



THE FIFTH ANNUAL

Sport Ecology Reading List

the
**SPORT
ECOLOGY**
group

2023-2024

THE SPORT ECOLOGY GROUP

The Sport Ecology Group was founded in 2019 as an international, non-profit consortium of sport scholars who aim to make academic research and knowledge on sport ecology topics accessible to a broad audience.

The SEG acknowledges the climate crisis and recognizes the unique potential for academics to participate in the public discourse on this topic in meaningful ways. Specifically, our membership sees opportunities for academics to share research with the public via lectures, webinars, social media, podcasts, and other creative means. Further, we believe that sport's unique global platform can and should be leveraged as an environmental education vehicle for everyday fans.

OUR MISSION

To produce **high-quality research** in sport ecology, catalyze **industry-academy knowledge exchange**, raise **public awareness** of sport ecology-related topics, and **create opportunities for students** to learn and grow as professionals.

The SEG's operations fall into four programmatic pillars: research, teaching, industry-liaison, and public education.

OUR READING LISTS

The SEG annual reading lists are a collection of academic articles that are shared with the public each summer. Each article on this list has been chosen by the SEG membership for its scope, rigor, approach, or unique insights. Upon request, PDFs of articles in this list can be shared with partners of the SEG and the academic community.

For more information on this list or its contents, please email research@sportecology.com.

This year's reading list was curated by Ben Mole (PhD Student at Loughborough University) with input from the SEG membership.

PART 1 - SPECIAL TOPIC

SUSTAINABILITY REPORTING: INSIGHTS FROM THE CSR LITERATURE

- Ito, E., & Higham, J. (2023) An evidence-base for reducing the CO2 emissions of national mega sports events: application of the three-hub model to the Japan 2019 Rugby World Cup, *Journal of Sustainable Tourism*, <https://doi.org/10.1080/09669582.2023.2177301>
- McCullough, B. P., & Trail, G. T. (2023) Assessing key performance indicators of corporate social responsibility initiatives in sport, *European Sport Management Quarterly*, 23:1, (pp. 82-103), <https://doi.org/10.1080/16184742.2022.2033808>
- Müller, M., Wolfe, S.D., Gaffney, C. Christopher Gaffney, David Gogishvili, Miriam Hug & Annick Leick An evaluation of the sustainability of the Olympic Games. *Nat Sustain* 4, 340-348 (2021). <https://doi.org/10.1038/s41893-021-00696-5>
- Ribeiro, J., Branco, M.C. and Ribeiro, J.A. (2019), The corporatisation of football and CSR reporting by professional football clubs in Europe, *International Journal of Sports Marketing and Sponsorship*, 20(2), (pp. 242-257). <https://doi.org/10.1108/IJSMS-05-2017-0039>
- Valeri, M. (2019). *Corporate social responsibility and reporting in sports organizations*. Switzerland: Springer International Publishing. <https://doi.org/10.1007/978-3-319-97649-5>

PART 2

FOUNDATIONS OF SPORT ECOLOGY



- McCullough, B. P., Orr, M. & Kellison, T. (2020). Sport ecology: Conceptualizing an emerging subdiscipline within sport management. *Journal of Sport Management*, 34(6), 509-520. <https://doi.org/10.1123/jsm.2019-0294>
- McCullough, B. P., & Kellison, T. (2020). Making Our Footprint: Constraints in the Legitimization of Sport Ecology in Practice and the Academy. In B. Millington & B. Wilson (Eds.), *Sport and the Environment* (pp. 199-216). Emerald Publishing Limited. <https://doi.org/10.1108/S1476-285420200000013012>
- Orr, M., & Inoue, Y. (2019). Sport versus climate: Introducing the climate vulnerability of sport organizations framework. *Sport Management Review*, 22(4), 452-463. <https://doi.org/10.1016/j.smr.2018.09.007>
- Gammelsæter, H., & Loland, S. (2022). Code Red for Elite Sport. A critique of sustainability in elite sport and a tentative reform programme. *European Sport Management Quarterly*, 1-21. <https://doi.org/10.1080/16184742.2022.2096661>

