	Plantae	Kolb A (2012) Differential effects of herbivory and pathogen infestation on plant population dynamics. Plant Ecology 213: 315-326
Phyteuma spicatum	Plantae	Kolb A, Dahlgren JP & Ehrlén (2010) Population size affects vital rates but not population growth rate of a perennial plant. Ecology 91: 3210-3217
Tridacna maxima	Animalia	Yau, A. J. Y. (2011). Size-based approaches to modeling and managing local populations: A case study using an artisanal fishery for giant clams, Tridacna maxima. University of California, Santa Barbara.
Tridacna maxima	Animalia	Yau, A. J., Lenihan, H. S., & Kendall, B. E. (2014). Fishery management priorities vary with self-recruitment in sedentary marine populations. Ecological Applications, 24(6), 1490-1504.
Cirsium vulgare	Plantae	Tenhumberg, B., Suwa, T., Tyre, A. J., Russell, F. L., & Louda, S. M. (2015). Integral projection models show exotic thistle is more limited than native thistle by ambient competition and herbivory. Ecosphere, 6(4), art69.
Aconitum noveborancense	Plantae	Easterling MR, Ellner SP & Dixon PM (2000) Size-specific sensitivity: applying a new structured population model. Ecology 81: 694-708
Oenothera glazioviana	Plantae	Godfray, H. Charles J., and Mark Rees. "Population growth rates: issues and an application." Philosophical Transactions of the Royal Society B: Biological Sciences 357.1425 (2002): 1307-1319.
Aeonium arboreum	Plantae	Pannell, J. L. (2016). Climatic limitation of alien weeds in New Zealand: enhancing species distribution models with field data (Doctoral dissertation, Lincoln University).
Aeonium haworthii	Plantae	Pannell, J. L. (2016). Climatic limitation of alien weeds in New Zealand: enhancing species distribution models with field data (Doctoral dissertation, Lincoln University).
Cecropia obtusifolia	Plantae	Metcalf CJE, Horvitz CC, Tuljapurkar S & Clark DA (2009) A time to grow and a time to die: a new way to analyze the dynamics of size, light, age, and death of tropical trees. Ecology 90: 2766-2778
Cecropia insignis	Plantae	Metcalf CJE, Horvitz CC, Tuljapurkar S & Clark DA (2009) A time to grow and a time to die: a new way to analyze the dynamics of size, light, age, and death of tropical trees. Ecology 90: 2766-2778
Simarouba amara	Plantae	Metcalf CJE, Horvitz CC, Tuljapurkar S & Clark DA (2009) A time to grow and a time to die: a new way to analyze the dynamics of size, light, age, and death of tropical trees. Ecology 90: 2766-2778
Minquartia guianensis	Plantae	Metcalf CJE, Horvitz CC, Tuljapurkar S & Clark DA (2009) A time to grow and a time to die: a new way to analyze the dynamics of size, light, age, and death of tropical trees. Ecology 90: 2766-2778
Balizia elegans	Plantae	Metcalf CJE, Horvitz CC, Tuljapurkar S & Clark DA (2009) A time to grow and a time to die: a new way to analyze the dynamics of size, light, age, and death of tropical trees. Ecology 90: 2766-2778

Hymenolobium mesoamericanum	Plantae	Metcalf CJE, Horvitz CC, Tuljapurkar S & Clark DA (2009) A time to grow and a time to die: a new way to analyze the dynamics of size, light, age, and death of tropical trees. Ecology 90: 2766-2778
Lecythis ampla	Plantae	Metcalf CJE, Horvitz CC, Tuljapurkar S & Clark DA (2009) A time to grow and a time to die: a new way to analyze the dynamics of size, light, age, and death of tropical trees. Ecology 90: 2766-2778
Dipteryx panamensis	Plantae	Metcalf CJE, Horvitz CC, Tuljapurkar S & Clark DA (2009) A time to grow and a time to die: a new way to analyze the dynamics of size, light, age, and death of tropical trees. Ecology 90: 2766-2778
Hyeronima alchorneoides	Plantae	Metcalf CJE, Horvitz CC, Tuljapurkar S & Clark DA (2009) A time to grow and a time to die: a new way to analyze the dynamics of size, light, age, and death of tropical trees. Ecology 90: 2766-2778
Hypericum cumulicola	Plantae	Metcalf CJE, McMahon SM, Salguero-Gómez R & Jongejans E (2013) IPMpack: an R package for Integral Projection Models. Methods in Ecology and Evolution 4: 195-200
Arabidopsis thaliana	Plantae	Metcalf CJE & Mitchell-Olds T (2009) Life history in a model system: opening the black box with Arabidopsis thaliana. Ecology Letters 12: 593-600
Carduus nutans	Plantae	Metcalf CJE, Rees M, Buckley YM & Sheppard AW (2009) Seed predators and the evolutionary stable flowering staregy in the invasive plant Carduus nutans. Evolutionary Ecology 23: 893-906
Oenothera glazioviana	Plantae	Metcalf CJE, Rose KE & Rees M (2003) Evolutionary demography of monocarpic perennials. Trends in Ecology and Evolution 18: 471-180
Carlina vulgaris	Plantae	Metcalf, C. J. E., Ellner, S., Childs, D. Z., Salguero?Gómez, R., Merow, C., McMahon, S. M., ... & Rees, M. (2015). Statistical modeling of annual variation for inference on stochastic population dynamics using Integral Projection Models. Methods in Ecology and Evolution.
Ovis aries	Animalia	Metcalf, C. J. E., Ellner, S., Childs, D. Z., Salguero?Gómez, R., Merow, C., McMahon, S. M., ... & Rees, M. (2015). Statistical modeling of annual variation for inference on stochastic population dynamics using Integral Projection Models. Methods in Ecology and Evolution.
Ovis aries	Animalia	Childs DZ, Coulson TN, Pemberton JM, Clutton-Brock TH & Rees M (2011) Predicting trait values and measuring selection in complex life histories: reproductive allcoation decisions in Soay sheep. Ecology Letters 14: 985-992
Polygonum cuspidatum	Plantae	Dauer JT & Jongejans E (2013) Elucidating the population dynamics of Japanese knotweed using integral projection models. PLOS ONE in 8:e75181
Mammillaria dixanthocentron	Plantae	González, E. J., Rees, M., & Martorell, C. (2013). Identifying the demographic processes relevant for species conservation in human-impacted areas: does the model matter?. Oecologia, 171(2), 347-356.
Mammillaria hernandezii	Plantae	González, E. J., Rees, M., & Martorell, C. (2013). Identifying the demographic processes relevant for species conservation in human-impacted areas: does the model matter?. Oecologia, 171(2), 347-356.
Actaea spicata	Plantae	Ehrlén, J., Raabova, J., & Dahlgren, J. P. (2015). Flowering schedule in a perennial plant-Life-history trade-offs, seed predation and total offspring fitness. Ecology.
Borderea pyrenaica	Plantae	García MB, Dahlgren JP & Ehrlén J (2011) No evidence of senescence in a 300-year-old mountain herb. Journal of Ecology 99: 1424-1430
Alliaria petiolata	Plantae	Merow, C., Bois, S. T., Allen, J. M., Xie, Y., Silander Jr., J. A. (2017). Climate change both facilitates and inhibits invasive plant ranges in New England. PNAS Vol. 114, Issue 16.
Onopordum illyricum	Plantae	Ellner SP & Rees M (2006) Integral projection models for species with complex demography. American Naturalist 167: 410-428

Onopordum illyricum	Plantae	Ellner SP & Rees M (2007) Stochastic stable population growth in integral projection models: theory and application. Journal of Mathematical Biology 54: 227-256
Lepidium latifolium	Plantae	Ellner SP & Schreiber SJ (2012) Temporarilly variable dispersal and demography can accelerate the spread of invading species. Theoretical Population Biology 82: 283-298
Veratrum album	Plantae	Hesse E, Rees M & Müller-Schärer (2008) Life-history variation in contrasting habitats: flowering decision in a clonal perennial herb (Veratrum album). American Naturalist 172: 196-213
Crematogaster laevis	Animalia	Bruna, E. M., Izzo, T. J., Inouye, B. D., & Vasconcelos, H. L. (2014). Effect of mutualist partner identity on plant demography. Ecology, 95(12), 3237-3243.
Pheidole minutula	Animalia	Bruna, E. M., Izzo, T. J., Inouye, B. D., & Vasconcelos, H. L. (2014). Effect of mutualist partner identity on plant demography. Ecology, 95(12), 3237-3243.
Ovis aries	Animalia	Simmonds, E. G., & Coulson, T. (2015). Analysis of phenotypic change in relation to climatic drivers in a population of Soay sheep Ovis aries. Oikos, 124(5), 543-552.
Carduus nutans	Plantae	Jongejans E, Shea K, Skarpaas O, Kelly D & Ellner SP (2011) Importance of individual and environmental variation for invasive species spread: a spatial integral projection model. Ecology 92: 86-97
Caragana intermedia	Plantae	Li, S. L., Yu, F. H., Werger, M. J., Dong, M., Ramula, S., & Zuidema, P. A. (2013). Understanding the effects of a new grazing policy: the impact of seasonal grazing on shrub demography in the I nner M ongolian steppe. Journal of Applied Ecology, 50(6), 1377-1386.
Artemisia ordosica	Plantae	Li S-L, Yu F-H, Werger MJA, Dong M & Zuidema PA (2011) Habitat-specific demography across dune fixation stages in a semi-arid sandland: understanding the expansion, stabilization and decline of a dominant shrub. Journal of Ecology 99: 610-620
Capreolus capreolus	Animalia	Plard, F., Gaillard, J.-M., Coulson, T., Delorme, D., Warnant, C., Michallet, J., Tuljapurkar, S., Krishnakumar, S., Bonenfant, C. (2015), Quantifying the influence of measured and unmeasured individual differences on demography. Journal of Animal Ecology. doi: 10.1111/1365-2656.12393
Cervus elaphus	Animalia	Plard, F., Gaillard, J. M., Coulson, T., Hewison, A. M., Douhard, M., Klein, F., ... & Bonenfant, C. (2015). The influence of birth date via body mass on individual fitness in a long-lived mammal. Ecology.
Lepomis gibbosus	Animalia	van Kleef, H. H., & Jongejans, E. (2014, September). Identifying drivers of pumpkinseed invasiveness using population models. In Aquatic Invasions (Vol. 9, No. 3, pp. 315-326). Regional Euro-Asian Biological Invasions Centre (REABIC).
Orchis purpurea	Plantae	Jacquemyn H, Brys R & Jongejans E (2010) Size-dependent flowering and costs of reproduction affect population dynamics in a tuberous perennial woodland orchid. Journal of Ecology 98: 1204-1215
Bouteloua eripoda	Plantae	Chu, C., & Adler, P. B. (2014). When should plant population models include age structure?. Journal of ecology, 102(2), 531-543.
Bouteloua rothrockii	Plantae	Chu, C., & Adler, P. B. (2014). When should plant population models include age structure?. Journal of ecology, 102(2), 531-543.
Heteropogon contortus	Plantae	Chu, C., & Adler, P. B. (2014). When should plant population models include age structure?. Journal of ecology, 102(2), 531-543.
Hilaria belangeri	Plantae	Chu, C., & Adler, P. B. (2014). When should plant population models include age structure?. Journal of ecology, 102(2), 531-543.
Hesperostipa comata	Plantae	Chu, C., & Adler, P. B. (2014). When should plant population models include age structure?. Journal of ecology, 102(2), 531-543.
Koeleria maculata	Plantae	Chu, C., & Adler, P. B. (2014). When should plant population models include age structure?. Journal of ecology, 102(2), 531-543.

