

ANDREW WATKINSON – PUBLICATIONS SINCE 2000

- Sutherland, W.J., Bardsley, S., Bennun, L., Clout, M., Côté, I.M., Depledge, M.H., Dicks, L.V., Dobson, A.P., Fellman, L., Fleishman, E., Gibbons, D.W., Impey, A.J., Lawton, J.H., Lickorish, F., Lindenmayer, D.B., Lovejoy, T.E., Nally, R.M., Madgwick, J., Peck, L.S., Pretty, J., Prior, S.V., Redford, K.H., Scharlemann, J.P.W., Spalding, M., Watkinson, A.R. 2010. Horizon scan of global conservation issues for 2011. Trends in Ecology and Evolution in press.
- Sutherland, W.J., Albon, S.D., Allison, H., Armstrong-Brown, S., Bailey, M.J., Brereton, T., Boyd, I.L., Carey, P., Edwards, J., Gill, M., Hill, D., Hodge, I., Hunt, A.J., Le Quesne, W.J.F., Macdonald, D.W., Mee, L.D., Mitchell, R., Norman, T., Owen, R.P., Parker, D., Prior, S.V., Pullin, A.S., Rands, M.R.W., Redpath, S., Spencer, J., Spray, C.J., Thomas, C.D., Tucker, G.M., Watkinson, A.R., Clements, A. 2010. The identification of priority policy options for UK nature conservation. Journal of Applied Ecology, **47** (5) pp. 955-965.
- Eglington, S.M., Bolton, M., Smart, M.A., Sutherland, W.J., Watkinson, A.R. and Gill, J.A. (2010) Managing water levels on wet grasslands to improve foraging conditions for breeding northern lapwing *Vanellus vanellus*. Journal of Applied Ecology, **47**, 451-458.
- Sutherland, W.J., Clout, M., Côté, I.M., Daszak, P., Depledge, M.H., Fellman, L., Fleishman, E., Garthwaite, R., Gibbons, D.W., De Lurio, J., Impey, A.J., Lickorish, F., Lindenmayer, D., Madgwick, J., Margerison, C., Maynard, T., Peck, L.S., Pretty, J., Prior, S., Redford, K.H., Scharlemann, J.P.W., Spalding, M. and Watkinson, A.R. (2010) A horizon scan of global conservation issues for 2010. Trends in Ecology and Evolution, **25** (1), 1-7.
- Pullin, A.S., Knight, T.M. and Watkinson, A.R. (2009) Linking reductionist science and holistic policy using systematic reviews: Unpacking environmental policy questions to construct an evidence-based framework. Journal of Applied Ecology, **46**(5), 970-975.
- Alvarez-Filip, L., Dulvy, N.K., Gill, J.A., Côté, I.M., Watkinson, A.R. (2009) Flattening of Caribbean coral reefs: Region-wide declines in architectural complexity. Proceedings of the Royal Society B: Biological Sciences, **276** (1669) pp. 3019-3025.
- Watkinson, A.R. (2009) Climate change at the coast: From global to local. Houille Blanche, (2) pp. 38-44.
- Sutherland, W.J., Adams, W.M., Aronson, R.B., Aveling, R., Blackburn, T.M., Broad, S., Ceballos, G., Côté, I.M., Cowling, R.M., Da Fonseca, G.A.B., Dinerstein, E., Ferraro, P.J., Fleishman, E., Gascon, C., Hunter Jr., M., Hutton, J., Kareiva, P., Kuria, A., MacDonald, D.W., MacKinnon, K., Madgwick, F.J., Mascia, M.B.,

- McNeely, J., Milner-Gulland, E.J., Moon, S., Morley, C.G., Nelson, S., Osborn, D., Pai, M., Parsons, E.C.M., Peck, L.S., Possingham, H., Prior, S.V., Pullin, A.S., Rands, M.R.W., Ranganathan, J., Redford, K.H., Rodriguez, J.P., Seymour, F., Sobel, J., Sodhi, N.S., Stott, A., Vance-Borland, K., Watkinson, A.R. (2009) One hundred questions of importance to the conservation of global biological diversity. *Conservation Biology*, **23** (3) pp. 557-567.
- Ma, Z., Li, B., Li, W., Han, N., Chen, J., Watkinson, A.R. (2009) Conflicts between biodiversity conservation and development in a biosphere reserve. *Journal of Applied Ecology*, **46**, 527-535.
