

Natural Environment Research Council



Enabling Biodiversity Net Gain in the Planning System

Chair's Introductory remarks Alister Scott BA PhD MRTPI

8 key issues and tensions from an academic perspective

- 1. BNG is part of a wider ecosystem within which environment planning sits (<u>Scott et al 2020</u>).
- 2. Regulation alone is NOT a silver bullet; needs effective guidance, incentives and enforcement avoiding regulatory capture (<u>Scott et al 2014</u>).
- 3. BNG in the <u>mitigation hierarchy</u> (avoid/minimize/restore & offset).(<u>Arlidge et al 2018</u>)
- 4. Achieving increased biodiversity conservation with ongoing infrastructure expansion (300,000 new houses every year) <u>Ermgassen et al 2021</u>
- 5. Offsite versus on-site versus environment & social justice BNG (Bateman and Zonnerfield
- 6. Trade offs between different ecosystem services impact on biodiversity (net gain vs BNG tools) <u>Cordingley et al 2015</u> (Habitat fragmentation)
- 7. Major governance gaps risk jeopardizing positive outcomes of BNG; lack of enforceability (<u>Ermgassen et al 2021</u>)
- 8. Better incorporation of local community values into BNG processes and outcomes (<u>Jones et al</u> <u>2019</u>)





Exploring the ecological outcomes of mandatory biodiversity net gain using evidence from early-adopter jurisdictions in England

Sophus O. S. E. zu Ermgassen¹ I Sally Marsh^{1,2} Kate Ryland³ Edward Church⁴ Richard Marsh⁵ Joseph W. Bull¹

 ¹ School of Anthropology and Conservation, Durrell Institute of Conservation and Ecology, University of Kent, Canterbury, UK
² High Weald AONB Partnership, Flimwell, East Sussex, UK
³ Dolphin Ecological Surveys, Edgedown, Seaford, East Sussex, UK
⁴ Department of Planning, South Oxfordshire and Vale of White Horse District Councils, Abingdon, UK
⁵ Leeds City Council, Merrion House,

Merrion Centre, Leeds, West Yorkshire, UK

Abstract

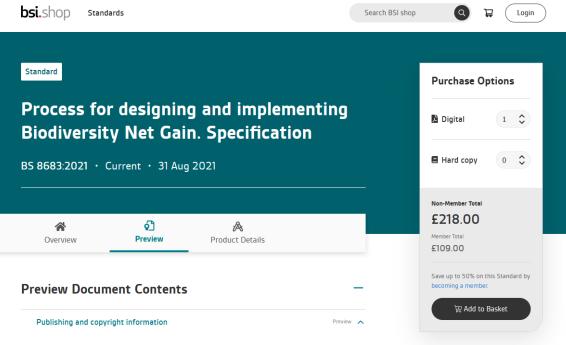
Net outcome-type biodiversity policies are proliferating globally as perceived mechanisms to reconcile economic development and conservation objectives. The UK government's Environment Bill will mandate that most new developments in England demonstrate that they deliver a biodiversity net gain (BNG) to receive planning permission, representing the most wide-ranging net outcome type policy globally. However, as with many nascent net-outcome policies, the likely outcomes of mandatory BNG have not been explored empirically. We assemble all BNG assessments (accounting for $\sim 6\%$ of England's annual house-building and other infrastructure) submitted from January 2020 to February 2021 in six early-adopter councils who are implementing mandatory no net loss or



Raising the standard



- There is a British Standard on biodiversity net gain and development projects: <u>BS</u> <u>8683:2021 Process for</u> <u>designing and</u> <u>implementing Biodiversity</u> <u>Net Gain</u>.
- The standard provides a framework to demonstrate that a project has followed a process based on UK-wide good practices



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