Poa secunda	Plantae	Chu, C., & Adler, P. B. (2014). When should plant population models include age structure?. Journal of ecology, 102(2), 531-543.
Pseudoroegneria spicata	Plantae	Chu, C., & Adler, P. B. (2014). When should plant population models include age structure?. Journal of ecology, 102(2), 531-543.
Astridia longiseta	Plantae	Chu, C., & Adler, P. B. (2014). When should plant population models include age structure?. Journal of ecology, 102(2), 531-543.
Boutelona curtipendula	Plantae	Chu, C., & Adler, P. B. (2014). When should plant population models include age structure?. Journal of ecology, 102(2), 531-543.
Boutelona gracilis	Plantae	Chu, C., & Adler, P. B. (2014). When should plant population models include age structure?. Journal of ecology, 102(2), 531-543.
Boutelona hirsuta	Plantae	Chu, C., & Adler, P. B. (2014). When should plant population models include age structure?. Journal of ecology, 102(2), 531-543.
Muhlenbergia arenacea	Plantae	Chu, C., & Adler, P. B. (2014). When should plant population models include age structure?. Journal of ecology, 102(2), 531-543.
Scleropogon brevifoloius	Plantae	Chu, C., & Adler, P. B. (2014). When should plant population models include age structure?. Journal of ecology, 102(2), 531-543.
Sporobplus flexuosus	Plantae	Chu, C., & Adler, P. B. (2014). When should plant population models include age structure?. Journal of ecology, 102(2), 531-543.
Rhizoglyphus robini	Animalia	Smallegange, I. M., Deere, J. A., & Coulson, T. (2014). Correlative changes in life-history variables in response to environmental change in a model organism. The American Naturalist, 183(6), 784-797.
Rhizoglyphus robini	Animalia	Smallegange, I. M., Deere, J. A., & Coulson, T. (2014). Correlative changes in life-history variables in response to environmental change in a model organism.The American Naturalist, 183(6), 784-797.
Capreolus capreolus	Animalia	Plard, F., Gaillard, J. M., Coulson, T., Hewison, A. M., Delorme, D., Warnant, C., & Bonenfant, C. (2014). Mismatch between birth date and vegetation phenology slows the demography of roe deer. PLoS Biol, 12(4), e1001828.
Cervus elaphus	Animalia	Plard, F., Gaillard, J. M., Coulson, T., Hewison, A. M., Delorme, D., Warnant, C., & Bonenfant, C. (2014). Mismatch between birth date and vegetation phenology slows the demography of roe deer. PLoS Biol, 12(4), e1001828.
Goodyera pubescens	Plantae	Diez, J. M., Giladi, I., Warren, R., & Pulliam, H. R. (2014). Probabilistic and spatially variable niches inferred from demography. Journal of ecology, 102(2), 544-554.
Agrostics hyemalis	Plantae	Williams JL, Miller TX & Ellner SP (2012) Avoiding unintentional eviction from integral projection models. Ecology 93: 2008-2014
Anemone patens	Plantae	Williams JL, Miller TX & Ellner SP (2012) Avoiding unintentional eviction from integral projection models. Ecology 93: 2008-2014
Opuntia imbricata	Plantae	Williams JL, Miller TX & Ellner SP (2012) Avoiding unintentional eviction from integral projection models. Ecology 93: 2008-2014
Anemone patens	Plantae	Williams JL & Crone EE (2006) The impact of invasive grasses on the population growth of Anemone patens, a long-lived native forb. Ecology 87: 3200-3208
Ranunculus weyleri	Plantae	Cursach, J., Besnard, A., Rita, J., & Fréville, H. (2013). Demographic variation and conservation of the narrow endemic plant Ranunculus weyleri. Acta Oecologica, 53, 102-109.
Dracocephalum austriacum	Plantae	Nicolè F, Dahlgren JP, Vivat A, Till-Bottraud & Ehrlén J (2011) Interdependent effects of habitat quality and climate on population growth of an endangered plant. Journal of Ecology 99: 1211-1218
Actaea spicata	Plantae	Dahlgren JP & Ehrlén J (2009) Linking environmental variation to population dynamics of a forest herb. Journal of Ecology 97: 666-674
Acatea spicata	Plantae	Dahlgren, J. P., & Ehrlén, J. (2011). Incorporating environmental change over succession in an integral projection model of population dynamics of a forest herb. Oikos, 120(8), 1183-1190.

Borderea pyrenaica		Plantae	Dahlgren JP, García MB & Ehrlén J (2011) Nonlinear relationships between vital rates and state variables in demographic models. Ecology 92: 1181-1187
Lathyrus vernus		Plantae	Dahlgren, J. P., Östergård, H., & Ehrlén, J. (2014). Local environment and density-dependent feedbacks determine population growth in a forest herb. Oecologia, 176(4), 1023-1032.
Pseudoroegneria spicata		Plantae	Dalgleish HJ, Koons DN, Hooten MB, Moffet CA & Adler PB (2011) Climate influences the demography of three dominant sagebrush steppe plants. Ecology 92: 75-85
Hesperostipa comata		Plantae	Dalgleish HJ, Koons DN, Hooten MB, Moffet CA & Adler PB (2011) Climate influences the demography of three dominant sagebrush steppe plants. Ecology 92: 75-85
Artemisia tripartita		Plantae	Dalgleish HJ, Koons DN, Hooten MB, Moffet CA & Adler PB (2011) Climate influences the demography of three dominant sagebrush steppe plants. Ecology 92: 75-85
Gorgonia ventalina		Animalia	Bruno JF, Ellner SP, Vu I, Kim K & Harvell CD (2011) Impacts of aspergillosis on sea fan coral demography: modeling a moving target. Ecological Monographs 81: 123-139
Acropora hyacinthus		Animalia	Madin JS, Hughes TP & Connolly SR (2012) Calcification, storm damage and population resilience of tabular corals under climate change. PLoS One 7: 1-10
Dendrophylax lindenii		Plantae	Raventós, J., González, E., Mújica, E., & Doak, D. F. (2015). Population Viability Analysis of the Epiphytic Ghost Orchid (Dendrophylax lindenii) in Cuba. Biotropica, 47(2), 179-189.
Cynoglossum officinale		Plantae	Williams JL (2009) Flowering life-history strategies differ between the native and introduced ranges of a monocarpic perennial. American Naturalist 174: 660-672
Cynoglossum officinale		Plantae	Williams JL, Auge H & Maron JL (2010) Testing hypotheses for exotic plant success: parallel experiments in the native and introduced ranges. Ecology 91: 1355-1366
Poulsenia armata		Plantae	Zambrano, J., & Salguero?Gómez, R. (2014). Forest Fragmentation Alters the Population Dynamics of a Late?successional Tropical Tree. Biotropica, 46(5), 556-564.
Cirsium canescens		Plantae	Rose KE, Louda SM & Rees M (2005) Demographic and evolutionary impacts of native and invasive herbivores on Cirsium canescens. Ecology 86: 453-465
Crocodylus niloticus		Animalia	Wallace W, Leslie A & Coulson T. 2012. Re-evaluating the effect of harvesting regimes on Nile crocodiles using an integral projection models. In press
Cirsium altissimum		Plantae	Rose, K. E., Russell, F. L., & Louda, S. M. (2011). Integral projection model of insect herbivore effects on Cirsium altissimum populations along productivity gradients. Ecosphere, 2(8), art97.
Agrostis hyemalis		Plantae	Yule, K. M., Miller, T. E., & Rudgers, J. A. (2013). Costs, benefits, and loss of vertically transmitted symbionts affect host population dynamics. Oikos, 122(10), 1512-1520.
Phoenix loureiroi		Plantae	Mandle, L., Ticktin, T., & Zuidema, P. A. (2015). Resilience of palm populations to disturbance is determined by interactive effects of fire, herbivory and harvest. Journal of Ecology.
Ovis canadensis		Animalia	Traill, L. W., Schindler, S., & Coulson, T. (2014). Demography, not inheritance, drives phenotypic change in hunted bighorn sheep. Proceedings of the National Academy of Sciences, 111(36), 13223-13228.
Melaleuca quinquenervia		Plantae	Sevillano Garcia Mayeya, L. (2010). The Effects of Biological Control Agents on Population Growth and Spread of Melaleuca quinquenervia.
Carlina vulgaris		Plantae	Childs DZ, Rees M, Rose KE, Grubb PJ & Ellner SP (2003) Evolution of complex floweirng strategies: an age- and size-structured integral projection model. Proceedings: Biological Sciences 270: 1829-1838

Carlina vulgaris	Plantae	Childs DZ, Rees M, Rose KE, Grubb PY & Ellner SP (2004) Evolution of size-dependent flowering in a variable environment: construction and analysis of a stochastic integral projection model. Proceedings: Biological Sciences 271: 425-434
Carlina vulgaris	Plantae	Rees M, Childs DZ, Metcalf JC, Rose KE, Sheppard AW & Grubb PJ (2006) Seed dormancy and delayed flowering in monocarpic plants: selective interactions in a stochastic environment. The American Naturalist 168: 53-71
Carduus nutans	Plantae	Rees M, Childs DZ, Metcalf JC, Rose KE, Sheppard AW & Grubb PJ (2006) Seed dormancy and delayed flowering in monocarpic plants: selective interactions in a stochastic environment. The American Naturalist 168: 53-71
Marmota ?aviventris	Animalia	Rees, M., Childs, D. Z., & Ellner, S. P. (2014). Building integral projection models: a user's guide. Journal of Animal Ecology, 83(3), 528-545.
Ovis aries	Animalia	Rees, M., Childs, D. Z., & Ellner, S. P. (2014). Building integral projection models: a user's guide. Journal of Animal Ecology, 83(3), 528-545.
Mammillaria dixanthocentron	Plantae	González EJ & Martorell C (2013) Reconstructing shifts in vital rates driven by long-term environmental change: a new demographic method based on readily available data. Ecology and Evolution 3: 2273–2284
Cryptomeria japonica	Plantae	Matsushita, M., Takata, K., Hitsuma, G., Yagihashi, T., Noguchi, M., Shibata, M., & Masaki, T. (2015). A novel growth model evaluating age–size effect on long?term trends in tree growth. Functional Ecology.
Mammillaria gaumeri	Plantae	Ferrer-Cervantes, M.E., Méndez-González, M.E., Quintana-Ascencio, P.-F., Dorantes, A., Dzib, G. & Durán, R. (2012) Population dynamics of the cactus Mammillaria gaumeri: an integral projection model approach. Population Ecology, 54, 321-334.
Oenothera glazioviana	Plantae	Rees, M., & Rose, K. E. (2002). Evolution of flowering strategies in Oenothera glazioviana: an integral projection model approach. Proceedings of the Royal Society of London B: Biological Sciences, 269(1499), 1509-1515.
Prenanthes roanensis	Plantae	Aikens, M. L. (2013). Population Dynamics Across the Range of the Southern Appalachian Endemic Plant, Prenanthes Roanensis (Doctoral dissertation, University of Virginia).
Monstastraea annularis	Animalia	Burgess, H. R. (2011). Integral Projection Models and analysis of patch dynamics of the reef building coral Monstastraea annularis.
Sistrurus catenatus	Animalia	Jones, P. C. (2012). Demographic analysis and integral projection modeling of the Eastern Massasauga (Sistrurus catenatus catenatus) (Doctoral dissertation, NORTHERN ILLINOIS UNIVERSITY).
Marmota flaviventris	Animalia	Ozgul A, Childs DZ, Oli MK, Armitage KB, Blumstein DT, Olson LE, Tuljapurkar S & Coulson T (2010) Coupled dynamics of body mass and population growth in response to environmental change. Nature 466: 482-485
Pedicularis lanceolata	Plantae	Record, S. (2010). Conservation while under invasion: Insights from a rare hemiparasitic plant, swamp lousewort (Pedicularis lanceolata Michx.).
Cirsium canescens	Plantae	Briggs J, Dabbs K, Holm M, Lubben J, Rebarber R, Tenhumberg B & Riser-Espinoza D (2010) Structured population dynamics: an introdution to integral modeling. Mathematical Magazine 83: 243-257
Primula farinosa	Plantae	von Euler T, Ågren J & Ehrlén J (2013) Environmental context influences both the intensity of seed predation and plant demographic sensitivity to attack. Ecology in press
Annamocarya sinensis	Plantae	Zuidema PA, Jongejans E, Chien PD, During HJ & Schieving F (2010) Integral projection models for trees: a new parameterization method and a validation of model output. Journal of Ecology 98: 345-355
Calocedrus macrolepis	Plantae	Zuidema PA, Jongejans E, Chien PD, During HJ & Schieving F (2010) Integral projection models for trees: a new parameterization method and a validation of model output. Journal of Ecology 98: 345-355

