

Envision publications - April 2023

- Algar, A. & Tarr, S. (2018) Fossils, phylogenies and the evolving climate niche. *Nature Ecology & Evolution*, 2(3), 414-415.
- Amos, M., Young, P. J., Hosking, J. S., Lamarque, J. F., Abraham, N. L., Akiyoshi, H., Archibald, A. T., Bekki, S., Deushi, M., Jockel, P., Kinnison, D., Kirner, O., Kunze, M., Marchand, M., Plummer, D. A., Saint-Martin, D., Sudo, K., Tilmes, S. & Yamashita, Y. (2020) Projecting ozone hole recovery using an ensemble of chemistry-climate models weighted by model performance and independence. *Atmospheric Chemistry and Physics*, 20(16), 9961-9977.
- Arnott, D., Chadwick, D., Harris, I., Koj, A. & Jones, D. L. (2019) What can management option uptake tell us about ecosystem services delivery through agri-environment schemes? *Land use policy*, 81, 194-208.
- Arnott, D., Chadwick, D. R., Wynne-Jones, S., Dandy, N. & Jones, D. L. (2021a) Importance of building bridging and linking social capital in adapting to changes in UK agricultural policy. *Journal of rural studies*, 83, 1-10.
- Arnott, D., Chadwick, D. R., Wynne-Jones, S. & Jones, D. L. (2021b) Vulnerability of British farms to post-Brexit subsidy removal, and implications for intensification, extensification and land sparing. *Land use policy*, 107, 104154.
- Baines, O., Wilkes, P. & Disney, M. (2020) Quantifying urban forest structure with open-access remote sensing data sets. *Urban Forestry & Urban Greening*, 50, 13.
- Billings, A., Carter, H., Cross, R. K., Jones, K. C., Pereira, M. G. & Spurgeon, D. J. (2023a) Co-occurrence of macroplastics, microplastics, and legacy and emerging plasticisers in UK soils. *Sci Total Environ*, 163258.
- Billings, A., Carter, H., Cross, R. K., Jones, K. C., Pereira, M. G. & Spurgeon, D. J. (2023b) Co-occurrence of macroplastics, microplastics, and legacy and emerging plasticisers in UK soils. *Sci Total Environ*, 163258.
- Billings, A., Jones, K., Pereira, M. & Spurgeon, D. (2021a) Plasticisers in the terrestrial environment: sources, occurrence and fate. *Environmental Chemistry*, 18(3), 111-130.
- Billings, A., Jones, K. C., Pereira, M. G. & Spurgeon, D. J. (2021b) Plasticisers in the terrestrial environment: sources, occurrence and fate. *Environmental Chemistry*, -.
- Blanchy, G., Saneiyani, S., Boyd, J., Mclachlan, P. & Binley, A. (2020) ResIPy, an intuitive open source software for complex geoelectrical inversion/modeling. *Computers & Geosciences*, 137.
- Blaydes, H., Potts, S. G., Whyatt, J. D. & Armstrong, A. (2021) Opportunities to enhance pollinator biodiversity in solar parks. *Renewable & sustainable energy reviews*, 145.
- Blaydes, H., Potts, S.G, Whyatt, J.D & A, A. (2021) Opportunities to enhance pollinator biodiversity in solar parks. *Renewable and Sustainable Energy Reviews*, 145, 111065.

- Blockley, S., Candy, I., Matthews, I., Langdon, P., Langdon, C., Palmer, A., Lincoln, P., Abrook, A., Taylor, B., Conneller, C., Bayliss, A., Macleod, A., Deepprose, L., Darvill, C., Kearney, R., Beavan, N., Staff, R., Bamforth, M., Taylor, M. & Milner, N. (2018) The resilience of postglacial hunter-gatherers to abrupt climate change. *Nature Ecology & Evolution*, 1.
- Blumgart, D., Dolhem, J. & Raxworthy, C. J. (2017) Herpetological diversity across intact and modified habitats of Nosy Komba Island, Madagascar. *Journal of Natural History*, 51(11-12), 625-642.
- Bowling, J. S., Livingstone, S. J., Sole, A. J. & Chu, W. (2019) Distribution and dynamics of Greenland subglacial lakes. *Nature Communications*, 10, 11.
- Brennan, G. L., Potter, C., De Vere, N., Griffith, G. W., Skjoth, C. A., Osborne, N. J., Wheeler, B. W., McInness, R. N., Clewlow, Y., Barber, A., Hanion, H. M., Hegarty, M., Jones, L., Kurganskiy, A., Rowney, F. M., Armitage, C., Adams-Groom, B., Ford, C. R., Petch, G. M., Creer, S., Elliot, A., Frisk, C. A., Neilson, R., Potter, S., Rafiq, A. M., Roy, D. B., Selby, K., Steinberg, N. & Poller, G. E. N. C. (2019) Temperate airborne grass pollen defined by spatio-temporal shifts in community composition. *Nature Ecology & Evolution*, 3(5), 750-754.
- Brewster, C., Hayes, F. & Fenner, N. (2019) Ozone Tolerance Found in *Aegilops tauschii* and Primary Synthetic Hexaploid Wheat. *Plants-Basel*, 8(7), 12.