- Cooke, I., Queenborough, S., Mattison, E., Bailey, A., Sandars, D., Graves, A., Morris, J., Atkinson, P., Trawick, P., Freckleton, R., Watkinson, A. & Sutherland, W. (2009) Integrating socio-economics and ecology: a taxonomy of quantitative methods and a review of their use in agro-ecology. *Journal of Applied Ecology*, **46**, 269-277.
- Coombes, E. G., Jones, A. P., Bateman, I. J., Tratalos, J. A., Gill, J. A., Showler, D. A., Watkinson, A. R. & Sutherland, W. J. (2009) Spatial and Temporal Modeling of Beach Use: A Case Study of East Anglia, UK. *Coastal Management*, **37**, 94-115.
- Dawson, R. J., Dickson, M. E., Nicholls, R. J., Hall, J. W., Walkden, M. J. A., Stansby, P., Mokrech, M., Richards, J., Zhou, J., Milligan, J., Jordan, A., Pearson, S., Rees, J., Bates, P., Koukoulas, S. & Watkinson, A. R. (2009) Integrated analysis of risks of coastal flooding and cliff erosion under scenarios of long term change. *Climatic Change*, **95** (1-2) pp. 249-288.
- Freckleton, R. P., Watkinson, A. R. & Rees, M. (2009) Measuring the importance of competition in plant communities. *Journal of Ecology*, **97**, doi: 19.1111/j.1365-2745.2009.01497.x.
- Milligan, J., O'Riordan, T., Nicholson-Cole, S. A. & Watkinson, A. R. (2009) Nature conservation for future sustainable shorelines: Lessons from seeking to involve the public. *Land Use Policy*, **26**, 203-213.
- Paddack, M. J., Reynolds, J. D., Aguilar, C., Appeldoorn, R. S., Beets, J., Burkett, E. W., Chittaro, P. M., Clarke, K., Esteves, R., Fonseca, A. C., Forrester, G. E., Friedlander, A. M., García-Sais, J., González-Sansón, G., Jordan, L. K. B., McClellan, D., Miller, M. W., Molloy, P., Mumby, P. J., Nagelkerken, I., Nemeth, M., Navas-Camacho, R., Pitt, J., Polunin, N. V. C., Reyes-Nivia, M. C., Robertson, D. R., Rodríguez-Ramírez, A., Salas, E., Smith, S. R., Spieler, R. E., Steele, M. A., Williams, I. D., Wormald, C. L., Watkinson, A. R. & Côté, I. M. (2009) Recent region-wide declines in Caribbean reef fish abundance. *Current Biology*, **19**, 590-595.

- Uyarra, M.C., Watkinson, A.R. and Côté, I.M. (2009) Managing dive tourism for the sustainable use of coral reefs: validating diver perceptions of attractive site features. *Environmental Management*, **43**, 1-16.
- Coombes, E.G., Jones, A.P., Bateman, I.J., Tratalos, J.A., Gill, J.A., Showler, D.A., Watkinson, A.R. and Sutherland, W.J. (2009) Spatial and temporal modeling of beach use: a case study of East Anglia, UK. *Coastal Management*, **37**, 94-115.
- Mokrech, M., Hanson, S., Nicholls, R.J., Wolf, J., Walkden, M., Fontaine, C.M., Nicholson-Cole, S., Jude, S.R., Leake, J., Stansby, P., Watkinson, A.R., Rounsevell, M.D.A., Lowe, J.A. and Hall, J.W. (2009) The Tyndall Coastal Simulator. *Journal of Coastal Conservation*, DOI 10.1007/s11852-11009-10083-11856.
- Eglington, S. M., Gill, J. A., Bolton, M., Smart, M. A., Sutherland, W. J. & Watkinson, A. R. (2008) Restoration of wet features for breeding waders on lowland grassland. *Journal of Applied Ecology*, **45**, 305-314.
- Eglington, S. M., Gill, J. A., Smart, M. A., Sutherland, W. J., Watkinson, A. R. & Bolton, M. (2008) Habitat management and patterns of predation of Northern lapwings: the influence of linear habitat structures at different spatial scales. *Biological Conservation*, **142**, 314-324.
- Evans, E. P., Simm, J. D., Thorne, C. R., Arnell, N. W., Ashley, R. M., Hess, T. M., Lane, S. N., Morris, J., Nicholls, R. J., Penning-Rowsell, E. C., Reynard, N. S., Saul, A. J., Tapsell, S. M., Watkinson, A. R. & Wheeler, H. S. (2008) *An update of the Foresight Future Flooding 2004 qualitative risk analysis*. C. Office, London.