Dacrydium elatum	Plantae	Zuidema PA, Jongejans E, Chien PD, During HJ & Schieving F (2010) Integral projection models for trees: a new parameterization method and a validation of model output. Journal of Ecology 98: 345-355
Manglietia fordiana	Plantae	Zuidema PA, Jongejans E, Chien PD, During HJ & Schieving F (2010) Integral projection models for trees: a new parameterization method and a validation of model output. Journal of Ecology 98: 345-355
Parashorea chinensis	Plantae	Zuidema PA, Jongejans E, Chien PD, During HJ & Schieving F (2010) Integral projection models for trees: a new parameterization method and a validation of model output. Journal of Ecology 98: 345-355
Pinus kwangtungensis	Plantae	Zuidema PA, Jongejans E, Chien PD, During HJ & Schieving F (2010) Integral projection models for trees: a new parameterization method and a validation of model output. Journal of Ecology 98: 345-355
Campanula thyrsoides	Plantae	Kuss P, Rees M, Ægisdóttir HH, Ellner SP & Stöcklin J (2008) Evolutionary demography of long-lived monocarpic perennials: a time-lagged integral projection model. Journal of Ecology 96: 821-832
Coryphantha robbinsorum	Plantae	de Valpine P (2009) Stochastic development in biologically structured population models. Ecology 90: 2889-2901
Artemisia tripartita	Plantae	Alder PB, Dalgleish HJ & Ellner SP (2012) Forecasting plant community impacts of climate variability and change: when do competitive interactions matter? Journal of Ecology 100: 478-487
Pseudoroegneria spicata	Plantae	Alder PB, Dalgleish HJ & Ellner SP (2012) Forecasting plant community impacts of climate variability and change: when do competitive interactions matter? Journal of Ecology 100: 478-487
Hesperostipa comata	Plantae	Alder PB, Dalgleish HJ & Ellner SP (2012) Forecasting plant community impacts of climate variability and change: when do competitive interactions matter? Journal of Ecology 100: 478-487
Poa secunda	Plantae	Alder PB, Dalgleish HJ & Ellner SP (2012) Forecasting plant community impacts of climate variability and change: when do competitive interactions matter? Journal of Ecology 100: 478-487
Artemisia tripartita	Plantae	Adler PB, Ellner SP & Levine JM (2010) Coexistence of perennial plants: an embarrassment of niches. Ecology Letters 13: 1019-1029
Pseudoroegneria spicata	Plantae	Adler PB, Ellner SP & Levine JM (2010) Coexistence of perennial plants: an embarrassment of niches. Ecology Letters 13: 1019-1029
Hesperostipa comata	Plantae	Adler PB, Ellner SP & Levine JM (2010) Coexistence of perennial plants: an embarrassment of niches. Ecology Letters 13: 1019-1029
Poa secunda	Plantae	Adler PB, Ellner SP & Levine JM (2010) Coexistence of perennial plants: an embarrassment of niches. Ecology Letters 13: 1019-1029
Acropora hyacinthus	Animalia	Edmunds, P. J., Burgess, S. C., Putnam, H. M., Baskett, M. L., Bramanti, L., Fabina, N. S., ... & Gates, R. D. (2014). Evaluating the causal basis of ecological success within the scleractinia: an integral projection model approach. Marine Biology, 161(12), 2719-2734.
Chamaedorea elegans	Plantae	Jansen M, Zuidema PA, Anten NPR & Martinez-Ramos M (2012) Strong persistent growth differences govern individual performance and populaton dynamics in a tropical forest understory palm. Journal of Ecoloy 100: 1224-1232
Poecilia reticulata	Animalia	Basar RD, Lopez-Sepulcre A, Reznick DN & Travis J (2013) Experimental evidence for density-dependent regulation and selection on Trinidadian guppy life history. American Naturalist 181: 25-38
Poecilia reticulata	Animalia	Bassar, R. D., Heatherly, T., Marshall, M. C., Thomas, S. A., Flecker, A. S., & Reznick, D. N. (2015). Population size?structure?dependent fitness and ecosystem consequences in Trinidadian guppies. Journal of Animal Ecology.

Poecilia reticulata	Animalia	Bassar, R. D., Lopez-Sepulcre, A., Reznick, D. N., & Travis, J. (2013). Experimental evidence for density-dependent regulation and selection on Trinidadian guppy life histories. The American Naturalist, 181(1), 25-38.
Cirsium canescens	Plantae	Rebarber R, Tenhumberg B & Townley S (2012) Global asymptotic stability of density dependent integral population projection models. Theoretical Population Biology 81: 81-87
Cryptantha flava	Plantae	Salguero-Gómez R, Siewert W, Casper BB & Tielbörger K (2012) A demographic approach to study effects of climate change in desert plants. Philosophical Transaction of the Royal Society Series B 367: 3100-3114
Cryptantha flava	Plantae	NA
Succisa pratensis	Plantae	van der Meer S, Dahlgren JP, Mildén M & Ehrlén J (2013) Differential effects of abandonment on the demography of the grassland perennial Succisa pratensis. Population Ecology, in press
Cirsium palustre	Plantae	Ramula S, Rees M & Buckley YM (2009) Integral projection models perform beter for small demographic data sets than matrix populatio models: a case study of two perennial herbs. Journal of Applied Ecology 46: 1048-1053
Primula veris	Plantae	Ramula S, Rees M & Buckley YM (2009) Integral projection models perform beter for small demographic data sets than matrix populatio models: a case study of two perennial herbs. Journal of Applied Ecology 46: 1048-1053
Cirsium canescens	Plantae	Eager, E. A. (2012). Modeling and mathematical analysis of plant models in ecology (Doctoral dissertation, University of Nebraska).
Helianthus annuus	Plantae	Eager, E. A., Rebarber, R., & Tenhumberg, B. (2014). Modeling and Analysis of a Density-Dependent Stochastic Integral Projection Model for a Disturbance Specialist Plant and Its Seed Bank. Bulletin of mathematical biology, 76(7), 1809-1834.
Cirsium palustre	Plantae	Eager, E. A., Rebarber, R., & Tenhumberg, B. (2014). Global asymptotic stability of plant-seed bank models. Journal of mathematical biology, 69(1), 1-37.
Hedysarum laeve	Plantae	Li, S. L., Yu, F. H., Werger, M. J., Dong, M., During, H. J., & Zuidema, P. A. (2015). Mobile dune fixation by a fast-growing clonal plant: a full life-cycle analysis. Scientific reports, 5.
Carlina vulgaris	Plantae	Rees M & Ellner SP (2009) Integral projection models for populations in temporally varying environments. Ecological Monographs 79: 575-594
Lupinus polyphyllus	Plantae	Ramula, S. (2014). Linking vital rates to invasiveness of a perennial herb. Oecologia, 174(4), 1255-1264.
Vaccinium myrtillus	Plantae	Hegland SJ, Jongejans E & Rydgren K (2010) Investigating the interaction between ungulate grazing and resource effects on Vaccinium myrtillus populations with integral projection models. Oecology 163: 695-706
Urocitellus columbianus	Animalia	Schindler S, Neuhaus P, Gaillard J-M & Coulson T (2013) The influence of nonrandom mating on population growth. American Naturalist 182: 28–41
Ovis aries	Animalia	Coulson T (2012) Integral projection models, their construction and use in posing hypotheses in ecology. Oikos 121: 1337-1350
Canis lupus	Animalia	Coulson T (2001) Modeling effects of environmental change on wolf population dynamics, trait evolution, and life history. Science 334: 1275-1278
Ovis aries	Animalia	Coulson T, Tuljapurkar S & Childs DZ (2010) Using evolutionary demography to link life history theory, quantitative genetics and population ecology. Journal of Animal Ecology 79: 1226-1240
Ovis aries	Animalia	Coulson, T., Tuljapurkar, S., & Childs, D. Z. (2010). Using evolutionary demography to link life history theory, quantitative genetics and population ecology. Journal of Animal Ecology, 79(6), 1226-1240.
Rhinella marina	Animalia	Perkins TA, Phillips BL, Baskett ML & Hastings A (2013) Evolution of dispersal and life history interact to drive accelerating spread of an invasive species. Ecology Letters 16: 1079–1087

Opuntia imbricata	Plantae	Miller TEX, Louda SM, Rose KA & Eckberg JO (2009) Impacts of insect herbivory on cactus population dynamics: experimental demography across an environmental gradient. Ecological Monographs 79: 155-172
Orchis purpurea	Plantae	Miller TEX, Williams JL, Jongejans E, Brys R & Jacquemyn H (2012) Evolutionary demography of iteroparous plants: incorporating non-lethal costs of reproduction into integral projection models. Proc Roy Soc B, 279: 2831-2840
Miliusa horsfieldii	Plantae	Caughlin TT, Ferguson JM, Lichstein JW, Zuidema PA, Bunyavejchewin S, Levey DJ. 2015 Loss of animal seed dispersal increases extinction risk in a tropical tree species due to pervasive negative density dependence across life stages. Proc. R. Soc. B 282: 20142095. http://dx.doi.org/10.1098/rspb.2014.2095
Esox lucius	Animalia	Vindenes, Y., Edeline, E., Ohlberger, J., Langangen, Ø., Winfield, I. J., Stenseth, N. C., & Vøllestad, L. A. (2014). Effects of climate change on trait-based dynamics of a top predator in freshwater ecosystems. The American Naturalist, 183(2), 243-256.
Berberis thunbergii	Plantae	Merow, C., Bois, S. T., Allen, J. M., Xie, Y., Silander Jr., J. A. (2017). Climate change both facilitates and inhibits invasive plant ranges in New England. PNAS Vol. 114, Issue 16.
Cirsium altissimum	Plantae	Tenhumberg, B., Suwa, T., Tyre, A. J., Russell, F. L., & Louda, S. M. (2015). Integral projection models show exotic thistle is more limited than native thistle by ambient competition and herbivory. Ecosphere, 6(4), art69.
NDY	Animalia	Jason Matthiopoulos, John Fieberg, Geert Aarts, Hawthorne L. Beyer, Juan M. Morales, and Daniel T. Haydon 2015. Establishing the link between habitat selection and animal population dynamics. Ecological Monographs 85:413–436. http://dx.doi.org/10.1890/14-2244.1
Bouteloua eriopoda	Plantae	Chengjin Chu and Peter B. Adler 2015. Large niche differences emerge at the recruitment stage to stabilize grassland coexistence. Ecological Monographs 85:373–392. http://dx.doi.org/10.1890/14-1741.1
Bouteloua rothrockii	Plantae	Chengjin Chu and Peter B. Adler 2015. Large niche differences emerge at the recruitment stage to stabilize grassland coexistence. Ecological Monographs 85:373–392. http://dx.doi.org/10.1890/14-1741.1
Artemisia tripartita	Plantae	Chengjin Chu and Peter B. Adler 2015. Large niche differences emerge at the recruitment stage to stabilize grassland coexistence. Ecological Monographs 85:373–392. http://dx.doi.org/10.1890/14-1741.1
Pseudoroegneria spicata	Plantae	Chengjin Chu and Peter B. Adler 2015. Large niche differences emerge at the recruitment stage to stabilize grassland coexistence. Ecological Monographs 85:373–392. http://dx.doi.org/10.1890/14-1741.1
Hesperostipa comata	Plantae	Chengjin Chu and Peter B. Adler 2015. Large niche differences emerge at the recruitment stage to stabilize grassland coexistence. Ecological Monographs 85:373–392. http://dx.doi.org/10.1890/14-1741.1
Poa secunda	Plantae	Chengjin Chu and Peter B. Adler 2015. Large niche differences emerge at the recruitment stage to stabilize grassland coexistence. Ecological Monographs 85:373–392. http://dx.doi.org/10.1890/14-1741.1
Bouteloua curtipendula	Plantae	Chengjin Chu and Peter B. Adler 2015. Large niche differences emerge at the recruitment stage to stabilize grassland coexistence. Ecological Monographs 85:373–392. http://dx.doi.org/10.1890/14-1741.1
Bouteloua hirsuta	Plantae	Chengjin Chu and Peter B. Adler 2015. Large niche differences emerge at the recruitment stage to stabilize grassland coexistence. Ecological Monographs 85:373–392. http://dx.doi.org/10.1890/14-1741.1
Schizachyrium scoparium	Plantae	Chengjin Chu and Peter B. Adler 2015. Large niche differences emerge at the recruitment stage to stabilize grassland coexistence. Ecological Monographs 85:373–392. http://dx.doi.org/10.1890/14-1741.1