- Brown, C., Boyd, D., Sjögersten, S., Clewley, D., Evers, S. & P, A. (2018) Tropical Peatland Vegetation Structure and Biomass: Optimal Exploitation of Airborne Laser Scanning. *Remote Sensing*, 10(5), 671.
- Cagle, A., Armstrong, A., Exley, G., Grodsky, S., Macknick, J., Sherwin, J. & Hernandez, R. (2020) The Land Sparing, Water Surface Use Efficiency, and Water Surface Transformation of Floating Photovoltaic Solar Energy Installations. *Sustainability*, 12(19).
- Candy, I., Farry, A., Darvill, C. M., Palmer, A., Blockley, S. P. E., Matthews, I. P., Macleod, A., Deepprose, L., Farley, N., Kearney, R., Conneller, C., Taylor, B. & Milner, N. (2015) The evolution of Palaeolake Flixton and the environmental context of Star Carr: an oxygen and carbon isotopic record of environmental change for the early Holocene. *Proceedings of the Geologists Association*, 126(1), 60-71.
- Chandler, C., Van Der Heijden, G., Boyd, D., Cutler, M., Costa, H., Nilus, R. & Foody, G. (2021a) Remote sensing liana infestation in an aseasonal tropical forest: addressing mismatch in spatial units of analyses. *Remote Sensing in Ecology and Conservation*.
- Chandler, C., Van Der Heijden, G., Boyd, D. & Foody, G. (2021b) Detection of Spatial and Temporal Patterns of Liana Infestation Using Satellite-Derived Imagery. *Remote Sensing*, 13(14).
- Cooper, H. V., Vane, C. H., Evers, S., Aplin, P., Girkin, N. T. & Sjögersten, S. (2019) From peat swamp forest to oil palm plantations: The stability of tropical peatland carbon. *Geoderma*, 342, 109-117.
- Cutts, V., Hanz, D. M., Barajas-Barbosa, M. P., Algar, A. C., Steinbauer, M. J., Irl, S. D. H., Kreft, H., Weigelt, P., Fernandez Palacios, J. M. & Field, R. (2021) Scientific

floras can be reliable sources for some trait data in a system with poor coverage in global trait databases. *Journal of Vegetation Science*, 32(3), e12996.

- Cutts, V., Hanz, D. M., Barajas-Barbosa, M. P., Schrodtr, F., Steinbauer, M. J., Beierkuhnlein, C., Denelle, P., Fernández-Palacios, J. M., Gaüzère, P., Grenié, M., Irl, S. D. H., Kraft, N., Kreft, H., Maitner, B., Munoz, F., Thuiller, W., Violle, C., Weigelt, P., Field, R. & Algar, A. C. (2023) Links to rare climates do not translate into distinct traits for island endemics. *Ecol Lett*.
- Dajka, J.-C., Woodhead, A., Norström, A., Graham, N., Riechers, M. & Nyström, M. (2020) Red and green loops help uncover missing feedbacks in a coral reef social-ecological system. *People and Nature*, 608-618.
- Davies, T. W., Bennie, J., Cruse, D., Blumgart, D., Inger, R. & Gaston, K. J. (2017) Multiple night-time light-emitting diode lighting strategies impact grassland invertebrate assemblages. *Global Change Biology*, 23(7), 2641-2648.
- Dean, L. L., Robertson, S., Mahmud, M. & Maccoll, A. D. C. (2019) Internal embryonic development in a non-copulatory, egg-laying teleost, the three-spined stickleback, *Gasterosteus aculeatus*. *Scientific Reports*, 9(1), <xocs:firstpage xmlns:xocs=""/>.
- Dhandapani, S., Girkin, N. T., Evers, S., Ritz, K. & Sjogersten, S. (2020) Is Intercropping an Environmentally-Wise Alternative to Established Oil Palm Monoculture in Tropical Peatlands? *Frontiers in Forests and Global Change*, 3, 8.
- Dias, G., Vieira, E., Pestana, L., Marques, A., Karythis, S., Jenkins, S. & Griffith, K. (2020) Calcareous defence structures of prey mediate the effects of predation and biotic resistance towards the tropics. *Diversity and Distributions*, 26(9), 1198-1210.
- Donaldson, L., Woodhead, A., Wilson, R. & Maclean, I. (2016) Subsistence use of papyrus is compatible with wetland bird conservation. *Biological Conservation*, 201, 414-422.
- Donkersley, P., Robinson, S., Deutsch, E., Gibbons, A., Antwis, R., Harrison, X. & Cox, M. (2020) Microbial symbioses and host nutrition. *Microbiomes of Soils, Plants and Animals: an Integrated Approach*, 78-97.
- Du Plessis, S., Howard-Mccombe, J., Melvin, Z., Sheppard, E., Russo, I.-R., Mootoocurpen, R., Goetz, M., Young, R., Cole, N. & Bruford, M. (2019) Genetic diversity and cryptic population re-establishment: management implications for the Bojer's skink (*Gongylomorphus bojerii*). *Conservation Genetics*, 20(2), 137-152.