PART 3

TEACHING SPORT ECOLOGY



- Dingle, G. W. & Mallen, C. (2020). Sport and education for environmental sustainability. In C. Mallen & G. W. Dingle (Eds.). *Sport and environmental sustainability: Research and strategic management*. (1st ed., pp. 243-260). London, UK: Routledge.
<https://doi.org/10.4324/9781003003694-13>
- Graham, J., Trendafilova, S., & Ziakas, V. (2018). Environmental sustainability and sport management education: Bridging the gaps. *Managing Sport and Leisure*, 23, 422-433.
<https://doi.org/10.1080/23750472.2018.1530069>
- Mercado, H. U., & Grady, J. (2017). Teaching Environmental Sustainability Across the Sport Management Curriculum. *Sport Management Education Journal*, 11(2), 120-127.
<https://doi.org/10.1123/smej.2016-0018>
- Orr, M., McCullough, B. P., & Pelcher, J. (2020). Leveraging sport as a venue and vehicle for transformative sustainability learning. *International Journal of Sustainability in Higher Education*, 21(6), 1071-1086. <https://doi.org/10.1108/IJSHE-02-2020-0074>

PART 4

MANAGING SUSTAINABILITY



- Johnson, J. & Ali, A. E. (2018). Sustainability, greenwashing, and the light green approach to sport environmentalism (pp. 319-329). In B. P. McCullough & T. Kellison (Eds.) *Routledge Handbook of Sport and the Environment*. London: Routledge. <https://doi.org/10.4324/9781315619514>
- McCullough, B. P., Pfahl, M., & Nguyen, S. (2016). The green waves of environmental sustainability in sport. *Sport in Society*, 19(7), 1040-1065. <https://doi.org/10.1080/17430437.2015.1096251>
- Sartore-Baldwin, M. L., & McCullough, B. (2018). Equity-based sustainability and ecocentric management: Creating more ecologically just sport organization practices. *Sport Management Review*, 21(4), 391-402. <https://doi.org/10.1016/j.smr.2017.08.009>
- Theron, C. & Prett, L. (2015). The financial drivers for embedding sustainability into a sports organization (pp. 171-190). In J. Casper & M. E. Pfahl (Eds.) *Sport Management and the Natural Environment*. London: Routledge. <https://doi.org/10.4324/9781315881836-13>
- Wall-Tweedie, J., & Nguyen, S. N. (2016). Is the grass greener on the other side? A review of the Asia-Pacific sport industry's environmental sustainability practices. *Journal of Business Ethics*, 152(3), 741-761. <https://doi.org/10.1007/s10551-016-3320-6>

PART 5

FAN ENGAGEMENT



- Casper, J. M., McCullough, B. P., & Pfahl, M. E. (2020). Examining environmental fan engagement initiatives through values and norms with intercollegiate sport fans. *Sport Management Review*, 23(2), 348–360. <https://doi.org/10.1016/j.smr.2019.03.005>
- Ciletti, D., Lanasa, J., Ramos, D., Luchs, R., & Lou, J. (2016). Sustainability Communication in North American Professional Sports Leagues: Insights From Web-Site Self-Presentations. *International Journal of Sport Communication*, 3(1), 64–91. <https://doi.org/10.1123/ijsc.3.1.64>
- Inoue, Y., & Kent, A. (2012). Sport Teams as Promoters of Pro-Environmental Behavior: An Empirical Study. *Journal of Sport Management*, 26(5), 417–432. <https://doi.org/10.1123/jsm.26.5.417>
- Kellison, T. B., & Kim, Y. K. (2014). Marketing pro-environmental venues in professional sport: Planting seeds of change among existing and prospective consumers. *Journal of Sport Management*, 28(1), 34–48. <https://doi.org/10.1123/jsm.2011-0127>
- Amann, J., & Doidge, M. (2023). ‘I Hadn’t Realised That Change Is Not a Difficult Thing’: Mobilising Football Fans on Climate Change. *Sociology*, 0(0). <https://doi.org/10.1177/00380385221142211>

