

## Applied Environmental Economics

The complex real-world interactions between the economy and the environment form both the focus of and the main barrier to applied research within the field of environmental economics. However, geographical information systems (GIS) allow economists to tackle such complexity head on by directly incorporating diverse datasets into applied research rather than resorting to simplifying and often unrealistic assumptions. This innovative book applies GIS techniques to spatial cost-benefit analysis of a complex and topical land use change problem – the conversion of agricultural land to multipurpose woodland – looking in detail at issues such as opportunity costs, timber yield, recreation, carbon storage, etc., and embracing cross-cutting themes such as the evaluation of environmental preferences and the spatial transfer of benefit functions.

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A GIS Approach to Cost-Benefit Analysis

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For Fiona, Ben, Freya and Natasha: my world. With love, Ian.

For Mum and Dad. With love and many thanks, Andrew.

For Isabel, Dan and John. Con cariño, Julii.