- Duan, J., Ward, W. O. C., Sibbett, L., Pan, Z. & Bai, L. (2017) Introducing diffusion tensor to high order variational model for image reconstruction. *Digital Signal Processing*, 69, 323-336.
- Exley, G., Armstrong, A., Page, T. & Jones, I. (2021) Floating photovoltaics could mitigate climate change impacts on water body temperature and stratification. *Solar Energy*, 219, 24-33.
- Fenton, I. S., Baranowski, U., Boscolo-Galazzo, F. B., Cheales, H., Fox, L., King, D. J., Larkin, C., Latas, M., Liebrand, D., Miller, C. G., Nilsson-Kerr, K. N., Piga, E., Pugh, H., Rimmelzwaal, S., Roseby, Z. A., Smith, Y. M., Stukins, S., Taylor, B.,

- Woodhouse, A., Worne, S., Pearson, P. N., Poole, C. R., Wade, B. S. & Purvis, A. (2018) Factors affecting consistency and accuracy in identifying modern macroperforate planktonic foraminifera. *Journal of Micropalaeontology*, 37(2), 431-443.
- Ford, H., Jones, N., Davies, A., Godley, B., Jambeck, J., Napper, I., Suckling, C., Williams, G., Woodall, L. & Koldewey, H. (2022) The fundamental links between climate change and marine plastic pollution. *Science of the Total Environment*, 806.
- Ford, H. V., Gove, J. M., Davies, A. J., Graham, N. A. J., Healey, J. R., Conklin, E. J. & Williams, G. J. (2021) Spatial scaling properties of coral reef benthic communities. *Ecography*, 44(2), 188-198.
- Forster, E. J., Healey, J. R., Dymond, C. & Styles, D. (2021) Commercial afforestation can deliver effective climate change mitigation under multiple decarbonisation pathways. *Nature Communications*, 12(1), 3831.
- Forster, E. J., Healey, J. R., Dymond, C. C., Newman, G., Davies, G. & Styles, D. (2019) *Linking construction timber carbon storage with land use and forestry management practices*. Sustainable Built Environment D-A-CH Conference (SBE). Graz Univ Technol, Graz, AUSTRIA, Sep 11-14 2019. BRISTOL: Iop Publishing Ltd.
- Gargiulo, R., Saubin, M., Rizzuto, G., West, B., Fay, M. F., Kallow, S. & Trivedi, C. (2019) Genetic diversity in British populations of *Taxus baccata* L.: Is the seedbank collection representative of the genetic variation in the wild? *Biological Conservation*, 233, 289-297.
- Garnett, J., Halsall, C., Thomas, M., Crabeck, O., France, J., Joerss, H., Ebinghaus, R., Kaiser, J., Leeson, A. & Wynn, P. (2021) Investigating the Uptake and Fate of Poly- and Perfluoroalkylated Substances (PFAS) in Sea Ice Using an Experimental Sea Ice Chamber. *Environmental Science & Technology*, 55(14), 9601-9608.
- Garnett, J., Halsall, C., Thomas, M., France, J., Kaiser, J., Graf, C., Leeson, A. & Wynn, P. (2019) Mechanistic Insight into the Uptake and Fate of Persistent Organic Pollutants in Sea Ice. *Environmental Science & Technology*, 53(12), 6757-6764.
- Girkin, N., Dhandapani, S., Evers, S., Ostle, N., Turner, B. & Sjögersten, S. (2020a) Interactions between labile carbon, temperature and land use regulate carbon dioxide and methane production in tropical peat. *Biogeochemistry*, 147(1), 87-97.
- Girkin, N., Dos Santos, R., Vane, C., Ostle, N., Turner, B. & Sjögersten, S. (2020b) Peat Properties, Dominant Vegetation Type and Microbial Community Structure in a Tropical Peatland. *Wetlands*, 40(5), 1367-1377.
- Girkin, N., Turner, B., Ostle, N., Craigan, J. & Sjögersten, S. (2018a) Root exudate analogues accelerate CO₂ and CH₄ production in tropical peat. *Soil Biology & Biochemistry*, 117, 48-55.
- Girkin, N., Vane, C., Turner, B., Ostle, N. & Sjögersten, S. (2017) Plant regulation of greenhouse gas emissions and carbon lability in a Neotropical peatland. *EGU General Assembly Conference Abstracts*, 19, 9007.
- Girkin, N., Vane, C., Turner, B., Ostle, N. & Sjögersten, S. (2020c) Root oxygen mitigates methane fluxes in tropical peatlands. *Environmental Research Letters*, 15(6).

- Girkin, N. T., Turner, B. L., Ostle, N. & Sjogersten, S. (2018b) Composition and concentration of root exudate analogues regulate greenhouse gas fluxes from tropical peat. *Soil Biology & Biochemistry*, 127, 280-285.
- Girkin, N. T., Turner, B. L., Ostle, N. & Sjogersten, S. (2018c) Root-derived CO₂ flux from a tropical peatland. *Wetlands Ecology and Management*, 26(5), 985-991.