Bouteloua gracilis	Plantae	Chengjin Chu and Peter B. Adler 2015. Large niche differences emerge at the recruitment stage to stabilize grassland coexistence. Ecological Monographs 85:373–392. http://dx.doi.org/10.1890/14-1741.1
Pascopyrum smithii	Plantae	Chengjin Chu and Peter B. Adler 2015. Large niche differences emerge at the recruitment stage to stabilize grassland coexistence. Ecological Monographs 85:373–392. http://dx.doi.org/10.1890/14-1741.1
Sporobolus flexuosus	Plantae	Chengjin Chu and Peter B. Adler 2015. Large niche differences emerge at the recruitment stage to stabilize grassland coexistence. Ecological Monographs 85:373–392. http://dx.doi.org/10.1890/14-1741.1
Ferocactus wislizeni	Plantae	Ford, K. R., Ness, J. H., Bronstein, J. L., & Morris, W. F. (2015). The demographic consequences of mutualism: ants increase host-plant fruit production but not population growth. Oecologia, 1-12.
Festuca arizonica	Plantae	NA
Poecilia reticulata	Animalia	Bassar, R. D., Childs, D. Z., Rees, M., Tuljapurkar, S., Reznick, D. N., Coulson, T. (2016). The effects of asymmetric competition on the life history of Trinidadian guppies. Ecology Letters.
Ovis canadensis	Animalia	Pigeon, G., Festa-Bianchet, M., Coltman, D. W., Pelletier, F. (2016). Intense selective hunting leads to artificial evolution in horn size. Evolutionary Applications.
Salvelinus fontinalis	Animalia	Bassar, R. D., Letcher, B. H., Nislow, K. H., Whiteley, A. R. (2016). Changes in seasonal climate outpace compensatory density-dependence in eastern brook trout. Global Change Biology.
Achyranthes japonica	Plantae	Schwartz, L. M., Gibson, D. J., Young, B. G. (2016). Using integral projection models to compare population dynamics of four closely related species. Population Ecology.
Amaranthus palmeri	Plantae	Schwartz, L. M., Gibson, D. J., Young, B. G. (2016). Using integral projection models to compare population dynamics of four closely related species. Population Ecology.
Amaranthus tuberculatus	Plantae	Schwartz, L. M., Gibson, D. J., Young, B. G. (2016). Using integral projection models to compare population dynamics of four closely related species. Population Ecology.
Iresine rhizomatosa	Plantae	Schwartz, L. M., Gibson, D. J., Young, B. G. (2016). Using integral projection models to compare population dynamics of four closely related species. Population Ecology.
Aquila fasciata	Animalia	Lieury, N., Besnard, A., Ponchon, C., Ravayrol, A., Millon, A. (2016). Geographically isolated but demographically connected: Immigration supports efficient conservation actions in the recovery of a range-margin population of the Bonelli's eagle in France. Biological Conservation 195.
Cryptantha flava	Plantae	Schreiber, S., & Ross, N. (2016). Individual-based Integral Projection Models: The role of size-structure on extinction risk and establishment success. Methods in Ecology and Evolution.
Veronica officinalis	Plantae	Olsen, S. L., Töpper, J. P., Skarpaas, O., Vandvik, V., Klanderud, K. (2016). From facilitation to competition: temperature-driven shift in dominant plant interactions affects population dynamics in semi-natural grasslands. Global Change Biology.
Veronica alpina	Plantae	Olsen, S. L., Töpper, J. P., Skarpaas, O., Vandvik, V., Klanderud, K. (2016). From facilitation to competition: temperature-driven shift in dominant plant interactions affects population dynamics in semi-natural grasslands. Global Change Biology.
Viola palustris	Plantae	Olsen, S. L., Töpper, J. P., Skarpaas, O., Vandvik, V., Klanderud, K. (2016). From facilitation to competition: temperature-driven shift in dominant plant interactions affects population dynamics in semi-natural grasslands. Global Change Biology.

Viola biflora		Plantae	Olsen, S. L., Töpper, J. P., Skarpaas, O., Vandvik, V., Klanderud, K. (2016). From facilitation to competition: temperature-driven shift in dominant plant interactions affects population dynamics in semi-natural grasslands. Global Change Biology.
Cryptantha flava		Plantae	González, E. J., Martorell, C., & Bolker, B. M. (2016). Inverse estimation of integral projection model parameters using time series of population?level data.Methods in Ecology and Evolution, 7(2), 147-156.
Parus major		Animalia	Childs, D. Z., Sheldon, B. C., & Rees, M. (2016). The evolution of labile traits in sex?and age?structured populations. Journal of Animal Ecology, 85(2), 329-342.
Fraxinus excelsior		Plantae	Needham, J., Merow, C., Butt, N., Malhi, Y., Marthews, T. R., Morecroft, M., & McMahon, S. M. (2016). Forest community response to invasive pathogens: the case of ash dieback in a British woodland. Journal of Ecology, 104(2), 315-330.
Prenanthes_roanensis		Plantae	Aikens, M. L., & Roach, D. A. (2014). Population dynamics in central and edge populations of a narrowly endemic plant. Ecology, 95(7), 1850-1860.
Himantoglossum_hircinum		Plantae	Van der Meer, S., Jacquemyn, H., Carey, P. D., Jongejans, E. (2016). Recent range expansion of a terrestrial orchid corresponds with climate-driven variation in ist population dynamics. Oecologia.
Grus americana		Animalia	Wilson, S., Gil-Weir, K. C., Clark, R. G., Robertson, G. J., & Bidwell, M. T. (2016). Integrated population modeling to assess demographic variation and contributions to population growth for endangered whooping cranes. Biological Conservation, 197, 1-7.
Opuntia imbricata		Plantae	Elderd, B. D., & Miller, T. E. (2015). Quantifying demographic uncertainty: Bayesian methods for Integral Projection Models (IPMs). Ecological Monographs.
Oenocarpus bataua		Plantae	Isaza, C., Martorell, C., Cevallos, D., Galeano, G., Valencia, R., Balslev, H. (2016). Demography of Oenocarpus bataua and implications for sustainable harvest of its fruit in western Amazon. Population Ecology.
Cotyledon orbiculata		Plantae	Pannell, J. L. (2016). Climatic limitation of alien weeds in New Zealand: enhancing species distribution models with field data (Doctoral dissertation, Lincoln University).
Geum radiatum		Plantae	Ulrey, C., Quintana-Ascencio, P., Kauffman, G., Smith, A. B., Menges, E. S. (2016). Life at the top: Long-term demography, microclimatic refugia, and responses to climate change for a high-elevation southern Appalachian endemic plant. Biological Conservation 200 (2016) 80-92.
Ivesia lycopodioides var. scandularis		Plantae	Oldfather, M. F., & Ackerly, D. D. (2018). Microclimate and demography interact to shape stable population dynamics across the range of an alpine plant. New Phytologist.
Fumana procumbens		Plantae	Dahlgren, J. P., Bengtsson, K., Ehrlen J. (2016). The demography of climate-driven and density- regulated population dynamics in a perennial plant. Ecology, 97(4), 899-907
Esox lucius		Animalia	Vindenes, Y., Langangen, Ø., Winfield, I. J., Vøllestad, L. A. (2016). Fitness consequences of early life conditions and maternal size effects in a freshwater top predator. Journal of Animal Ecology, (85), 692-704
Crassostrea gigas		Animalia	Moore, J. L., Lipcius, R. N., Puckett, B., Schreiber, S. J. (2016). The demographic consequences of growing older and bigger oyster populations. Ecological Applications.
Callitris intratropica		Plantae	Trauernicht, C., Murphy, B. P., Prior, L. D., Lawes, M. J., & Bowman, D. M. (2016). Human-Imposed, Fine-Grained Patch Burning Explains the Population Stability of a Fire-Sensitive Conifer in a Frequently Burnt Northern Australia Savanna. Ecosystems, 1-14.
Rana mucosa		Animalia	Wilber, M. Q., Langwig, K. E., Kilpatrick, A. M., McCallum, H. I., & Briggs, C. J. (2016). Integral Projection Models for host–parasite systems with an application to amphibian chytrid fungus. Methods in Ecology and Evolution.