- Fish, M. R., Côté, I. M., Horrocks, J. R., Mulligan, B., Watkinson, A. R. & Jones, A. P. (2008) Construction setback regulations and sea-level rise: mitigating sea turtle nesting beach loss. *Ocean and Coastal Management*, **51**, 330-341.
- Freckleton, R. P., Sutherland, W. J., Watkinson, A. R. & Stephens, P. A. (2008) Modelling the effects of management on population dynamics: some lessons from annual weeds. *Journal of Applied Ecology*, **45**, 1050-1058.
- Ma, Z., Li, B., Li, W., Han, N., Chen, J. & Watkinson, A. R. (2008) Conflicts between biodiversity conservation and development in a biosphere reserve. *Journal of Applied Ecology*, doi: 10.1111/j.1365-2664.2008.01528.x.
- O'Neill, S. J., Osborn, T. J., Hulme, M., Lorenzoni, I. & Watkinson, A. R. (2008) Using expert knowledge to assess uncertainties in future polar bear populations under climate change. *Journal of Applied Ecology*, **45**, 1649-1659.

- Sutherland, W. J., Bailey, M. J., Bainbridge, I. P., Brereton, T., Dick, J. T. A., Drewitt, J., Dulvy, N. K., Dusic, N. R., Freckleton, R. P., Gaston, K. J., Gilder, P. M., Green, R. E., Heathwaite, A. L., Johnson, S. M., Macdonald, D. W., Mitchell, R., Osborn, D., Owen, R. P., Pretty, J., Prior, S. V., Prosser, H., Pullin, A. S., Rose, P., Stott, A., Tew, T., Thomas, C. D., Thompson, D. B. A., Vickery, J. A., Walker, M., Walmsley, C., Warrington, S., Watkinson, A. R., Williams, R. J., Woodroffe, R. & Woodroof, H. J. (2008) Future novel threats and opportunities facing UK biodiversity identified by horizon scanning. *Journal of Applied Ecology*, **45**, 821-833.
- Watkinson, A. R. (2008) Climate change at the coast: from global to local. *Proceedings of the Conference Nouvelles approches sur les risques côtiers, La société hydrotechnique de France, Paris*.
- Hemami, M.R., Watkinson, A.R., Gill, R.M.A. and Dolman, P.M. (2007) Estimating abundance of introduced Chinese muntjac *Muntiacus reevesi* and native roe deer *Capreolus capreolus* using portable thermal imaging equipment. *Mammal Review*, **37**, 246-254.
- Leake, J., Wolf, J., Lowe, D.J., Stansby, P., Jacoub, G., Nicholls, R., Mokrech, M., Nicholson-Cole, S., Walkden, M., Watkinson, A. and S., H. (2007) Integrated modeling for coastal impacts. *Proceedings of the 10th International Conference on Estuarine and Coastal modelling, Rhode Island, USA, November 2007*.
- Mokrech, M., Nicholls, R.J., Hanson, S., Watkinson, A., Jude, S.R., Nicholson-Cole, S., Walkden, M., Hall, J., Dawson, R., Stansby, P.K., Jacoub, G.K., Rounsvell, M., Fontaine, C., Acosta, L., Lowe, J.A., Wolf, J., Leake, J., Wright, J., Watson, G., Richards, J., Dickson, M. and Balson, P. (2007) The development of an integrated coastal simulator for supporting long term coastal management. *Proceedings of the International Conference on Coastal Management, Cardiff*, pp. 203-217.
- Nicholls, R.J., Watkinson, A., Mokrech, M., Hanson, S., Richards, J., Wright, J., Jude, S., Nicholson-Cole, S., Walkden, M., Hall, J., Dawson, R., Stansby, P., Jacoub, G. K., Rounsvell, M., Fontaine, C., Acosta, L., Lowe, J., Wolf, J., Leake, J. and Dickson, M. (2007) Integrated coastal simulation to support shoreline management planning. *Proceedings of the 42nd Flood and Coastal Management Conference, York, July 2007, DEFRA/EA*, pp. Paper 04b-02.
- Dawson, R., Hall, J., O'Connell, E., Hulme, M., Lenton, T., Watkinson, A., Nicholls, R., Stansby, P., Clare, M. & Abbas, A. (2007) A response to 'Climate stability: an inconvenient proof' by Bellamy, D. and Barrett, J. *Proceedings of the Institution of Civil Engineers: Civil Engineering*, **160**, 104-105.