PART 6

FACILITY SUSTAINABILITY



- Kellison, T. B., & Hong, S. (2015). The adoption and diffusion of pro-environmental stadium design. *European Sport Management Quarterly*, 15(2), 249-269. <https://doi.org/10.1080/16184742.2014.995690>
- Kellison, T. B., Trendafilova, S., & McCullough, B. P. (2015). Considering the social impact of sustainable stadium design. *International Journal of Event Management Research*, 10(1), 63-83.
- Mallen, C., & Chard, C. (2012). "What could be" in Canadian sport facility environmental sustainability. *Sport Management Review*, 15(2), 230-243. <https://doi.org/10.1016/j.smr.2011.10.001>
- Mallen, C., Adams, L., Stevens, J., & Thompson, L. (2010). Environmental sustainability in sport facility management: A Delphi study. *European Sport Management Quarterly*, 10(3), 367-389. <https://doi.org/10.1080/16184741003774521>
- Pereira, R. P. T., Camara, M. V. O., Ribeiro, G. M., & Filimonau, V. (2017). Applying the facility location problem model for selection of more climate benign mega sporting event hosts: A case of the FIFA World Cups. *Journal of Cleaner Production*, 159, 147-157. <https://doi.org/10.1016/j.jclepro.2017.05.053>
- Mercado, H., & Walker, M. (2012). The value of environmental social responsibility to facility managers: Revealing the perceptions and motives for adopting ESR. *Journal of Business Ethics*, 110(3), 269-284. <https://doi.org/10.1007/s10551-011-1153-x>

PART 7

CLIMATE VULNERABILITY & ADAPTATION



- Dingle, G. W., & Stewart, B. (2018). Playing the climate game: climate change impacts, resilience and adaptation in the climate-dependent sport sector. *Managing Sport and Leisure*, 23(4-6), 293-314.
<https://doi.org/10.1080/23750472.2018.1527715>
- Kakamu, T., Wada, K., Smith, D. R., Endo, S., Fukushima, T. (2017). Preventing heat illness in the anticipated hot climate of the Tokyo 2020 Summer Olympic Games. *Environmental Health and Preventative Medicine*, 22(68), 1-6.
<https://doi.org/10.1186/s12199-017-0675-y>
- Murfree, J. R., & Moorman, A. M. (2021). An examination and analysis of Division I football game contracts: Legal implications of game cancellations due to hurricanes. *Journal of Legal Aspects of Sport*, 31(1), 123-146.
<https://doi.org/10.18060/24922>
- Orr, M. (2021). Finding consensus on indicators for organizational resilience in the sport sector. *Managing Sport & Leisure*. (Ahead of print).
<https://doi.org/10.1080/23750472.2021.1914710>
- Orr, M., & Kellison, T. (2020). Sport facilities as sites of environmental and social resilience. *Managing Sport and Leisure*, 1-6.
<https://doi.org/10.1080/23750472.2020.1855081>
- Ross, W. J., & Orr, M. (2022). Predicting climate impacts to the Olympic Games and FIFA Men's World Cups from 2022 to 2032. *Sport in Society*, 25(4), 867-888.
<https://doi.org/10.1080/17430437.2021.1984426>

PART 8

EVENT SUSTAINABILITY



- Collins, A. & Flynn, A. (2008). Measuring the environmental sustainability of a major sporting event: a case study of the FA Cup Final. *Tourism Economics*, 14(4), 751-768. <https://doi.org/10.5367%2F000000008786440120>
- Dolf, M., & Teehan, P. (2015). Reducing the carbon footprint of spectator and team travel at the University of British Columbia's varsity sports events. *Sport Management Review*, 18(2), 244-255. <https://doi.org/10.1016/j.smr.2014.06.003>
- Mallen, C., Stevens, J., Adams, L., & McRoberts, S. (2010). The assessment of the environmental performance of an international multi-sport event. *European Sport Management Quarterly*, 10(1), 97-122. <https://doi.org/10.1080/16184740903460488>
- Ross, W. J., & Leopkey, B. (2017). The adoption and evolution of environmental practices in the Olympic Games. *Managing Sport and Leisure*, 22(1), 1-18. <https://doi.org/10.1080/23750472.2017.1326291>
- Trendafilova, S. & Ross, W., Triantafyllidis, S., & Pelcher, J. (2022). Tokyo 2020 Olympics sustainability: An elusive concept or reality? *International Review for the Sociology of Sport*, 1-22 DOI:10.1177/10126902221110157

