

Dr Sebastian Dunnett

ENVIRONMENTAL LEADER | SCIENCE-POLICY INTERFACE | INTERGOVERNMENTAL EXPERT

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Summary

London-based environmental leader and intergovernmental biodiversity expert with a PhD in global environmental change and ten years' experience helping organisations deliver for nature. Currently working with corporate partners to safeguard biodiversity in a just energy transition.

Employment

Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES)

[Bonn, Germany](#)

FELLOW

2022-

- Fellow on the upcoming Nexus Assessment, synthesising the latest research to present options to deliver biodiversity conservation, restoration and sustainable use within the water-food-health-biodiversity-food-climate nexus.

UN Environment Programme World Conservation Monitoring Centre (UNEP-WCMC)

[Cambridge, UK](#)

SENIOR PROGRAMME OFFICER, NATURE ECONOMY

2022-

- Provide technical leadership in the team and advocate for nature in a just energy transition. Work engages renewable energy infrastructure developers as well as mining companies responsible for extracting the critical minerals driving decarbonisation.

London Borough of Hammersmith and Fulham

[London, UK](#)

ECOLOGY LEAD - CLIMATE EMERGENCY

2020-2022

- Leading the ecology theme in a new cross-cutting Climate & Ecology strategy, coordinating with service lines to embed across the organisation. Working to strengthen the business case for private investment in green infrastructure projects through commercial partnerships.
- Ensuring local government action contributes to international policy frameworks: became a signatory to the Edinburgh Declaration and now an active participant in CitiesWithNature, a partnership of ICLEI, The Nature Conservancy and IUCN. Responsible for one direct report.

UN Environment Programme World Conservation Monitoring Centre (UNEP-WCMC)

[Cambridge, UK](#)

PROGRAMME OFFICER, BUSINESS AND BIODIVERSITY

2014-2016

- Managed the production of a feasibility report for multilateral finance institutions (MFIs) on marine “no net loss” of biodiversity. Seconded to BP to provide technical environmental support and drafting company biodiversity risk policy in consultation with operational staff

2014-2014 CBRE, London, Environmental & Sustainability Analyst

2012-2014 Best Foot Forward (now Anthesis Group), Oxford, Researcher

Education

University of Southampton

[Southampton, UK](#)

PHD: POTENTIAL SPATIAL TRADE-OFFS BETWEEN RENEWABLE ENERGY EXPANSION AND BIODIVERSITY CONSERVATION

2016-2020

- Research published in *Nature Scientific Data* and *PNAS*, presenting a novel open access global solar PV and onshore wind database. Both papers ranked higher for media attention than 95% of 20m outputs tracked by *Altmetric*, with the data downloaded >1,800 times.
- Developed excellent quantitative analysis skills using complex statistical modelling techniques. Teaching assistant for undergraduate and master's programming courses: Python coding for spatial analysis, advanced quantitative methods in R, and introductory statistics in Stata.
- Awarded 2022 Doctoral College Research Award and selected as 2017 Caux Dialogue Emerging Leader.

2011-2012 Imperial College London, MSc Environmental Technology (Distinction)

2008-2011 University of Cambridge, BA Natural Sciences (2.1)

Select Publications

1. **Dunnett, S.**, Holland, R. A., Taylor, G., & Eigenbrod, F. (2022). Predicted wind and solar energy expansion has minimal overlap with multiple conservation priorities across global regions. *Proceedings of the National Academy of Sciences*, 119(6). <https://doi.org/10.1073/pnas.2104764119>
2. Eigenbrod, F., Beckmann, M., **Dunnett, S.**, Graham, L., Holland, R. A., Meyfroidt, P., Seppelt, R., Song, X.-P., Spake, R., Václavík, T., & Verburg, P. H. (2020). Identifying Agricultural Frontiers for Modeling Global Cropland Expansion. *One Earth*, 3(4), 504–514. <https://doi.org/10.1016/j.oneear.2020.09.006>
3. **Dunnett, S.**, Sorichetta, A., Taylor, G., & Eigenbrod, F. (2020). Harmonised global datasets of wind and solar farm locations and power. *Scientific Data*, 7(130). <https://doi.org/10.1038/s41597-020-0469-8>