- Eycott, A. E., Watkinson, A. R., Hemami, M. R. & Dolman, P. M. (2007) The dispersal of vascular plants in a forest mosaic by a guild of mammalian herbivores. *Oecologia*, **154**, 107-118.

- Hemami, M. R., Watkinson, A. R., Gill, R. M. A. & Dolman, P. M. (2007) Estimating abundance of introduced Chinese muntjac *Muntiacus reevesi* and native roe deer *Capreolus capreolus* using portable thermal imaging equipment. *Mammal Review*, **37**, 246-254.
- Jude, S. R., Jones, A. P., Watkinson, A. R., Brown, I. & Gill, J. A. (2007) The development of a visualisation methodology for integrated coastal zone management. *Coastal Management*, **35**, 525-544.
- Leake, J., Wolf, J., Lowe, D. J., Stansby, P., Jacoub, G., Nicholls, R., Mokrech, M., Nicholson-Cole, S., Walkden, M., Watkinson, A. & S., H. (2007) Integrated Modeling for Coastal Impacts. *Proceedings of the 10th International Conference on Estuarine and Coastal modelling, Rhode Island, USA, November 2007*.
- Mokrech, M., Nicholls, R. J., Hanson, S., Watkinson, A., Jude, S. R., Nicholson-Cole, S., Walkden, M., Hall, J., Dawson, R., Stansby, P. K., Jacoub, G. K., Rounsvell, M., Fontaine, C., Acosta, L., Lowe, J. A., Wolf, J., Leake, J., Wright, J., Watson, G., Richards, J., Dickson, M. & Balson, P. (2007) The Development of an Integrated Coastal Simulator for Supporting Long Term Coastal Management. *Proceedings of the International Confernece on Coastal Management, Cardiff*, pp. 203-217.
- Nicholls, R. J., Watkinson, A., Mokrech, M., Hanson, S., Richards, J., Wright, J., Jude, S., Nicholson-Cole, S., Walkden, M., Hall, J., Dawson, R., Stansby, P., Jacoub, G. K., Rounsvell, M., Fontaine, C., Acosta, L., Lowe, J., Wolf, J., Leake, J. & Dickson, M. (2007) Integrated Coastal Simulation To Support Shoreline Management Planning,. *Proceedings of the 42nd Flood and Coastal Management Conference, York, July 2007, DEFRA/EA*, pp. Paper 04b-02.
- Watkinson, A. R., Cornell, S. E. & Jordan, A. (2007) The governance of responses. *Future flooding and coastal erosion risks* (eds C. R. Thorne, E. P. Evans & E. C. Penning-Rowsell), pp. 475-487. Thomas Telford, London.
- Watkinson, A. R., Cornell, S. E. & Tinch, R. (2007) Sustainability of flood risk management responses. *Future flooding and coastal erosion risks* (eds C. R. Thorne, E. P. Evans & E. C. Penning-Rowsell), pp. 461-474. Thomas Telford, London.
- Watkinson, A. R., Evans, E. P., Hall, J. W., Penning-Rowsell, E. C. & Thorne, C. R. (2007) Strategic choices. *Future flooding and coastal erosion risks* (eds C. R. Thorne, E. P. Evans & E. C. Penning-Rowsell), pp. 491-504. Thomas Telford, London.
- Watkinson, A. R., Nicholls, R. J., Dear, D. A. & Ledoux, L. (2007) Environmental impacts of future flood risk. *Future flooding and coastal erosion risks* (eds C. R.

- Thorne, E. P. Evans & E. C. Penning-Rowsell), pp. 29-46. Thomas Telford, London.
- Côté, I. M., Gardner, T. A., Gill, J. A., Hutchinson, D. J. & Watkinson, A. R. (2006) New approaches to estimating recent ecological changes on coral reefs. *Coral reef conservation* (eds I. M. Côté & J. D. Reynolds), pp. 578-612. Cambridge University Press.
- Evans, E., Hall, J., Penning-Rowsell, E., Sayers, P., Thorne, C. & Watkinson, A. (2006) Future flood risk management in the UK. *Proceedings of the Institution of Civil Engineers-Water Management*, **159**, 53-61.
- Eycott, A. E., Watkinson, A. R. & Dolman, P. M. (2006) Ecological patterns of plant diversity in a plantation forest managed by clearfelling. *Journal of Applied Ecology*, **43**, 1160-1171.