- Girkin, N. T., Vane, C. H., Cooper, H. V., Moss-Hayes, V., Craigon, J., Turner, B. L., Ostle, N. & Sjogersten, S. (2019) Spatial variability of organic matter properties determines methane fluxes in a tropical forested peatland. *Biogeochemistry*, 142(2), 231-245.
- Gray, E., Elliott, J. A., Mackay, E. B., Folkard, A. M., Keenan, P. O. & Jones, I. D. (2019) Modelling lake cyanobacterial blooms: Disentangling the climate-driven impacts of changing mixed depth and water temperature. *Freshwater Biology*, 64(12), 2141-2155.
- Gray, E., Mackay, E. B., Elliott, J. A., Folkard, A. M. & Jones, I. D. (2020) Wide-spread inconsistency in estimation of lake mixed depth impacts interpretation of limnological processes. *Water research*, 168, 115136.
- Gunn, R., Hartley, I., Algar, A., Niemela, P. & Keith, S. (2021) Understanding behavioural responses to human-induced rapid environmental change: a meta-analysis. *Oikos*.
- Hadj-Hammou, J., Loiselle, S., Ophof, D. & Thornhill, I. (2017) Getting the full picture: Assessing the complementarity of citizen science and agency monitoring data. *PLoS ONE*, 12(12).
- Hadj-Hammou, J., Mouillot, D. & Graham, N. A. J. (2021) Response and Effect Traits of Coral Reef Fish. *Frontiers in Marine Science*, 8.
- Hewitt, S., Foster, D., Dyer, P. & Avery, S. (2016) Phenotypic heterogeneity in fungi: Importance and methodology. *Fungal Biology Reviews*, 30(4), 176-184.
- Hicks, J., Belabut, D. & Algar, A. (2017) Plantations Induce Ecological Niche Shifts in a Tropical Lizard. *Integrative and Comparative Biology*, 57, E291-E291.
- Holmes, J., Chambers, J., Meldrum, P., Wilkinson, P., Boyd, J., Williamson, P., Huntley, D., Sattler, K., Elwood, D., Sivakumar, V., Reeves, H. & Donohue, S. (2020) Four-dimensional electrical resistivity tomography for continuous, near-real-time monitoring of a landslide affecting transport infrastructure in British Columbia, Canada. *Near Surface Geophysics*, 18(4), 337-351.
- Hosegood, J., Humble, E., Ogden, R., De Bruyn, M., Creer, S., Stevens, G., Abudaya, M., Bassos-Hull, K., Bonfil, R., Fernando, D., Foote, A., Hipperson, H., Jabado, R., Kaden, J., Moazzam, M., Peel, L., Pollett, S., Ponzio, A., Poortvliet, M., Salah, J., Senn, H., Stewart, J., Wintner, S. & Carvalho, G. (2020) Phylogenomics and species delimitation for effective conservation of manta and devil rays. *Molecular Ecology*.
- Hunt, L., Nankabirwa, A., Driessen, T., Mills, K., Lejju, J. B., Ryves, D. & Jones, M. D. (2021) The future of tropical water resources: using palaeolimnology to inform sustainable management.
- Jones, B., Goodall, T., George, P., Gweon, H., Puissant, J., Read, D., Emmett, B., Robinson, D., Jones, D. & Griffiths, R. (2021) Beyond Taxonomic Identification:

Integration of Ecological Responses to a Soil Bacterial 16S rRNA Gene Database. *Frontiers in Microbiology*, 12.

- Jones, M. D., Abu-Jaber, N., Alshdaifat, A., Baird, D., Cook, B. I., Cuthbert, M. O., Dean, J. R., Djamali, M., Eastwood, W., Fleitmann, D., Haywood, A., Kwiecien, O., Larsen, J., Maher, L. A., Metcalfe, S. E., Parker, A., Petrie, C. A., Primmer, N., Richter, T., Roberts, N., Roe, J., Tindall, J. C., Unal-Imer, E. & Weeks, L. (2019) 20,000 years of societal vulnerability and adaptation to climate change in southwest Asia. *Wiley Interdisciplinary Reviews-Water*, 6(2), 31.
- Karythis, S., Cornwell, T. O., Noya, L. G., Mccarthy, I. D., Whiteley, N. M. & Jenkins, S. R. (2020) Prey vulnerability and predation pressure shape predator-induced changes in O-2 consumption and antipredator behaviour. *Animal Behaviour*, 167, 13-22.
- Kender, S., Ravelo, A. C., Worne, S., Swann, G. E. A., Leng, M. J., Asahi, H., Becker, J., Detlef, H., Aiello, I. W., Andreasen, D. & Hall, I. R. (2018) Closure of the Bering Strait caused Mid-Pleistocene Transition cooling. *Nature Communications*, 9, 11.
- Kerdraon, D., Drewer, J., Castro, B., Wallwork, A., Hall, J. S. & Sayer, E. J. (2019) Litter Traits of Native and Non-Native Tropical Trees Influence Soil Carbon Dynamics in Timber Plantations in Panama. *Forests*, 10(3), 17.