PART 9

SPORT & ENVIRONMENTAL JUSTICE

- Cunningham, G. B., Wicker, P., & McCullough, B. P. (2020). Pollution, health, and the moderating role of physical activity opportunities. *International Journal of Environmental Research and Public Health*, 17(17), 6272. <https://doi.org/10.3390/ijerph17176272>
- Henhawk, D., & Norman, R. (2019). Indigenous peoples, sport and sustainability. In R. Millington & S. C. Darnell (Eds.), *Sport, Development and Environmental Sustainability* (1st ed., pp. 163-177). Routledge. <https://doi.org/10.4324/9781351128629-11>
- Millington, R., Hayhurst, L. M. C., Giles, A. R., & Rynne, S. (2020). “Back in the Day, You Opened Your Mine and on You Went”: Extractives Industry Perspectives on Sport, Responsibility, and Development in Indigenous Communities in Canada. *Journal of Sport Management*, 34(6), 521-532. <https://doi.org/10.1123/jsm.2019-0345>
- Reid, J. (2019). Space, Environment, and Appropriation: Sport and Settler Colonialism in Mi'kma'ki. *Journal of Sport History*, 46(2), 242-254. <https://doi.org/10.5406/jsporthistory.46.2.0242>
- Chen, C. (2023). The (ecologically) imperial mode of sport at the exterminist stage of capitalism: Counter stories against the Dakar Rally's ride in South America (2009 - 2019). *International Review for the Sociology of Sport*. <https://doi.org/10.1177/10126902231163062>
- Chen, C. & Kellison, T. (2023). The Clock is Ticking: Contexts, Tensions, and Opportunities for Addressing Environmental Justice in Sport Management. *Sport, Business and Management*. 13(3), 376 - 396. <https://doi.org/10.1108/SBM-08-2022-007>

PART 10

ATTITUDES & CONSUMER BEHAVIOUR



- Inoue, Y., & Kent, A. (2014). A conceptual framework for understanding the effects of corporate social marketing on consumer behavior. *Journal of Business Ethics*, 121(4), 621-633. <https://doi.org/10.1007/s10551-013-1742-y>
- Janssen, E., van Kann, D., de Vries, H., Lechner, L., van Osch, L. (2015). Sun protection during snow sports: An analysis of behavior and psychosocial determinants. *Health Education Research*, 30(3), 380-387. <https://doi.org/10.1093.her/cyv013>
- McCullough, B. P., Jakar, G., & Kellison, T. (in press). Distance decay and public transportation usage among select professional Seattle sport fans. *Tourism Geographies*. <https://doi.org/10.1080/14616688.2022.2086906>
- Trail, G. T. & McCullough, B. P. (2021). A longitudinal study of sustainability attitudes, intentions, and behaviors. *Sustainability Science*, 16(5), 1503-1518. <https://doi.org/10.1007/s11625-021-00954-7>
- Wicker, P. (2019). The carbon footprint of active sport participants. *Sport Management Review*, 22(4), 513-526. <https://doi.org/10.1016/j.smr.2018.07.001>

PART 11

COLLEGE SPORT & SUSTAINABILITY



- Casper, J. M., McCullough, B. P., & Smith, D. M. K. (2021). Pro-Environmental Sustainability and Political Affiliation: An Examination of USA College Sport Sustainability Efforts. *International Journal of Environmental Research and Public Health*, 18(11), 5840. <https://doi.org/10.3390/ijerph18115840>
- Casper, J., McCullough, B. P., & Pfahl, M. E. (2020). Examining environmental fan engagement initiatives through values and norms with intercollegiate sport fans. *Sport Management Review*, 23(2), 348-360. <https://doi.org/10.1016/j.smr.2019.03.005>
- Cooper, J. A., & McCullough, B. P. (2021). Bracketing sustainability: Carbon footprinting March Madness to rethink sustainable tourism approaches and measurements. *Journal of Cleaner Production*, 318(10), 128475. <https://doi.org/10.1016/j.jclepro.2021.128475>
- Trendafilova, S., Pelcher, J., & Graham, J. (2021). Sustainability in the PAC-12 Conference: A longitudinal study. *Journal of Contemporary Athletics*, 15(3), 209-228.