- Eycott, A. E., Watkinson, A. R. & Dolman, P. M. (2006) The soil seedbank of a lowland conifer forest: The impacts of clear-fell management and implications for heathland restoration. *Forest Ecology and Management*, **237**, 280-289.
- Freckleton, R. P., Gill, J. A., Noble, D. & Watkinson, A. R. (2006) Large-scale population dynamics, abundance-occupancy relationships and the scaling from local to regional population size (vol 74, pg 353, 2005). *Journal of Animal Ecology*, **75**, 314-314.
- Freckleton, R. P., Watkinson, A. R., Green, R. E. & Sutherland, W. J. (2006) Census error and the detection of density dependence. *Journal of Animal Ecology*, **75**, 837-851.
- Gill, J. A., Watkinson, A. R., McWilliams, J. P. & Cote, I. M. (2006) Opposing forces of aerosol cooling and El Nino drive coral bleaching on Caribbean reefs. *Proceedings of the National Academy of Sciences of the United States of America*, **103**, 18870-18873.
- Gunnarsson, T. G., Gill, J. A., Appleton, G. F., Gislason, H., Gardarsson, A., Watkinson, A. R. & Sutherland, W. J. (2006) Large-scale habitat associations of birds in lowland Iceland: Implications for conservation. *Biological Conservation*, **128**, 265-275.
- Smart, J., Gill, J. A., Sutherland, W. J. & Watkinson, A. R. (2006) Grassland-breeding waders: identifying key habitat requirements for management. *Journal of Applied Ecology*, **43**, 454-463.
- Sutherland, W. J., Armstrong-Brown, S., Armsworth, P. R., Brereton, T., Brickland, J., Campbell, C. D., Chamberlain, D. E., Cooke, A. I., Dulvy, N. K., Dusic, N. R., Fitton, M., Freckleton, R. P., Godfray, C. H., Grout, N., Harvey, H. J., Hedley, C.,

- Hopkins, J. J., Kift, N. B., Kirby, J., Kunin, W. E., MacDonald, D. W., Marker, B., Naura, M., Neale, A. R., Oliver, T., Osborn, D., Pullin, A. S., Shardlow, M. E. A., Showler, D. A., Smith, P. L., Smithers, R. J., Solandt, J.-L., Spencer, J., Thomas, C. D., Thompson, J., Webb, S. E., Yalden, D. W. & Watkinson, A. R. (2006) The identification of 100 ecological questions of high policy relevance in the UK. *Journal of Applied Ecology*, **43**, 617-627.
- Carpenter, A. I., Robson, O., Rowcliffe, J. M. & Watkinson, A. R. (2005) The impacts of international and national governance changes on a traded resource: a case study of Madagascar and its chameleon trade. *Biological Conservation*, **123**, 279-287.
- Côté, I. M., Gill, J. A., Gardner, T. A. & Watkinson, A. R. (2005) Measuring coral reef decline through meta-analyses. *Philosophical Transactions of the Royal Society B-Biological Sciences*, **360**, 385-395.
- Fish, M. R., Côté, I. M., Gill, J. A., Jones, A. P., Renshoff, S. & Watkinson, A. R. (2005) Predicting the impact of sea-level rise on Caribbean sea turtle nesting habitat. *Conservation Biology*, **19**, 482-491.
- Freckleton, R. P., Gill, J. A., Noble, D. & Watkinson, A. R. (2005) Large-scale population dynamics, abundance-occupancy relationships and the scaling from local to regional population size. *Journal of Animal Ecology*, **74**, 353-364.
- Gardner, T. A., Côté, I. M., Gill, J. A., Grant, A. & Watkinson, A. R. (2005) Hurricanes and Caribbean coral reefs: Impacts, recovery patterns, and role in long-term decline. *Ecology*, **86**, 174-184.
- Hall, J. W., Dawson, R. J., Walkden, M., Dickson, M., Stansby, P. K., Zhou, J. L., Brown, I., Nicholls, R. J. & Watkinson, A. (2005) Broad-scale analysis of morphological and climate impacts on coastal flood risk. *Proceedings of the International Conference on Coastal Dynamics, 4-8th April; Barcelona, Spain, American Society of Civil Engineers (ASCE)*.
- Hemami, M. R., Watkinson, A. R. & Dolman, P. M. (2005) Population densities and habitat associations of introduced muntjac *Muntiacus reevesi* and native roe deer *Capreolus capreolus* in a lowland pine forest. *Forest Ecology and Management*, **215**, 224-238.