- Kerdraon, D., Drewer, J., Chung, A., Majalap, N., Slade, E., Brechet, L., Wallwork, A., Castro-Trujillo, B. & Sayer, E. (2020) Litter Inputs, but Not Litter Diversity, Maintain Soil Processes in Degraded Tropical Forests-A Cross-Continental Comparison. *Frontiers in Forests and Global Change*, 2.
- Livingstone, S. J., Sole, A. J., Storrar, R. D., Harrison, D., Ross, N. & Bowling, J. (2019) Brief communication: Subglacial lake drainage beneath Isunguata Sermia, West Greenland: geomorphic and ice dynamic effects. *The Cryosphere*, 13(10), 2789.
- Lockhart, E. A., Scourse, J. D., Praeg, D., Van Landeghem, K. J. J., Mellett, C., Saher, M., Callard, L., Chiverrell, R. C., Benetti, S., Cofaigh, C. O. & Clark, C. D. (2018) A stratigraphic investigation of the Celtic Sea megaridges based on seismic and core data from the Irish-UK sectors. *Quaternary Science Reviews*, 198, 156-170.
- Long, S., Jones, P., Randriana, Z. & Hadj-Hammou, J. (2017) Governance analysis of a community managed small-scale crab fishery in Madagascar: novel use of an empirical framework. *Marine Policy*.
- Magnall, N., James, M., Tuffen, H. & Vye-Brown, C. (2016) Similarities in basalt and rhyolite lava flow emplacement processes. *EGU General Assembly Conference Abstracts*, 18.
- Magnall, N., James, M., Tuffen, H. & Vye-Brown, C. (2017) Emplacing a Cooling-Limited Rhyolite Lava Flow: Similarities with Basaltic Lava Flows. *Frontiers in Earth Science*, 5.
- Magnall, N., James, M. R., Tuffen, H., Vye-Brown, C., Schipper, C. I., Castro, J. M. & Davies, A. G. (2019) The origin and evolution of breakouts in a cooling-limited rhyolite lava flow. *Geological Society of America Bulletin*, 131(1-2), 137-154.
- Magnall, N., Thomas, A. & Holley, R. (2020) InSAR as an operational tool for remote mine monitoring. 22nd EGU General Assembly, held online 4-8 May, 2020, id.2394.

- Mccarron, C. J., Van Landeghem, K. J. J., Baas, J. H., Amoudry, L. O. & Malarkey, J. (2019) The hiding-exposure effect revisited: A method to calculate the mobility of bimodal sediment mixtures. *Marine Geology*, 410, 22-31.
- Mclachlan, P., Blanchy, G. & Binley, A. (2020a) EMagPy: open-source standalone software for processing, forward modeling and inversion of electromagnetic induction data. *Computers & geosciences*, 104561.
- Mclachlan, P., Blanchy, G., Chambers, J., Sorensen, J., Uhlemann, S., Wilkinson, P. & Binley, A. (2021) The Application of Electromagnetic Induction Methods to Reveal the Hydrogeological Structure of a Riparian Wetland. *Water Resources Research*, 57(6), e2020WR029221.
- Mclachlan, P., Chambers, J., Uhlemann, S. & Binley, A. (2017) Geophysical characterisation of the groundwater-surface water interface. *Advances in Water Resources*, 109, 302-319.
- Mclachlan, P., Chambers, J., Uhlemann, S. & Binley, A. (2020b) Limitations and considerations for electrical resistivity and induced polarization imaging of riverbed sediments: Observations from laboratory, field, and synthetic experiments. *Journal of Applied Geophysics*.
- Mclachlan, P., Chambers, J., Uhlemann, S., Sorensen, J. & Binley, A. (2020c) Electrical resistivity monitoring of river-groundwater interactions in a Chalk river and neighbouring riparian zone. *Near Surface Geophysics*, 18(4), 385-398.
- Mondain-Monval, T. & Sharp, S. (2018) Burrow depth, carbon dioxide and reproductive success in Sand Martins Riparia riparia - Research Portal | Lancaster University. 14th March 2018. [
- Mondain-Monval, T. O., Briggs, K., Wilson, J. & Sharp, S. P. (2020a) Climatic conditions during migration affect population size and arrival dates in an Afro-Palaeartic migrant: Climate and demography in sand martins. *Ibis*.
- Mondain-Monval, T. O., Du Feu, R. & Sharp, S. P. (2020b) The effects of geolocators on return rates, condition, and breeding success in Common Sandpipers *Actitis hypoleucos*. *Bird Study*, 217-223.
- Nurk, N. M., Linder, H. P., Onstein, R. E., Larcombe, M. J., Hughes, C. E., Fernandez, L. P., Schluter, P. M., Valente, L., Beierkuhnlein, C., Cutts, V., Donoghue, M. J., Edwards, E. J., Field, R., Flantua, S. G. A., Higgins, S. I., Jentsch, A., Liede-Schumann, S. & Pirie, M. D. (2020) Diversification in evolutionary arenas- Assessment and synthesis. *Ecology and Evolution*, 10(12), 6163-6182.