Cervus elaphus	Animalia	Pozo, R. A., Schindler, S., Cubaynes, S., Cusack, J. J., Coulson, T., Malo, A. F., Modeling the Impact of Selective Harvesting on Red Deer Antlers. J Wildlife Manage.
Lindera_benzoin	Plantae	Merow, C., Bois, S. T., Allen, J. M., Xie, Y., Silander Jr., J. A. (2017). Climate change both facilitates and inhibits invasive plant ranges in New England. PNAS Vol. 114, Issue 16.
Dacrydium elatum	Plantae	Snyder, E. S., Ellner, S. P. (2016). We Happy Few: Using Structured Population Models to Identidy the Decisive Events in the Lives of Exceptional Individuals. The American Naturalist, Vol. 188, No. 2.
Liatris ohlingerae	Plantae	Tye, M. R., Menges, E. S., Weekley, C. (2016). A demographic ménage à trois: interactions between disturbances both amplify and dampen populatin dynamics if an endemic plant. Journal of Ecology.
Sebastes mystinus	Animalia	White, J. W., Nickols, K. J., Malone, D., Carr, M. H., Starr, R. M., Cordoleani, F., Baskett, M. L., Hastings, A., Botsford, L. W. (2016). Fitting state-space integral projection models to size-structured time series data to estimate unknown parameters. Ecological Applications.
Sebastes carnatus	Animalia	White, J. W., Nickols, K. J., Malone, D., Carr, M. H., Starr, R. M., Cordoleani, F., Baskett, M. L., Hastings, A., Botsford, L. W. (2016). Fitting state-space integral projection models to size-structured time series data to estimate unknown parameters. Ecological Applications.
Opuntia imbricata	Plantae	Compagnoni, A., Bibian, A. J., Ochocki, B. M., Rogers, H. S., Schultz, E. L., Sneck, M. E., Elderd, B. D., Iler, A. M., Inouye, D. W., Jacquemyn, H., Miller, T. E. X. (2016). The effect of demographic correlations on the stochastic population dynamics of perennial plants. Ecological Monographs.
Orchis purpurea	Plantae	Compagnoni, A., Bibian, A. J., Ochocki, B. M., Rogers, H. S., Schultz, E. L., Sneck, M. E., Elderd, B. D., Iler, A. M., Inouye, D. W., Jacquemyn, H., Miller, T. E. X. (2016). The effect of demographic correlations on the stochastic population dynamics of perennial plants. Ecological Monographs.
Pinus halepensis	Plantae	García-Callejas, D., Molowny-Horas, R., Retana, J. (2016). Projecting the distribution and abundance of Mediterranean tree species under climate change: a demographic approach. Journal of Plant Ecology.
Artemisia tripartita	Plantae	Ellner, S. P., Snyder, R. E., Adler, P. B. (2016). How to quantify the temporal storage effect using simulations instead of math. Ecology Letters.
Hesperostipa comata	Plantae	Ellner, S. P., Snyder, R. E., Adler, P. B. (2016). How to quantify the temporal storage effect using simulations instead of math. Ecology Letters.
Poa secunda	Plantae	Ellner, S. P., Snyder, R. E., Adler, P. B. (2016). How to quantify the temporal storage effect using simulations instead of math. Ecology Letters.
Pseudoroegneria spicata	Plantae	Ellner, S. P., Snyder, R. E., Adler, P. B. (2016). How to quantify the temporal storage effect using simulations instead of math. Ecology Letters.
Cirsium canescens	Plantae	Eager, E. A., Rebarber, R. (2016). Sensitivity and elasticity analysis of a Lur'e system used to model a population subject to density-dependent reproduction. Mathematical Biosciences.
Zootoca vivipara	Animalia	Jaffré, M.; Le Galliard, J.F. (2016). Population viability analysis of plant and animal populations with stochastic integral projection models. Oecologia
Rhizoglyphus robini	Animalia	Smallegange, I. M., Caswell, H., Toorians, M. E. M., de Roos, A. M. (2016). Mechanistic description of population dynamics using dynamic energy budget theory incorporated into integral projection models. Methods in Ecology and Evolution.
Manta alfredi	Animalia	Smallegange, I. M., Caswell, H., Toorians, M. E. M., de Roos, A. M. (2016). Mechanistic description of population dynamics using dynamic energy budget theory incorporated into integral projection models. Methods in Ecology and Evolution.

Drosophyllum lusitanicum	Plantae	Paniw, M., Quintana-Ascencio, P. F., Ojeda, F., Salguero-Gómez, R. (2016). Accounting for uncertainty in dormant life stages in stochastic demographic models. Oikos.
Bouteloua gracilis	Plantae	Tredennick, A. T., Hooten, M. B., Adler, P. B. (2016). Do we need demographic data to forecast plant population dynamics? bioRxiv.
Hesperostipa comata	Plantae	Tredennick, A. T., Hooten, M. B., Adler, P. B. (2016). Do we need demographic data to forecast plant population dynamics? bioRxiv.
Pascopyrum smithii	Plantae	Tredennick, A. T., Hooten, M. B., Adler, P. B. (2016). Do we need demographic data to forecast plant population dynamics? bioRxiv.
Poa secunda	Plantae	Tredennick, A. T., Hooten, M. B., Adler, P. B. (2016). Do we need demographic data to forecast plant population dynamics? bioRxiv.
Tillandsia macdougallii	Plantae	Ticktin, T., Mondragón, D., and Gaoue, O.G. (2016). Host genus and rainfall drive the population dynamics of a vascular epiphyte. Ecosphere 7.11
Pometia spp.	Plantae	Murdjoko, A., Marsono, D., Sandono, R., Hadisusanto, S. (2016). Population Dynamics of Pometia for The Period of Post-Selective Logging in Tropical Rainforest, Southern Papua, Indonesia. Biosaintifika: Journal of Biology & Biology Education 8 (3). 320-329.
Cyprinodontiformes_sp.	Animalia	Bassar, R. D., Simon, T., Roberts, W., Travis, J., Reznick, D. N. (2016). The evolution of coexistence: Reciprocal adaptation promotes the assembly of a simple community. Evolution.
Poecilia reticulata	Animalia	Bassar, R. D., Simon, T., Roberts, W., Travis, J., Reznick, D. N. (2016). The evolution of coexistence: Reciprocal adaptation promotes the assembly of a simple community. Evolution.
Pinus halepensis	Plantae	Molowny Horas, R., & Espelta, J.M. (2013). Modelos integrales de proyección como instrumentos para la gestón medioambiental forestal. En J.A. Blanco (Ed.). Aplicaciones de modelos ecológicos a la gesti ón de recursos naturales . (pp. 125-140). Barcelona: OmniaScience.
Drosophyllum lusitanicum	Plantae	Paniw, M., Quintana-Ascencio, P. F., Ojeda, F., Salguero-Gómez, R. (2017). Interacting livestock and fire may both threaten and increase viability of a fire-adapted Mediterranean carnivorous plant. Journal of Applied Ecology.
Alchornea costaricensis	Plantae	Bruijning, M., Visser, M. D., Muller-Landau, H. C., Wright, S. J., Comita, L. S., Hubbell, S. P., De Kroon, H., Jongejans, E. (2017). Surviving in a Cosexual World: A Cost-Benefit Analysis of Dioecy in Tropical Trees. The American Naturalist. Vol. 189, No. 3.
Cecropia insignis	Plantae	Bruijning, M., Visser, M. D., Muller-Landau, H. C., Wright, S. J., Comita, L. S., Hubbell, S. P., De Kroon, H., Jongejans, E. (2017). Surviving in a Cosexual World: A Cost-Benefit Analysis of Dioecy in Tropical Trees. The American Naturalist. Vol. 189, No. 3.
Cecropia obtusifolia	Plantae	Bruijning, M., Visser, M. D., Muller-Landau, H. C., Wright, S. J., Comita, L. S., Hubbell, S. P., De Kroon, H., Jongejans, E. (2017). Surviving in a Cosexual World: A Cost-Benefit Analysis of Dioecy in Tropical Trees. The American Naturalist. Vol. 189, No. 3.
Simarouba amara	Plantae	Bruijning, M., Visser, M. D., Muller-Landau, H. C., Wright, S. J., Comita, L. S., Hubbell, S. P., De Kroon, H., Jongejans, E. (2017). Surviving in a Cosexual World: A Cost-Benefit Analysis of Dioecy in Tropical Trees. The American Naturalist. Vol. 189, No. 3.
Pouteria reticulata	Plantae	Bruijning, M., Visser, M. D., Muller-Landau, H. C., Wright, S. J., Comita, L. S., Hubbell, S. P., De Kroon, H., Jongejans, E. (2017). Surviving in a Cosexual World: A Cost-Benefit Analysis of Dioecy in Tropical Trees. The American Naturalist. Vol. 189, No. 3.

Protium tenuifolium	Plantae	Bruijning, M., Visser, M. D., Muller-Landau, H. C., Wright, S. J., Comita, L. S., Hubbell, S. P., De Kroon, H., Jongejans, E. (2017). Surviving in a Cosexual World: A Cost-Benefit Analysis of Dioecy in Tropical Trees. The American Naturalist. Vol. 189, No. 3.
Triplaris cumingiana	Plantae	Bruijning, M., Visser, M. D., Muller-Landau, H. C., Wright, S. J., Comita, L. S., Hubbell, S. P., De Kroon, H., Jongejans, E. (2017). Surviving in a Cosexual World: A Cost-Benefit Analysis of Dioecy in Tropical Trees. The American Naturalist. Vol. 189, No. 3.
Virola sebifera	Plantae	Bruijning, M., Visser, M. D., Muller-Landau, H. C., Wright, S. J., Comita, L. S., Hubbell, S. P., De Kroon, H., Jongejans, E. (2017). Surviving in a Cosexual World: A Cost-Benefit Analysis of Dioecy in Tropical Trees. The American Naturalist. Vol. 189, No. 3.
Bouteloua eriopoda	Plantae	Tredennick, A. T., De Mazancourt, C., Loreau, M., Adler, P. B. (2017). Environmental responses, not species interactions, determine synchrony of dominant species in semiarid grasslands. Ecology.
Sporobolus ?exuosus	Plantae	Tredennick, A. T., De Mazancourt, C., Loreau, M., Adler, P. B. (2017). Environmental responses, not species interactions, determine synchrony of dominant species in semiarid grasslands. Ecology.
Bouteloua eriopoda	Plantae	Tredennick, A. T., De Mazancourt, C., Loreau, M., Adler, P. B. (2017). Environmental responses, not species interactions, determine synchrony of dominant species in semiarid grasslands. Ecology.
Bouteloua rothrockii	Plantae	Tredennick, A. T., De Mazancourt, C., Loreau, M., Adler, P. B. (2017). Environmental responses, not species interactions, determine synchrony of dominant species in semiarid grasslands. Ecology.
Bouteloua curtipendula	Plantae	Tredennick, A. T., De Mazancourt, C., Loreau, M., Adler, P. B. (2017). Environmental responses, not species interactions, determine synchrony of dominant species in semiarid grasslands. Ecology.
Bouteloua hirsuta	Plantae	Tredennick, A. T., De Mazancourt, C., Loreau, M., Adler, P. B. (2017). Environmental responses, not species interactions, determine synchrony of dominant species in semiarid grasslands. Ecology.
Schizachyrium scoparium	Plantae	Tredennick, A. T., De Mazancourt, C., Loreau, M., Adler, P. B. (2017). Environmental responses, not species interactions, determine synchrony of dominant species in semiarid grasslands. Ecology.
Bouteloua gracilis	Plantae	Tredennick, A. T., De Mazancourt, C., Loreau, M., Adler, P. B. (2017). Environmental responses, not species interactions, determine synchrony of dominant species in semiarid grasslands. Ecology.
Hesperostipa comata	Plantae	Tredennick, A. T., De Mazancourt, C., Loreau, M., Adler, P. B. (2017). Environmental responses, not species interactions, determine synchrony of dominant species in semiarid grasslands. Ecology.
Pascopyrum smithii	Plantae	Tredennick, A. T., De Mazancourt, C., Loreau, M., Adler, P. B. (2017). Environmental responses, not species interactions, determine synchrony of dominant species in semiarid grasslands. Ecology.
Poa secunda	Plantae	Tredennick, A. T., De Mazancourt, C., Loreau, M., Adler, P. B. (2017). Environmental responses, not species interactions, determine synchrony of dominant species in semiarid grasslands. Ecology.
Artemisia tripartita	Plantae	Tredennick, A. T., De Mazancourt, C., Loreau, M., Adler, P. B. (2017). Environmental responses, not species interactions, determine synchrony of dominant species in semiarid grasslands. Ecology.
Pseudoroegneria spicata	Plantae	Tredennick, A. T., De Mazancourt, C., Loreau, M., Adler, P. B. (2017). Environmental responses, not species interactions, determine synchrony of dominant species in semiarid grasslands. Ecology.