- Jude, S., Brown, I., Koukoulas, S., Dickson, M., Walkden, M., Jones, A. & Watkinson, A. (2005) Exploring Future Coastlines . Initial Steps Towards the Development of an Integrated Coastal Simulation and Visualisation System. *Trends in Real-Time Landscape Visualization and Participation* (eds E. Buhmann, P. Paar, I. J. Bishop & E. Lange), pp. 69-76. Herbert Wichmann Verlag, Heidelberg.

- McWilliams, J. P., Côté, I. M., Gill, J. A., Sutherland, W. J. & Watkinson, A. R. (2005) Accelerating impacts of temperature-induced coral bleaching in the Caribbean. *Ecology*, **86**, 2055-2060.
- Norton, L. R., Firbank, L. G., Scott, A. & Watkinson, A. R. (2005) Characterising spatial and temporal variation in the finite rate of population increase across the northern range boundary of the annual grass *Vulpia fasciculata*. *Oecologia*, **144**, 407-415.
- Uyarra, M. C., Côté, I. M., Gill, J. A., Tinch, R. R. T., Viner, D. & Watkinson, A. R. (2005) Island-specific preferences of tourists for environmental features: Implications of climate change for tourism-dependent states. *Environmental Conservation*, **32**, 11-19.
- Watkinson, A. R., Li, B. & Chen, J. (2005) Skills for ecologists. *Challenges facing ecology: issues and solutions (in Chinese)* (eds J.-K. Chen, B. Li, Z. Ma & B. Zhao). Higher Education Press, Beijing, China.
- Carpenter, A. I., Rowcliffe, J. M. & Watkinson, A. R. (2004) The dynamics of the global trade in chameleons. *Biological Conservation*, **120**, 291-301.
- Evans, E., Ashley, R., Hall, J., Penning-Rowsell, E., Saul, A., Sayers, P., Thorne, C. & Watkinson, A. (2004) *Foresight, Future Flooding. Scientific Summary: Volume I - Future risks and their drivers*. Office of Science and Technology, London.
- Evans, E., Ashley, R., Hall, J., Penning-Rowsell, E., Sayers, P., Thorne, C. & Watkinson, A. (2004) *Foresight, Future Flooding. Scientific Summary: Volume II - Managing future risks*. Office of Science and Technology, London.
- Evans, E. P., Watkinson, A. R. & Penning-Rowsell, E. C. (2004) The Foresight flood and coastal defence project - responses and choices for future flood risk management. *39th Defra Flood and Coastal Management Conference*, pp. 11.14.11-11.14.18. Defra, London.
- Freckleton, R. P., Stephens, P. A., Sutherland, W. J. & Watkinson, A. R. (2004) Amelioration of biodiversity impacts of genetically modified crops: predicting transient versus long-term effects. *Proceedings of the Royal Society of London Series B-Biological Sciences*, **271**, 325-331.
- Freckleton, R. P., Sutherland, W. J. & Watkinson, A. R. (2004) The future of GM crops - Response. *Science*, **304**, 960-961.
- Hemami, M. R., Watkinson, A. R. & Dolman, P. M. (2004) Habitat selection by sympatric muntjac (*Muntiacus reevesi*) and roe deer (*Capreolus capreolus*) in a lowland commercial pine forest. *Forest Ecology and Management*, **194**, 49-60.

- Smart, J., Sutherland, W. J., Watkinson, A. R. & Gill, J. A. (2004) A new means of presenting the results of logistic regression. *The Bulletin of the Ecological Society of America*, **85**, 100-102.
- Stokes, K. E., Allchin, A. E., Bullock, J. M. & Watkinson, A. R. (2004) Population responses of *Ulex* shrubs to fire in a lowland heath community. *Journal of Vegetation Science*, **15**, 505-514.
- Stokes, K. E., Bullock, J. M. & Watkinson, A. R. (2004) Population dynamics across a parapatric range boundary: *Ulex gallii* and *Ulex minor*. *Journal of Ecology*, **92**, 142-155.
- Trivedi, M. R., Cornejo, F. H. & Watkinson, A. R. (2004) Seed predation on Brazil nuts (*Bertholletia excelsa*) by macaws (Psittacidae) in Madre de Dios, Peru. *Biotropica*, **36**, 118-122.