- O'Neill, R., Girkin, N., Krol, D., Wall, D., Brennan, F., Lanigan, G., Renou-Wilson, F., Muller, C. & Richards, K. (2020) The effect of carbon availability on N₂O emissions is moderated by soil phosphorus. *Soil Biology & Biochemistry*, 142.
- Olgun, H., Mohammed, M. K., Mzee, A. J., Green, M. E. L., Davenport, T. R. B. & Georgiev, A. V. (2021) The implications of vehicle collisions for the Endangered endemic Zanzibar red colobus *Ptilocolobus kirkii*. *Oryx*, 1-9.
- Perry, W., Lindsay, E., Payne, C., Brodie, C. & Kazlauskaitė, R. (2020a) The role of the gut microbiome in sustainable teleost aquaculture. *Proceedings of the Royal Society B-Biological Sciences*, 287(1926).

- Perry, W., Solberg, M., Brodie, C., Medina, A., Pillay, K., Egerton, A., Harvey, A., Creer, S., Llewellyn, M., Taylor, M., Carvalho, G. & Glover, K. (2020b) Disentangling the effects of sex, life history and genetic background in Atlantic salmon: growth, heart and liver under common garden conditions. *Royal Society Open Science*, 7(10).
- Perry, W. B., Solberg, M. F., Besnier, F., Dyrhovden, L., Matre, I. H., Fjellidal, P. G., Ayllon, F., Creer, S., Llewellyn, M., Taylor, M. I., Carvalho, G. & Glover, K. A. (2019) Evolutionary drivers of kype size in atlantic salmon (*salmo salar*): domestication, age and genetics. *Royal Society Open Science*, 6(4).
- Puissant, J., Jones, B., Goodall, T., Mang, D., Blaud, A., Gweon, H. S., Malik, A., Jones, D. L., Clark, I. M., Hirsch, P. R. & Griffiths, R. (2019) The pH optimum of soil exoenzymes adapt to long term changes in soil pH. *Soil Biology and Biochemistry*, 138, <xocs:firstpage xmlns:xocs=""/>.
- Rawlins, B., Turner, G., Wragg, J., Mclachlan, P. & Lark, R. (2015) An improved method for measurement of soil aggregate stability using laser granulometry applied at regional scale. *European Journal of Soil Science*, 66(3), 604-614.
- Rippeth, T., Vlasenko, V., Stashchuk, N., Kozlov, I., Scannell, B., Green, M., Lincoln, B. & Lenn, Y. (2019) THE INCREASING PREVALENCE OF HIGH FREQUENCY INTERNAL WAVES IN AN ARCTIC OCEAN WITH DECLINING SEA ICE COVER. *Proceedings of the Asme 38th International Conference on Ocean, Offshore and Arctic Engineering, 2019, Vol 7b*.
- Rippeth, T. P., Vlasenko, V., Stashchuk, N., Scannell, B. D., Green, J. A. M., Lincoln, B. J. & Bacon, S. (2017) Tidal Conversion and Mixing Poleward of the Critical Latitude (an Arctic Case Study). *Geophysical Research Letters*, 44(24), 12349-12357.
- Roberts, N., Allcock, S. L., Barnett, H., Mather, A., Eastwood, W. J., Jones, M., Primmer, N., Yigitbasioglu, H. & Vanniere, B. (2019) Cause-and-effect in Mediterranean erosion: The role of humans and climate upon Holocene sediment flux into a central Anatolian lake catchment. *Geomorphology*, 331, 36-48.
- Robinson, S., Berg, E., Meirelles, G. & Ostle, N. (2015) Factors influencing early secondary succession and ecosystem carbon stocks in Brazilian Atlantic Forest. *Biodiversity and Conservation*, 24(9), 2273-2291.
- Sach, F., Dierenfeld, E. S., Langley-Evans, S. C., Hamilton, E., Lark, R. M., Yon, L. & Watts, M. J. (2020a) Potential bio-indicators for assessment of mineral status in elephants. *Scientific Reports*, 10(1), 14.
- Sach, F., Dierenfeld, E. S., Langley-Evans, S. C., Watts, M. J. & Yon, L. (2019) African savanna elephants (*Loxodonta africana*) as an example of a herbivore making movement choices based on nutritional needs. *Peerj*, 7, 27.
- Sach, F., Yon, L., Henley, M. D., Bedetti, A., Buss, P., De Boer, W. F., Dierenfeld, E. S., Gardner, A., Langley-Evans, S. C., Hamilton, E., Lark, R. M., Prins, H. H. T., Swemmer, A. M. & Watts, M. J. (2020b) Spatial geochemistry influences the home range of elephants. *Science of the Total Environment*, 729.
- Scannell, B., Rippeth, T., Simpson, J., Polton, J. & Hopkins, J. (2017) Correcting Surface Wave Bias in Structure Function Estimates of Turbulent Kinetic Energy Dissipation Rate. *Journal of Atmospheric and Oceanic Technology*, 34(10), 2257-2273.

- Schaller, J., Turner, B. L., Weissflog, A., Pino, D., Bielnicka, A. W. & Engelbrecht, B. M. J. (2018) Silicon in tropical forests: large variation across soils and leaves suggests ecological significance. *Biogeochemistry*, 140(2), 161-174.
