

58. Cardillo, M. *et al.* Human population density and extinction risk in the world's carnivores. *PLoS Biol.* **2**, e197 (2004).
59. McKee, J., Chambers, E. & Guseman, J. Human population density and growth validated as extinction threats to mammal and bird species. *Hum. Ecol.* **41**, 773–778 (2013).
60. Center for International Earth Science Information Network - CIESIN - Columbia University, and Centro Internacional de Agricultura Tropical - CIAT. *Gridded Population of the World, Version 3 (GPWv3): Population Density Grid* <http://sedac.ciesin.columbia.edu/data/set/gpw-v3-population-density> (2005).
61. Green, R. E., Cornell, S. J., Scharlemann, J. P. W. & Balmford, A. Farming and the fate of wild nature. *Science* **307**, 550–555 (2005).
62. Friedl, M. A. *et al.* MODIS Collection 5 global land cover: algorithm refinements and characterization of new datasets. *Remote Sens. Environ.* **114**, 168–182 (2010).
63. Stephens, P. A. *et al.* Consistent response of bird populations to climate change on two continents. *Science* **352**, 84–87 (2016).
64. Harris, I., Jones, P. D., Osborn, T. J. & Lister, D. H. Updated high-resolution grids of monthly climatic observations – the CRU TS3.10 dataset. *Int. J. Climatol.* **34**, 623–642 (2014).
65. Kleijn, D., Cherkaoui, I., Goedhart, P. W., van der Hout, J. & Lammertsma, D. Waterbirds increase more rapidly in Ramsar-designated wetlands than in unprotected wetlands. *J. Appl. Ecol.* **51**, 289–298 (2014).
66. Pavón-Jordán, D. *et al.* Climate-driven changes in winter abundance of a migratory waterbird in relation to EU protected areas. *Divers. Distrib.* **21**, 571–582 (2015).
67. UNEP-WCMC and IUCN. *Protected Planet: The World Database on Protected Areas (WDPA)* www.protectedplanet.net (2015).
68. Mace, G. M. *et al.* Quantification of extinction risk: IUCN's system for classifying threatened species. *Conserv. Biol.* **22**, 1424–1442 (2008).
69. Sanderson, F. J., Donald, P. F., Pain, D. J., Burfield, I. J. & van Bommel, F. P. J. Long-term population declines in Afro-Palearctic migrant birds. *Biol. Conserv.* **131**, 93–105 (2006).
70. Robbins, C. S., Sauer, J. R., Greenberg, R. S. & Droege, S. Population declines in North American birds that migrate to the neotropics. *Proc. Natl Acad. Sci. USA* **86**, 7658–7662 (1989).
71. Pocock, M. J. O. Can traits predict species' vulnerability? A test with farmland passerines in two continents. *Proc. R. Soc. Lond. Ser. B* **278**, 1532–1538 (2011).
72. Owens, I. P. F. & Bennett, P. M. Ecological basis of extinction risk in birds: habitat loss versus human persecution and introduced predators. *Proc. Natl Acad. Sci. USA* **97**, 12144–12148 (2000).
73. Wilman, H. *et al.* EltonTraits 1.0: species-level foraging attributes of the world's birds and mammals. *Ecology* **95**, 2027 (2014).