Hesperostipa comata	Plantae	Tredennick, A. T., De Mazancourt, C., Loreau, M., Adler, P. B. (2017). Environmental responses, not species interactions, determine synchrony of dominant species in semiarid grasslands. Ecology.
Poa secunda	Plantae	Tredennick, A. T., De Mazancourt, C., Loreau, M., Adler, P. B. (2017). Environmental responses, not species interactions, determine synchrony of dominant species in semiarid grasslands. Ecology.
Gadus morhua	Animalia	Aalto, E. A., Baskett, M. L. (2017). Post-harvest recovery dynamics depend on predator specialization in size-selective fisheries. Marine Ecology Progress Series. Vol 564: 127-143.
Melanogrammus aeglefinus	Animalia	Aalto, E. A., Baskett, M. L. (2017). Post-harvest recovery dynamics depend on predator specialization in size-selective fisheries. Marine Ecology Progress Series. Vol 564: 127-143.
Merlangius merlangus	Animalia	Aalto, E. A., Baskett, M. L. (2017). Post-harvest recovery dynamics depend on predator specialization in size-selective fisheries. Marine Ecology Progress Series. Vol 564: 127-143.
Balanophyllia elegans	Animalia	Elahi, R., Sebens, K. P., De Leo, G. A. (2016). Ocean warming and the demography oi declines in coral body size. Marine Ecology Progress Series. Vol. 560: 147-158.
Calathea crotalifera	Plantae	Westerband, A. C., Horvitz, C. C. (2017). Photosynthetic rates influence the population dynamics of understory herbs in stochastic light environments. Ecology, 98 (2): 370-381.
Heliconia tortuosa	Plantae	Westerband, A. C., Horvitz, C. C. (2017). Photosynthetic rates influence the population dynamics of understory herbs in stochastic light environments. Ecology, 98 (2): 370-381.
Microtus ochrogaster	Animalia	Van Benthem, K. J., Froy, H., Coulson, T., Getz, L. L., Oli, M. K., Ozgul, A. (2017). Trait – demography relationships underlying small mammal population ?uctuations. Journal of Animal Ecology, 86: 348-358.
Mammillaria dixanthocentron	Plantae	Ureta, C., Martorell, C., Hortal, J., & Fornoni, J. (2012). Assessing extinction risks under the combined effects of climate change and human disturbance through the analysis of life-history plasticity. Perspectives in Plant Ecology, Evolution and Systematics, 14(6), 393-401.
Mammillaria hernandezii	Plantae	Ureta, C., Martorell, C., Hortal, J., & Fornoni, J. (2012). Assessing extinction risks under the combined effects of climate change and human disturbance through the analysis of life-history plasticity. Perspectives in Plant Ecology, Evolution and Systematics, 14(6), 393-401.
Astrocaryum chambira	Plantae	García, N., Zuidema, P. A., Galeano, G., & Bernal, R. (2016). Demography and sustainable management of two fiber?producing Astrocaryum palms in Colombia. Biotropica, 48(5), 598-607.
Astrocaryum standleyanum	Plantae	García, N., Zuidema, P. A., Galeano, G., & Bernal, R. (2016). Demography and sustainable management of two fiber?producing Astrocaryum palms in Colombia. Biotropica, 48(5), 598-607.
Ovis canadensis	Animalia	Manlove, Kezia, et al. "Disease introduction is associated with a phase transition in bighorn sheep demographics." Ecology 97.10 (2016): 2593-2602.
Nothofagus dombeyi	Plantae	Molowny?Horas, R., Suarez, M. L., & Lloret, F. (2017). Changes in the natural dynamics of Nothofagus dombeyi forests: population modeling with increasing drought frequencies. Ecosphere, 8(3), e01708.
Poa alsodes	Plantae	Chung, Y. A., Miller, T. E., & Rudgers, J. A. (2015). Fungal symbionts maintain a rare plant population but demographic advantage drives the dominance of a common host. Journal of Ecology.
Poa sylvestris	Plantae	Chung, Y. A., Miller, T. E., & Rudgers, J. A. (2015). Fungal symbionts maintain a rare plant population but demographic advantage drives the dominance of a common host. Journal of Ecology.

Protea repens	Plantae	Merow, C., Latimer, A. M., Wilson, A. M., McMahon, S. M., Rebelo, A. G., Silander Jr, J. A. (2014). On using integral projecction modls to generate demographically driven predictions of species distributions: development and validation using sparse data. Ecography 32: 1167-1183
Opuntia rastrera	Plantae	Ureta, C., Martorell, C., Cuervo-Robayo, A. P., Mandujano, M. C., Martínez-Meyer, E. (2018). Inferring space from time: On the relationship between demography and environmental suitability in the desert plan O. rastrera. Plos ONE 13(8): e0201543
Ambrosia artemisiifolia	Plantae	Lommen, S. T. E., Jongejans, E., Leitsch-Vitalos, M., Tokarska-Guzik, B., Zalai, M., Müller-Schärer, H., Karrer, G. (2018). Time to cut: population models reveal how to mow invasive common ragweed cost-effectively. NeoBiota (39):: 53-78
Ivesia lycopodioides A. Gray var. scandularis	Plantae	Oldfather, M. F. (2018). Population and Community Dynamics of Alpine Plants in a Changing Climate Across Topographically Heterogeneous Landscapes (Doctoral dissertation, UC Berkeley).
Turritis_glabra	Plantae	Merow, C., Bois, S. T., Allen, J. M., Xie, Y., Silander Jr., J. A. (2017). Climate change both facilitates and inhibits invasive plant ranges in New England. PNAS Vol. 114, Issue 16.
Daphnia magna	Animalia	Bruijning, M., ten Berge, A. C., & Jongejans, E. (2018). Population?level responses to temperature, density and clonal differences in Daphnia magna as revealed by integral projection modelling. Functional Ecology, 32(10), 2407-2422.
Pinus massoniana	Plantae	Yang, X., Li, S., Shen, B., Wu, Y., Sun, S., Liu, R., ... & Li, S. L. (2018). Demographic strategies of a dominant tree species in response to logging in a degraded subtropical forest in Southeast China. Annals of Forest Science, 75(3), 84.
Viola biflora L. var. rockiana	Plantae	Cui, H., Töpper, J. P., Yang, Y., Vandvik, V., & Wang, G. (2018). Plastic population effects and conservative leaf traits in a reciprocal transplant experiment simulating climate warming in the Himalayas. Frontiers in plant science, 9.
Acropora sp.; Pocillopora sp; Porites sp;	Animalia	Kayal, M., Lenihan, H. S., Brooks, A. J., Holbrook, S. J., Schmitt, R. J., & Kendall, B. E. (2018). Predicting coral community recovery using multi?species population dynamics models. Ecology letters.
Marmota flaviventer	Animalia	Maldonado?Chaparro, A. A., Blumstein, D. T., Armitage, K. B., & Childs, D. Z. (2018). Transient LTRE analysis reveals the demographic and trait?mediated processes that buffer population growth. Ecology letters, 21(11), 1693-1703.
Ctenopharyngodon idella	Animalia	Erickson, R. A., Eager, E. A., Kocovsky, P. M., Glover, D. C., Kallis, J. L., & Long, K. R. (2018). A spatially discrete, integral projection model and its application to invasive carp. Ecological Modelling, 387, 163-171.
NYD; 15 as Chu&Adler 2015	Plantae	Tredennick, A., Teller, B. J., Adler, P. B., Hooker, G., & Ellner, S. P. (2018). Size-by-environment interactions: a neglected dimension of species' responses to environmental variation. bioRxiv, 329771.
Carduus nutans	Plantae	Hindle, B. J., Rees, M., Sheppard, A. W., Quintana?Ascencio, P. F., Menges, E. S., & Childs, D. Z. (2017). Exploring population responses to environmental change when there is never enough data: a factor analytic approach. Methods in Ecology and Evolution.
Eryngium cuneifolium	Plantae	Hindle, B. J., Rees, M., Sheppard, A. W., Quintana?Ascencio, P. F., Menges, E. S., & Childs, D. Z. (2017). Exploring population responses to environmental change when there is never enough data: a factor analytic approach. Methods in Ecology and Evolution.
Ostrea lurida	Animalia	Kimbro, D. L., White, J. W., & Grosholz, E. D. (2018). The dynamics of open populations: integration of top–down, bottom–up and supply?side influences on intertidal oysters. Oikos.
Gadus morua	Animalia	Färber, L., Durant, J. M., Vindenes, Y., & Langangen, Ø. (2018). Increased early offspring growth can offset the costs of long-distance spawning migration in fish. Marine Ecology Progress Series, 600, 141-150.

Limosa limosa limosa	Animalia	Kentie, R., Coulson, T., Hooijmeijer, J. C., Howison, R. A., Loonstra, A. J., Verhoeven, M. A., ... & Piersma, T. (2018). Warming springs and habitat alteration interact to impact timing of breeding and population dynamics in a migratory bird. Global change biology.
Astragalus utahensis	Plantae	Baer, K., & Maron, J. (2018). Declining demographic performance and dispersal limitation influence the geographic distribution of the perennial forb, Astragalus utahensis (fabaceae). Journal of Ecology.
Helianthemum caputfelis	Plantae	Sulis, E., Bacchetta, G., Cogoni, D., & Fenu, G. (2018). Short-term population dynamics of Helianthemum caput-felis, a perennial Mediterranean coastal plant: a key element for an effective conservation programme. Systematics and Biodiversity, 1-10.
Aconitum noveboracense	Plantae	Louthan, A., & Doak, D. (2018). Measurement error of state variables creates substantial bias in results of demographic population models. Ecology, 99(10), 2308-2317.
Salvia nubicola	Plantae	Dostálek, T., Rokaya, M. B., & Münzbergová, Z. (2018). Altitude, habitat type and herbivore damage interact in their effects on plant population dynamics. PloS one, 13(12), e0209149.
Plantago lanceolata	Plantae	Chen, S. (2018) Modelling plant populations - do clonality and seed ecology matter? A study on Plantago lanceolata using integral projection models (IPMs). University of Sydney
Heracleum mantegazzianum	Plantae	Drake, J. P. (2019). An Integral Projection Model for Giant Hogweed (Master's thesis, University of Waterloo).
Suricata suricatta	Animalia	Paniw, M., Maag, N., Cozzi, G., Clutton-Brock, T., & Ozgul, A. (2019). Life history responses of meerkats to seasonal changes in extreme environments. Science, 363(6427), 631-635.
Fallopia japonica	Plantae	Lavallée, F., Smadi, C., Alvarez, I., Reineking, B., Martin, F. M., Dommanget, F., & Martin, S. (2019). A stochastic individual based model for the growth of a stand of Japanese knotweed including mowing as a management technique. arXiv preprint arXiv:1902.06971.
Corallium rubrum	Animalia	Montero?Serra, I., Garrabou, J., Doak, D. F., Ledoux, J. B., & Linares, C. Marine protected areas enhance structural complexity but do not buffer the consequences of ocean warming for an overexploited precious coral. Journal of Applied Ecology.
Ailanthus altissima	Plantae	Levin, S. C., Crandall, R. M., & Knight, T. M. (2019). Population projection models for 14 alien plant species in the presence and absence of above?ground competition. Ecology, e02681.
Euonymus alatus	Plantae	Levin, S. C., Crandall, R. M., & Knight, T. M. (2019). Population projection models for 14 alien plant species in the presence and absence of above?ground competition. Ecology, e02681.
Ligustrum obtusifolium	Plantae	Levin, S. C., Crandall, R. M., & Knight, T. M. (2019). Population projection models for 14 alien plant species in the presence and absence of above?ground competition. Ecology, e02681.
Lonicera maackii	Plantae	Levin, S. C., Crandall, R. M., & Knight, T. M. (2019). Population projection models for 14 alien plant species in the presence and absence of above?ground competition. Ecology, e02681.
Microchloa kunthii	Plantae	Martorell, C., & Martínez?Ballesté, A. (2019). Stress and disturbance determine the demographic dynamics of two grass species along a grazing gradient in Southern Mexico. Population Ecology, 61(2), 160-170.
Dianthus morisianus	Plantae	Cogoni, D., Sulis, E., Bacchetta, G., & Fenu, G. (2019). The unpredictable fate of the single population of a threatened narrow endemic Mediterranean plant. Biodiversity and Conservation, 1-15.