PART 12

ENVIRONMENTAL IMPACTS OF SPORT

- Bunds, K.S., Casper, J.M., Frey, H.C. & Bennett, M. (2019). Air pollution at college football games: Developing a methodology for measuring air pollutant exposure in a sport event microenvironment. *Event Management*, 23(3), 399-412. <https://doi.org/10.3727/152599518X15403853721484>
- Bunds, K. S., Kanters, M. A., Venditti, R. A., Rajagopalan, N., Casper, J. M., & Carlton, T. A. (2018). Organized youth sports and commuting behavior: The environmental impact of decentralized community sports facilities. *Transportation Research Part D*, 65, 387-395. <https://doi.org/10.1016/j.trd.2018.08.017>
- Dolf, M., & Teehan, P. (2015). Reducing the carbon footprint of spectator and team travel at the University of British Columbia's varsity sports events. *Sport Management Review*, 18(2), 244-255. <https://doi.org/10.1016/j.smr.2014.06.003>
- McCullough, B. P., Orr, M., Watanabe, N. M. (2020). Measuring externalities: The imperative next step to sustainability assessment in sport. *Journal of Sport Management*, 34(5), 1-10. <https://doi.org/10.1123/jsm.2019-0254>
- Wilby, R. L., Orr, M., Depledge, D., Giulianotti, R., Havenith, G., Kenyon, J. A., ... & Taylor, L. (2023). The impacts of sport emissions on climate: Measurement, mitigation, and making a difference. *Annals of the New York Academy of Sciences*, 1519(1), 20-33. <https://doi.org/10.1111/nyas.14925>

PART 13

SPORT SUSTAINABILITY TEXTBOOKS



- Casper, J., & Pfahl, M. (Eds.). (2015). *Sport Management and the Natural Environment: Theory and Practice* (1st ed.). Routledge.
<https://doi.org/10.4324/9781315881836>
- Dingle, G., & Mallen, C. (Eds.). (2020). *Sport and Environmental Sustainability: Research and Strategic Management* (1st ed.). Routledge.
<https://doi.org/10.4324/9781003003694>
- McCullough, B.P., & Kellison, T.B. (Eds.). (2017). *Routledge Handbook of Sport and the Environment* (1st ed.). Routledge. <https://doi.org/10.4324/9781315619514>
- McCullough, B. P., Kellison, T. B., & Melton, E. N. (Eds.). (2022). *Routledge Handbook of Sport and Sustainable Development*. London: Routledge.
- Miller, T. (2017). *Greenwashing Sport* (1st ed.). Routledge.
<https://doi.org/10.4324/9781315659244>
- Wilson, B. and Millington, B. (Ed.) *Sport and the Environment (Research in the Sociology of Sport, Vol. 13)*, Emerald Publishing Limited, Bingley.
<https://doi.org/10.1108/S1476-2854202013>

PART 14

CASE STUDIES IN SPORT ECOLOGY



- Pelcher, J., Trendafilova, S., & Ziakas, V. (2022). Environmental Sustainability at the President's Cup: An Eagle or a Double Bogie?. *Case Studies in Sport Management*, 11(S1), S1-S5.
- Orr, M., & Ross, W. J. (2022). Assessing Climate Suitability of Three Cities for the 2027 Women's World Cup. *Case Studies in Sport Management*, 11(S1), S14-S18.
- Murfree, J. R., & Police, C. C. (2022). Adidas × Parley: An Exploration of Corporate Social Responsibility and the Global Plastic Crisis. *Case Studies in Sport Management*, 11(S1), S19-S24.
- Triantafyllidis, S., & Kaplanidou, K. (2022). Environmental Protection in Nature-Based Sport Events: The Case of Olympus Marathon. *Case Studies in Sport Management*, 11(S1), S25-S28.
- Solomon, B. D., & Stokowski, S. (2022). Skiing Uphill: A Sport Ecology Case Study to Save the Snow. *Case Studies in Sport Management*, 11(S1), S29-S31.
- Ross, W. J., & Fisackerly, W. (2023). Do We Need Esports Ecology? Comparisons of Environmental Impacts Between Traditional Sport and Esports. *Journal of Electronic Gaming and Esports*, 1(1).

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