- Watkinson, A. R., Gill, J. A. & Hulme, M. (2004) Flying in the face of climate change: a review of climate change, past, present and future. *Ibis*, **146**, 4-10.
- Dockerty, T., Lovett, A. & Watkinson, A. (2003) Climate change and nature reserves: examining the potential impacts, with examples from Great Britain. *Global Environmental Change-Human and Policy Dimensions*, **13**, 125-135.
- Freckleton, R. P., Matos, D. M. S., Bovi, M. L. A. & Watkinson, A. R. (2003) Predicting the impacts of harvesting using structured population models: the importance of density-dependence and timing of harvest for a tropical palm tree. *Journal of Applied Ecology*, **40**, 846-858.
- Freckleton, R. P., Sutherland, W. J. & Watkinson, A. R. (2003) Deciding the future of GM crops in Europe. *Science*, **302**, 994-996.
- Freckleton, R. P. & Watkinson, A. R. (2003) Are all plant populations metapopulations? *Journal of Ecology*, **91**, 321-324.
- Gardner, T. A., Côté, I. M., Gill, J. A., Grant, A. & Watkinson, A. R. (2003) Coral reef decline in the Caribbean - Response. *Science*, **302**, 392-393.
- Gardner, T. A., Côté, I. M., Gill, J. A., Grant, A. & Watkinson, A. R. (2003) Long-term region-wide declines in Caribbean corals. *Science*, **301**, 958-960.
- Green, R. E., Harley, M., Miles, L., Scharlemann, J., Watkinson, A. & Watts, O. (2003) *Global climate change and biodiversity*. WCMC, Cambridge. http://www.unep-wcmc.org/information_services/publications/GCCB2003.pdf.

- Park, S. E., Benjamin, L. R. & Watkinson, A. R. (2003) The theory and application of plant competition models: an agronomic perspective. *Annals of Botany*, **92**, 741-748.
- Peres, C. A., Baider, C., Zuidema, P. A., Wadt, L. H. O., Kainer, K. A., Gomes-Silva, D. A. P., Salomao, R. P., Simoes, L. L., Franciosi, E. R. N., Valverde, F. C., Gribel, R., Shepard, G. H., Kanashiro, M., Coventry, P., Yu, D. W., Watkinson, A. R. & Freckleton, R. P. (2003) Demographic threats to the sustainability of Brazil nut exploitation. *Science*, **302**, 2112-2114.
- Stephens, P. A., Freckleton, R. P., Watkinson, A. R. & Sutherland, W. J. (2003) Predicting the response of farmland bird populations to changing food supplies. *Journal of Applied Ecology*, **40**, 970-983.
- Stokes, K. E., Bullock, J. M. & Watkinson, A. R. (2003) Biological Flora of the British Isles: *Ulex gallii* Planch. and *Ulex minor* Roth. *Journal of Ecology*, **91**, 1106-1124.
- Watkinson, A. R., Gill, J. A. & Freckleton, R. P. (2003) Macroecology and microecology: linking large-scale patterns of abundance to population processes. *Macroecology: concepts and consequences* (eds T. M. Blackburn & K. J. Gaston), pp. 256-273. Blackwell, Oxford.
- Freckleton, R. P. & Watkinson, A. R. (2002) Are weed population dynamics chaotic? *Journal of Applied Ecology*, **39**, 699-707.
- Freckleton, R. P. & Watkinson, A. R. (2002) Large-scale spatial dynamics of plants: metapopulations, regional ensembles and patchy populations. *Journal of Ecology*, **90**, 419-434.
- Gill, J., O'Riordan, T. & Watkinson, A. (2002) *Redesigning the Coast*. CSERGE, Norwich.
- Park, S. E., Benjamin, L. R. & Watkinson, A. R. (2002) Comparing biological productivity in cropping systems: a competition approach. *Journal of Applied Ecology*, **39**, 416-426.
- Perrings, C., Williamson, M., Barbier, E. B., Delfino, D., Dalmazzone, S., Shogren, J., Simmons, P. & Watkinson, A. (2002) Biological invasion risks and the public good: an economic perspective. *Conservation Ecology*, **6**, ISI:000177892600008.
- Watkinson, A. R. & Gill, J. A. (2002) Climate change and dispersal. *Dispersal Ecology* (eds J. M. Bullock, R. E. Kenward & R. S. Hails), pp. 410-428. Blackwell Science, Oxford.

- Freckleton, R. P. & Watkinson, A. R. (2001) Asymmetric competition between plant species. *Functional Ecology*, **15**, 615-623.