Euterpe precatoria	Plantae	Isaza, C., Bernal, R., Galeano, G., & Martorell, C. (2017). Demography of Euterpe precatoria and Mauritia flexuosa in the Amazon: application of integral projection models for their harvest. Biotropica, 49(5), 653-664.
Mauritia flexuosa	Plantae	Isaza, C., Bernal, R., Galeano, G., & Martorell, C. (2017). Demography of Euterpe precatoria and Mauritia flexuosa in the Amazon: application of integral projection models for their harvest. Biotropica, 49(5), 653-664.
Erythranthe cardinalis	Plantae	Sheth, S. N., & Angert, A. L. (2018). Demographic compensation does not rescue populations at a trailing range edge. Proceedings of the National Academy of Sciences, 115(10), 2413-2418.
Rhizoglyphus robini	Animalia	Deere, J. A., Coulson, T., Cubaynes, S., & Smallegange, I. M. (2017). Unsuccessful dispersal affects life history characteristics of natal populations: The role of dispersal related variation in vital rates. Ecological Modelling, 366, 37-47.
Plesiastrea versipora	Animalia	Precoda, K., Baird, A. H., Madsen, A., Mizerek, T., Sommer, B., Su, S. N., & Madin, J. S. (2018). How does a widespread reef coral maintain a population in an isolated environment?. Marine Ecology Progress Series, 594, 85-94.
Hypericum cumulicola	Plantae	Quintana?Ascencio, P. F., Koontz, S. M., Smith, S. A., Sclater, V. L., David, A. S., & Menges, E. S. (2018). Predicting landscape?level distribution and abundance: Integrating demography, fire, elevation and landscape habitat configuration. Journal of Ecology, 106(6), 2395-2408.
Astragalus utahensis	Plantae	Baer, K. C., & Maron, J. L. (2018). Pre?dispersal seed predation and pollen limitation constrain population growth across the geographic distribution of Astragalus utahensis. Journal of Ecology, 106(4), 1646-1659.
Carapa guianensis	Plantae	Klimas, C. M., Cropper Jr, W. P., Kainer, K. A., & de Oliveira Wadt, L. H. (2017). Multimodel Projections for Evaluating Sustainable Timber and Seed Harvest of Carapa guianensis. Forest Science, 64(1), 15-27.
Arisaema triphyllum	Plantae	Heckel, C. (2015). The influence of indirect effects of large herbivores on the life history and population dynamics of unpalatable forest herb species (Doctoral dissertation, University of Pittsburgh).
Aurinia saxatilis ssp saxatilis	Plantae	Šimáková, T. (2018). Population biology of rock outcrop plant Aurinia saxatilis ssp saxatilis.
Helianthemum squamatum	Plantae	Tye, M. (2014). Integral projection models reveal interactive effects of biotic factors and disturbance on plant demography.
Poulsenia armata	Plantae	Zambrano, J., & Salguero?Gómez, R. (2014). Forest fragmentation alters the population dynamics of a late?successional tropical tree. Biotropica, 46(5), 556-564.
Fumana procumbens	Plantae	Edelfeldt, S., Bengtsson, K., & Dahlgren, J. P. (2019). Demographic senescence and effects on population dynamics of a perennial plant. Ecology, e02742.
Carphephorus bellidifolius	Plantae	Caughlin, T. T., Damschen, E. I., Haddad, N. M., Levey, D. J., Warneke, C., & Brudvig, L. A. (2019). Landscape heterogeneity is key to forecasting outcomes of plant reintroduction. Ecological Applications, 29(2), e01850.
Liatris squarrulosa	Plantae	Caughlin, T. T., Damschen, E. I., Haddad, N. M., Levey, D. J., Warneke, C., & Brudvig, L. A. (2019). Landscape heterogeneity is key to forecasting outcomes of plant reintroduction. Ecological Applications, 29(2), e01850.
Gaillardia aristata	Plantae	Hegstad, R. J., & Maron, J. L. (2019). Productivity and related soil properties mediate the population?level consequences of rodent seed predation on Blanketflower, Gaillardia aristata. Journal of Ecology, 107(1), 34-44.
Dioon caputoi	Plantae	Cabrera?Toledo, D., González?Astorga, J., Vovides, A. P., Casas, A., Vargas?Ponce, O., Carrillo?Reyes, P., ... & Vega, E. (2019). Surviving background extinction: Inferences from historic and current dynamics in the contrasting population structures of two endemic Mexican cycads. Population Ecology, 61(1), 62-73.

Dioon Planifolium	Plantae	Cabrera?Toledo, D., González?Astorga, J., Vovides, A. P., Casas, A., Vargas?Ponce, O., Carrillo?Reyes, P., ... & Vega, E. (2019). Surviving background extinction: Inferences from historic and current dynamics in the contrasting population structures of two endemic Mexican cycads. Population Ecology, 61(1), 62-73.
Canis lupus	Animalia	Horne, J. S., Ausband, D. E., Hurley, M. A., Struthers, J., Berg, J. E., & Groth, K. (2019). Integrated population model to improve knowledge and management of Idaho wolves. The Journal of Wildlife Management, 83(1), 32-42.
Agelaius tricolor	Animalia	Robinson, O. J., Ruiz-Gutierrez, V., Fink, D., Meese, R. J., Holyoak, M., & Cooch, E. G. (2018). Using citizen science data in integrated population models to inform conservation. Biological Conservation, 227, 361-368.
Artemisia tripartita	Plantae	Adler, P. B., Kleinhesselink, A., Hooker, G., Taylor, J. B., Teller, B., & Ellner, S. P. (2018). Weak interspecific interactions in a sagebrush steppe? Conflicting evidence from observations and experiments. Ecology, 99(7), 1621-1632.
Hesperostipa comata	Plantae	Adler, P. B., Kleinhesselink, A., Hooker, G., Taylor, J. B., Teller, B., & Ellner, S. P. (2018). Weak interspecific interactions in a sagebrush steppe? Conflicting evidence from observations and experiments. Ecology, 99(7), 1621-1632.
Pseudoroegneria spicata	Plantae	Adler, P. B., Kleinhesselink, A., Hooker, G., Taylor, J. B., Teller, B., & Ellner, S. P. (2018). Weak interspecific interactions in a sagebrush steppe? Conflicting evidence from observations and experiments. Ecology, 99(7), 1621-1632.
Poa secunda	Plantae	Adler, P. B., Kleinhesselink, A., Hooker, G., Taylor, J. B., Teller, B., & Ellner, S. P. (2018). Weak interspecific interactions in a sagebrush steppe? Conflicting evidence from observations and experiments. Ecology, 99(7), 1621-1632.
Rhizoglyphus robini	Animalia	Smallegange, I. M., & Ens, H. M. (2018). Trait?based predictions and responses from laboratory mite populations to harvesting in stochastic environments. Journal of Animal Ecology, 87(4), 893-905.
Chamaedorea elegans	Plantae	Jansen, M., Anten, N. P., Bongers, F., Martínez?Ramos, M., & Zuidema, P. A. (2018). Towards smarter harvesting from natural palm populations by sparing the individuals that contribute most to population growth or productivity. Journal of applied ecology, 55(4), 1682-1691.
Tridacna maxima	Animalia	Schreiber, S. J., & Moore, J. L. (2018). The structured demography of open populations in fluctuating environments. Methods in Ecology and Evolution, 9(6), 1569-1580.
Psidium cattleianum	Plantae	Horvitz, C. C., Denslow, J. S., Johnson, T., Gaoue, O., & Uowolo, A. (2018). Unexplained variability among spatial replicates in transient elasticity: implications for evolutionary ecology and management of invasive species. Population ecology, 60(1-2), 61-75.
Asclepias curassavica	Plantae	Kellett, K. M., & Shefferson, R. P. (2018). Temporal variation in reproductive costs and payoffs shapes the flowering strategy of a neotropical milkweed, Asclepias curassavica. Population ecology, 60(1-2), 77-87.
Ailanthus altissima	Plantae	Crandall, R. M., & Knight, T. M. (2018). Role of multiple invasion mechanisms and their interaction in regulating the population dynamics of an exotic tree. Journal of applied ecology, 55(2), 885-894.
Prioria copaifera	Plantae	Needham, J., Merow, C., Chang-Yang, C. H., Caswell, H., & McMahon, S. M. (2018). Inferring forest fate from demographic data: from vital rates to population dynamic models. Proceedings of the Royal Society B: Biological Sciences, 285(1874), 20172050.
Calophyllum longifolium	Plantae	Needham, J., Merow, C., Chang-Yang, C. H., Caswell, H., & McMahon, S. M. (2018). Inferring forest fate from demographic data: from vital rates to population dynamic models. Proceedings of the Royal Society B: Biological Sciences, 285(1874), 20172050.

Garcinia intermedia	Plantae	Needham, J., Merow, C., Chang-Yang, C. H., Caswell, H., & McMahon, S. M. (2018). Inferring forest fate from demographic data: from vital rates to population dynamic models. Proceedings of the Royal Society B: Biological Sciences, 285(1874), 20172050.
Upupa epops	Plantae	Plard, F., Schindler, S., Arlettaz, R., & Schaub, M. (2018). Sex-specific heterogeneity in fixed morphological traits influences individual fitness in a monogamous bird population. The American Naturalist, 191(1), 106-119.
Ursus arctos	Animalia	Bled, F., Belant, J. L., Van Daele, L. J., Svoboda, N., Gustine, D., Hilderbrand, G., & Barnes Jr, V. G. (2017). Using multiple data types and integrated population models to improve our knowledge of apex predator population dynamics. Ecology and evolution, 7(22), 9531-9543.
33 tree species	Plantae	Visser, M. D., Schnitzer, S. A., Muller?Landau, H. C., Jongejans, E., de Kroon, H., Comita, L. S., ... & Wright, S. J. (2018). Tree species vary widely in their tolerance for liana infestation: A case study of differential host response to generalist parasites. journal of ecology, 106(2), 781-794.
Bertholletia Excelsa	Plantae	Bertwell, T. D., Kainer, K. A., Cropper Jr, W. P., Staudhammer, C. L., & de Oliveira Wadt, L. H. (2018). Are Brazil nut populations threatened by fruit harvest?. Biotropica, 50(1), 50-59.
Dendroctonus ponderosae	Animalia	Goodsman, D. W., Aukema, B. H., McDowell, N. G., Middleton, R. S., & Xu, C. (2018). Incorporating variability in simulations of seasonally forced phenology using integral projection models. Ecology and evolution, 8(1), 162-175.
Schiedea obovata	Plantae	Bialic?Murphy, L., & Gaoue, O. G. (2018). Low interannual precipitation has a greater negative effect than seedling herbivory on the population dynamics of a short?lived shrub, Schiedea obovata. Ecology and evolution, 8(1), 176-184.
Hibiscus meyeri	Plantae	Louthan, A. M., Pringle, R. M., Goheen, J. R., Palmer, T. M., Morris, W. F., & Doak, D. F. (2018). Aridity weakens population-level effects of multiple species interactions on Hibiscus meyeri. Proceedings of the National Academy of Sciences, 115(3), 543-548.
Cirsium vulgare	Plantae	Schultz, E. L. (2018) Populations in a changing world: the effects of environmental variation on species with complex life histories. Rice University
Hypericum cumulicola	Plantae	Quintana?Ascencio, P. F., Koontz, S. M., Ochocki, B., Sclater, V. L., López?Borghesi, F., Li, H., & Menges, E. S. Assessing the roles of seed bank, seed dispersal and historical disturbances for metapopulation persistence of a pyrogenic herb. Journal of Ecology.
Veratrum album	Plantae	Franco, D., Guiver, C., Logemann, H., & Perán, J. (2019). Boundedness, persistence and stability for classes of forced difference equations arising in population ecology. Journal of Mathematical Biology, 1-48.
Ipomopsis aggregata	Plantae	Campbell, D. R. (2019). Early snowmelt projected to cause population decline in a subalpine plant. Proceedings of the National Academy of Sciences, 201820096.
Ipomopsis tenuituba	Plantae	Campbell, D. R. (2019). Early snowmelt projected to cause population decline in a subalpine plant. Proceedings of the National Academy of Sciences, 201820096.
Boswellia papyrifera	Plantae	Bongers, F., Groenendijk, P., Bekele, T., Birhane, E., Damtew, A., Decuyper, M., ... & Lemenih, M. (2019). Frankincense in peril. Nature Sustainability, 2, 602-610.
Sebastes mystinus	Animalia	Nickols, K. J., White, J. W., Malone, D., Carr, M. H., Starr, R. M., Baskett, M. L., ... & Botsford, L. W. (2019). Setting ecological expectations for adaptive management of marine protected areas. Journal of Applied Ecology.
Thamnophis gigas	Animalia	
Yermo xanthocephalus	Plantae	Dibner, R.R, Peterson, M. L., Louthan, A. M., & Doak, D.F. (2019). Multiple mechanisms confer stability to isolated populations of a rare endemic plant. Ecological Monographs 89 (2): e01360.