- Scourse, J., Saher, M., Van Landeghem, B., Lockhart, E., Purcell, C., Callard, L., Roseby, Z., Allinson, B., Pienkowski, A. J., O'cofaigh, C., Praeg, D., Ward, S., Chiverrell, R., Moreton, S., Fabel, D. & Clark, C. D. (2019) Advance and retreat of the marine-terminating Irish Sea Ice Stream into the Celtic Sea during the Last Glacial: Timing and maximum extent. *Marine Geology*, 412, 53-68.
- Sengupta, U., Amos, M., Hosking, J. S., Rasmussen, C. E., Juniper, M. & Young, P. (2020) Ensembling geophysical models with Bayesian Neural Networks. *In Press*.
- Sheppard, C. E., Williams, G. J., Exton, D. A. & Keith, S. A. (2023) Co-occurrence of herbivorous fish functional groups correlates with enhanced coral reef benthic state. *Global ecology and biogeography*, 32(3), 435-449.
- Sibbett, L. (2015) Creating better opportunities. *Physics World*, 28(2), 17-17.
- Sibbett, L., Chambers, J., Li, B. & Wilkinson, P. (2017) Total Generalised Variation: An improved regulariser for Electrical Resistivity Tomography inversion. *EGU General Assembly Conference Abstracts*, 19, 14348.
- Silk, M. J., Crowley, S. L., Woodhead, A. J. & Nuno, A. (2018) Considering connections between Hollywood and biodiversity conservation. *Conservation Biology*, 32(3), 597-606.
- Smith, C., Del Bon Espirito-Santo, F., Healey, J., Young, P., Lennox, G., Ferreira, J. & Barlow, J. (2020) Secondary forests offset less than 10% of deforestation-mediated carbon emissions in the Brazilian Amazon. *Global Change Biology*.
- Smith, C., Healey, J., Berenguer, E., Young, P., Taylor, B., Elias, F., Espirito-Santo, F. & Barlow, J. (2021) Old-growth forest loss and secondary forest recovery across Amazonian countries. *Environmental Research Letters*, 16(8).
- Somers, C., Girkin, N., Rippey, B., Lanigan, G. & Richards, K. (2019) The effects of urine nitrogen application rate on nitrogen transformations in grassland soils. *Journal of Agricultural Science*, 157(6), 515-522.
- Stefanoudis, P. V., Rivers, M., Ford, H., Yashayaev, I. M., Rogers, A. D. & Woodall, L. C. (2019a) Changes in zooplankton communities from epipelagic to lower mesopelagic waters. *Marine Environmental Research*, 146, 1-11.
- Stefanoudis, P. V., Rivers, M., Smith, S. R., Schneider, C. W., Wagner, D., Ford, H., Rogers, A. D. & Woodall, L. C. (2019b) Low connectivity between shallow, mesophotic and rariphotic zone benthos. *Royal Society Open Science*, 6(9).
- Stewart, J. D., Jaine, F. R. A., Armstrong, A. J., Armstrong, A. O., Bennett, M. B., Burgess, K. B., Couturier, L. I. E., Croll, D. A., Cronin, M. R., Deakos, M. H., Dudgeon, C. L., Fernando, D., Froman, N., Germanov, E. S., Hall, M. A., Hinojosa-Alvarez, S., Hosegood, J. E., Kashiwagi, T., Laglbauer, B. J. L., Lezama-Ochoa, N., Marshall, A. D., Mcgregor, F., Di Sciara, G. N., Palacios, M. D., Peel, L. R., Richardson, A. J., Rubin, R. D., Townsend, K. A., Venables, S. K. & Stevens, G. M. W. (2018) Research Priorities to Support Effective Manta and Devil Ray Conservation. *Frontiers in Marine Science*, 5, 27.

- Swann, G. E. A., Kendrick, C. P., Dickson, A. J. & Worne, S. (2018) Late Pliocene marine pCO₂ reconstructions from the Subarctic Pacific Ocean. *Paleoceanography and Paleoclimatology*.
- Tarr, S., Meiri, S., Hicks, J. J. & Algar, A. C. (2019) A biogeographic reversal in sexual size dimorphism along a continental temperature gradient. *Ecography*, 42(4), 706-716.
- Unwin, H. E., Tuffen, H., Phillips, E., Wadsworth, F. B. & James, M. R. (2021) Pressure-Driven Opening and Filling of a Volcanic Hydrofracture Recorded by Tuffisite at Húsafell, Iceland: A Potential Seismic Source. *Frontiers in Earth Science*, 9(347).
- Upton, A., Vane, C. H., Girkin, N., Turner, B. L. & Sjögersten, S. (2018) Does litter input determine carbon storage and peat organic chemistry in tropical peatlands? *Geoderma*, 326, 76-87.
- Valido, C., Johnson, M., Dugdale, S., Cutts, V., Fell, H., Higgins, E., Tarr, S., Templey, C. & Algar, A. (2020) Thermal sensitivity of feeding and burrowing activity of an invasive crayfish in UK waters. *Ecohydrology*.