- Freckleton, R. P. & Watkinson, A. R. (2001) Non-manipulative determination of plant community dynamics. *Trends in Ecology & Evolution*, **16**, 301-307.
- Freckleton, R. P. & Watkinson, A. R. (2001) Predicting competition coefficients for plant mixtures: reciprocity, transitivity and correlations with life-history traits. *Ecology Letters*, **4**, 348-357.
- Park, S. E., Benjamin, L. R., Aikman, D. P. & Watkinson, A. R. (2001) Predicting the growth interactions between plants in mixed species stands using a simple mechanistic model. *Annals of Botany*, **87**, 523-536.
- Roques, K. G., O'Connor, T. G. & Watkinson, A. R. (2001) Dynamics of shrub encroachment in an African savanna: relative influences of fire, herbivory, rainfall and density dependence. *Journal of Applied Ecology*, **38**, 268-280.
- Rowcliffe, J. M., Watkinson, A. R., Sutherland, W. J. & Vickery, J. A. (2001) The depletion of algal beds by geese: a predictive model and test. *Oecologia*, **127**, 361-371.
- Sutherland, W. J. & Watkinson, A. R. (2001) Policy making within ecological uncertainty: lessons from badgers and GM crops. *Trends in Ecology & Evolution*, **16**, 261-263.
- Watkinson, A. R. & Freckleton, R. P. (2001) Climate change and weed population dynamics. *Proceedings of the Brighton Crop protection Conference - Weeds*, pp. 83-90. British Crop Protection Council.
- Watkinson, A. R. & Ormerod, S. J. (2001) Grasslands, grazing and biodiversity: editors' introduction. *Journal of Applied Ecology*, **38**, 233-237.
- Watkinson, A. R., Riding, A. E. & Cowie, N. R. (2001) A community and population perspective of the possible role of grazing in determining the ground flora of ancient woodlands. *Forestry*, **74**, 231-239.
- Freckleton, R. P. & Watkinson, A. R. (2000) Designs for greenhouse studies of interactions between plants: an analytical perspective. *Journal of Ecology*, **88**, 386-391.
- Freckleton, R. P. & Watkinson, A. R. (2000) On detecting and measuring competition in spatially structured plant communities. *Ecology Letters*, **3**, 423-432.
- Freckleton, R. P., Watkinson, A. R., Dowling, P. M. & Leys, A. R. (2000) Determinants of the abundance of invasive annual weeds: community structure and non-

- equilibrium dynamics. *Proceedings of the Royal Society of London Series B-Biological Sciences*, **267**, 1153-1161.
- Li, B. & Watkinson, A. R. (2000) Competition along a nutrient gradient: A case study with *Daucus carota* and *Chenopodium album*. *Ecological Research*, **15**, 293-306.
- Ormerod, S. J. & Watkinson, A. R. (2000) The age of applied ecology. *Journal of Applied Ecology*, **37**, 1-2.
- Ormerod, S. J. & Watkinson, A. R. (2000) Birds and agriculture - Editor's introduction. *Journal of Applied Ecology*, **37**, 699-705.
- Ormerod, S. J. & Watkinson, A. R. (2000) Large-scale ecology and hydrology: an introductory perspective from the editors of the Journal of Applied Ecology. *Journal of Applied Ecology*, **37**, 1-5.
- Peet, N. B., Bell, D. J. & Watkinson, A. R. (2000) Managing the Terai grasslands in Nepal: recent research and future priorities. *Grassland Ecology and Management in Protected Areas of Nepal, Vol. 2* (eds C. Richard, K. Basnet, J. P. Sah & Y. Raut), pp. 30-36. International Centre for Integrated Mountain Development, Kathmandu, Nepal.
- Watkinson, A., Freckleton, R. P. & Dowling, P. M. (2000) Wheat, sheep and invasive annuals in Australia. *The economics of biological invasions* (eds C. Perrings, M. Williamson & S. Dalmazzone), pp. 94-114. Edward Elgar, Cheltenham, UK.
- Watkinson, A. R., Freckleton, R. P. & Forrester, L. (2000) Population dynamics of *Vulpia ciliata*: regional, patch and local dynamics. *Journal of Ecology*, **88**, 1012-1029.
- Watkinson, A. R., Freckleton, R. P., Robinson, R. A. & Sutherland, W. J. (2000) Predictions of biodiversity response to genetically modified herbicide-tolerant crops. *Science*, **289**, 1554-1557.