Bugula neritina	Animalia	Cameron, H., Coulson, T., & Marshall, D. J. (2019) Size and density mediate transitions between competition and facilitation. Ecology Letters. DOI: 10.1111/ele.13381
Watersipora subtorquata	Animalia	Cameron, H., Coulson, T., & Marshall, D. J. (2019) Size and density mediate transitions between competition and facilitation. Ecology Letters. DOI: 10.1111/ele.13381
Arisaema triphyllum	Plantae	Bialic-Murphy, L., Heckel, C.D., McElderry, R.M., & Kalisz, S. (2019) Deer indirectly alter the reproductive strategy and operational sex ratio of an unpalatable forest perennial. American Naturalist 195 (1), 56-69
Poecilia reticulata	Animalia	De Bona, S. (2019) Dispersal, habitat use, and the invasion dynamics of introduced populations: A case study on the Guppy. (Doctoral Dissertation, University of Jyvaskyla)
Koeleria macrantha	Plantae	Collins, C.G., Bohner, T.F., & Diez J.M. (2019) Plant-soil feedbacks and faciliation influence the demography of herbaceous alpine species in response to woody plant range expansion. Frontiers in Ecology and Evolution. DOI: 10.3389/fevo.2019.00417
Eriogonum ovalifolium	Plantae	Collins, C.G., Bohner, T.F., & Diez J.M. (2019) Plant-soil feedbacks and faciliation influence the demography of herbaceous alpine species in response to woody plant range expansion. Frontiers in Ecology and Evolution. DOI: 10.3389/fevo.2019.00417
Esox lucius	Animalia	Stubberud, M. W., Vindenes, Y., Vollestad, L.A., Winfield, I.J., Stenseth, N. C., & Langangen, O. (2019) Effects of size- and sex-selective harvesting: An integral projection model approach. Ecology & Evolution. DOI: 10.1002/ece3.5719
Rheum nobile	Plantae	Song, B., Stoll, P., Peng, D., Sun, H., & Stoecklin, J. (2019) Demography of the giant monocarpic herb Rheum nobile in the Himalayas and the effect of disturbances by grazing. Annals of Botany. DOI: 10.1093/aob/mcz178
4 coral species	Animalia	Noriega, M.A. (2019) Competition and coexistance of reef-corals (PhD Dissertation, James Cook University)
Ostrea edulis	Animalia	Lown, A.E. (2019) Community ecology and population dynamics of the European native oyster (Ostrea edulis) in Essex, UK: A baseline for the management of the Blackwater, Crouch, Roach and Colne Estuaries Marine Conservation Zone. (PhD Dissertation, University of Essex)
Pimephales promelas	Animalia	Pollesch, N.L., Flynn, K.M., Kadlec, S.M., Swintek, J.A., & Etterson, M.A. Developing integral projection models for ecotoxicology. URL: https://scse.d.umn.edu/sites/scse.d.umn.edu/files/polleschnate__paper__2__12062019.
Cervus canadensis	Animalia	Lachish, S., Brandell, E., Craft, M., Dobson, A., Hudson, P., Macnulty, D., & Coulson, T. (2019) Investigating the dynamics of elk population size and body mass in a seasonal environment using a mechanistic integral projection model. Am Nat
Hymanaea courbaril	Plantae	Marques, I., Vidal, E., Tomazello-Filho, M., & Groenendijk, P. (2019) Applying tree rings and population models to improve future timber yield projections of Hymenaea courbaril (Jatoba) in the Eastern Amazon. Pesq. Flor. Bras. 39.
Daphnia magna	Animalia	Bruijning, M. (2019) Persisting in an ever-changing world: Integrating plastic and genetic responses across the life cycle. (PhD Dissertation, Radboud University Nijmegen)
Lathyrus vernus	Plantae	Greiser, C., Hylander, K., Meineri, E., Luoto, M., & Ehrlen, J. (2020) Climate limitation at the cold edge: contrasting perspectives from species distribution modelling and a transplant experiment. Ecography 43: 1-11.
Echinomastus erectocentrus var. acunensis	Plantae	Larios, E., Gonzalez, E.J., Rosen, P.C., Pate, A., & Holm, P. (2020) Population projections of an endangered cactus suggest little impact of climate change. Oecologia. DOI: 10.1007/s00442-020-04595-y
Rhizoglyphus robini	Animalia	Deere, J.A., van den Berg, I., Roth, G., Smallegange, I.M. (2020) Modelling the impact of dispersal on a natal population that exhibits boom-bust dynamics. bioRxiv. DOI: 10.1101/402198

Ovis aries	Animalia	Kentie, R., Clegg, S.M., Tuljapurkar, S., Gaillard, J-M., Coulson, T. (2020) Life-history strategy varies with the strength of competition in a food-limited ungulate population. Ecology Letters. DOI: 10.1111/ele.13470
Actea spicata	Plantae	Roemer, G., Christiansen, D.M., de Buhr, H., Hylander, K., Jones, O.R., Merinero, S., Reitzel, K., Ehrlen, J., & Dahlgren, J.P. (2020). Drivers of large-scale spatial demographic variation in a perennial plant. DOI: 10.1101/2020.02.29.969428
Podarcis lilfordi	Animalia	Rotger, A., Igual, J.M., & Tavecchia, G. (2020) Contrastic size-dependent life history strategies of an insular lizard. Current Zoology 2020: 1-9. DOI: 10.1093/cz/zoaa019
Ambystoma bishopi	Animalia	Brooks, G.M. (2020) Chapter 4: Population viability of an endangered amphibian under future management scenarios, In: On the use of demographic models to inform amphibian conservation and management: a case study of the Reticulated Flatwoods Salamander.
Branta leucopsis	Animalia	Layton-Matthews, K. (2020) Demographic consequences of rapid climate change and density dependence in migratory Arctic Geese. PhD Thesis.
Nerodia sipedon	Animalia	Rose, J.P., & Todd, B.D. (2020) Targeting eradication of introduced watersnakes using integral projection models. Animal Conservation. DOI: 10.1111/acv.12590
Pseudoroegneria spicata	Plantae	Shriver, R.K., Campbell, E., Dailey, C., Gaya, H., Hill, A., Kuzminski, S., Miller-Bartley, M., Moen, K., Moettus, R., Oschrin, E., Reese, D., Simonson, M., Willson, A, & Parker, T.H. (2020) Local landscape position impacts demographic rates in a widespread North American steppe bunchgrass. DOI: 10.32942/osf.io/8pdwg
Lupinus polyphyllus	Plantae	Ramula S. (2020) Annual mowing has the potential to reduce the invasion of herbaceous Lupinus polyphyllus. Biological lnvasions 22: 3163-3173.
Cyclindriopuntia imbricata	Plantae	Czachura, K., & Miller T.E.X. (2020) Demographic back-casting reveals that subtle dimensions of climate change have strong effects on population viability. Journal of Ecology. DOI: 10.1111/1365-2745.13471
Lupinus tidestromii	Plantae	Compagnoni A., Pardini E., & Knight T.M. (2020) Increasing temperature threatens an already endangered coastal dune plant. bioRxiv. DOI: 10.1101/2020.08.02.2333288
Porites divaricata	Animalia	Lord K.S. (2020) The importance of mangroves as habitat for corals. Reef Encounter 35(1): 36-40.
Sebastes auriculatus	Animalia	Perkins, N.R., Prall, M., Chakraborty A., White, J.W., Baskett, M.L., & Morgan S.G. (2020) Quantifying the statistical power of monitoring programs for marine protected areas. Ecological Applications. DOI: 10.1002/eap.2215
Ranunculus austro-oreganus	Plantae	Reed, P.B., Peterson, M.L., Pfeifer-Meister, L.E., Morris, W.F., Doak, D.F., Roy, B.A., Johnson, B.R., Bailes, G.T., Nelson, A.A., & Bridgham, S.D. (2020) Climate manipulations differentially affect plant population dynamics within versus beyond northern range limits. Journal of Ecology. DOI: 10.1111/1365-2745.13494
Sidelcea malviflora	Plantae	Reed, P.B., Peterson, M.L., Pfeifer-Meister, L.E., Morris, W.F., Doak, D.F., Roy, B.A., Johnson, B.R., Bailes, G.T., Nelson, A.A., & Bridgham, S.D. (2020) Climate manipulations differentially affect plant population dynamics within versus beyond northern range limits. Journal of Ecology. DOI: 10.1111/1365-2745.13494
Microseris laciniata	Plantae	Reed, P.B., Peterson, M.L., Pfeifer-Meister, L.E., Morris, W.F., Doak, D.F., Roy, B.A., Johnson, B.R., Bailes, G.T., Nelson, A.A., & Bridgham, S.D. (2020) Climate manipulations differentially affect plant population dynamics within versus beyond northern range limits. Journal of Ecology. DOI: 10.1111/1365-2745.13494
Achnatherum lemmonii	Plantae	Reed, P.B., Peterson, M.L., Pfeifer-Meister, L.E., Morris, W.F., Doak, D.F., Roy, B.A., Johnson, B.R., Bailes, G.T., Nelson, A.A., & Bridgham, S.D. (2020) Climate manipulations differentially affect plant population dynamics within versus beyond northern range limits. Journal of Ecology. DOI: 10.1111/1365-2745.13494

Festuca roemeri	Plantae	Reed, P.B., Peterson, M.L., Pfeifer-Meister, L.E., Morris, W.F., Doak, D.F., Roy, B.A., Johnson, B.R., Bailes, G.T., Nelson, A.A., & Bridgham, S.D. (2020) Climate manipulations differentially affect plant population dynamics within versus beyond northern range limits. Journal of Ecology. DOI: 10.1111/1365-2745.13494
Danthonia californica	Plantae	Reed, P.B., Peterson, M.L., Pfeifer-Meister, L.E., Morris, W.F., Doak, D.F., Roy, B.A., Johnson, B.R., Bailes, G.T., Nelson, A.A., & Bridgham, S.D. (2020) Climate manipulations differentially affect plant population dynamics within versus beyond northern range limits. Journal of Ecology. DOI: 10.1111/1365-2745.13494