- Vierod, A., Guinotte, J. & Davies, A. (2014) Predicting the distribution of vulnerable marine ecosystems in the deep sea using presence-background models. *Deep-Sea Research Part II-Topical Studies in Oceanography*, 99, 6-18.
- Weissflog, A., Markesteijn, L., Iello, A., Healey, J. & Eipel, I. (2022) Do prey shape, time of day, and plant trichomes affect the predation rate on plasticine prey in tropical rainforests? *Biotropica*.
- Weissflog, A., Markesteijn, L., Lewis, O., Comita, L. & Engelbrecht, B. (2018) Contrasting patterns of insect herbivory and predation pressure across a tropical rainfall gradient. *Biotropica: The Scientific Journal of the ATBC*, 50(2), 302-311.
- Wijedasa, L. S., Jauhiainen, J., Kononen, M., Lampela, M., Vasander, H., Leblanc, M. C., Evers, S., Smith, T. E. L., Yule, C. M., Varkkey, H., Lupascu, M., Parish, F., Singleton, I., Clements, G. R., Aziz, S. A., Harrison, M. E., Cheyne, S., Anshari, G. Z., Meijaard, E., Goldstein, J. E., Waldron, S., Hergoualc'h, K., Dommain, R., Froking, S., Evans, C. D., Posa, M. R. C., Glaser, P. H., Suryadiputra, N., Lubis, R., Santika, T., Padfield, R., Kurnianto, S., Hadasiswoyo, P., Lim, T. W., Page, S. E., Gauci, V., Van Der Meer, P. J., Buckland, H., Garnier, F., Samuel, M. K., Choo, L., O'reilly, P., Warren, M., Sukswan, S., Sumarga, E., Jain, A., Laurance, W. F., Couwenberg, J., Joosten, H., Vernimmen, R., Hooijer, A., Malins, C., Cochrane, M. A., Perumal, B., Siegert, F., Peh, K. S. H., Comeau, L. P., Verchot, L., Harvey, C. F., Cobb, A., Jaafar, Z., Wosten, H., Manuri, S., Muller, M., Giesen, W., Phelps, J., Yong, D. L., Silvius, M., Wedeux, B. M. M., Hoyt, A., Osaki, M., Hirano, T., Takahashi, H., Kohyama, T. S., Haraguchi, A., Nugroho, N. P., Coomes, D. A., Quoi, L. P., Dohong, A., Gunawan, H., Gaveau, D. L. A., Langner, A., Lim, F. K. S., Edwards, D. P., Giam, X., Van Der Werf, G., Carmenta, R., Verwer, C. C., Gibson, L., Gandois, L., Graham, L. L. B., Regalino, J., Wich, S. A., Rieley, J., Kettridge, N., Brown, C., Pirard, R., Moore, S., Capilla, B. R., Ballhorn, U., et al. (2017) Denial of long-term issues with agriculture on tropical peatlands will have devastating consequences. *Global Change Biology*, 23(3), 977-982.
- Withers, A., De Boer, J., Chipabika, G., Zhang, L., Smith, J., Jones, C. & Wilson, K. (2021) Microsatellites reveal that genetic mixing commonly occurs between invasive fall armyworm populations in Africa. *Scientific Reports*, 11(1).

- Woodhead, A. J., Abernethy, K. E., Szaboova, L. & Turner, R. A. (2018) Health in fishing communities: A global perspective. *Fish and Fisheries*, 19(5), 839-852.
- Woodhead, A. J., Hicks, C. C., Norstrom, A. V., Williams, G. J. & Graham, N. A. J. (2019) Coral reef ecosystem services in the Anthropocene. *Functional Ecology*, 33(6), 1023-1034.
- Worne, S., Kender, S., Swann, G., Leng, M. & Ravelo, A. (2020) Reduced upwelling of nutrient and carbon-rich water in the subarctic Pacific during the Mid-Pleistocene Transition. *Palaeogeography Palaeoclimatology Palaeoecology*, 555.
- Worne, S., Kender, S., Swann, G. E. A., Leng, M. J. & Ravelo, A. C. (2019) Coupled climate and subarctic Pacific nutrient upwelling over the last 850,000 years. *Earth and Planetary Science Letters*, 522, 87-97.
- Young, S., Sack, L., Sporck-Koehler, M. & Lundgren, M. (2020) Why is C4 photosynthesis so rare in trees? *Journal of Experimental Botany*, 4629-4638.
- Zhang, L., Liu, B., Zheng, W., Liu, C., Zhang, D., Zhao, S., Li, Z., Xu, P., Wilson, K., Withers, A., Jones, C., Smith, J., Chipabika, G., Kachigamba, D., Nam, K., D'alencon, E., Liang, X., Jin, M., Wu, C., Chakrabarty, S., Yang, X., Jiang, Y., Liu, J., Liu, X., Quan, W., Wang, G., Fan, W., Qian, W., Wu, K. & Xiao, Y. (2020) Genetic structure and insecticide resistance characteristics of fall armyworm populations invading China. *Molecular Ecology Resources*, 20(6), 1682-1696.