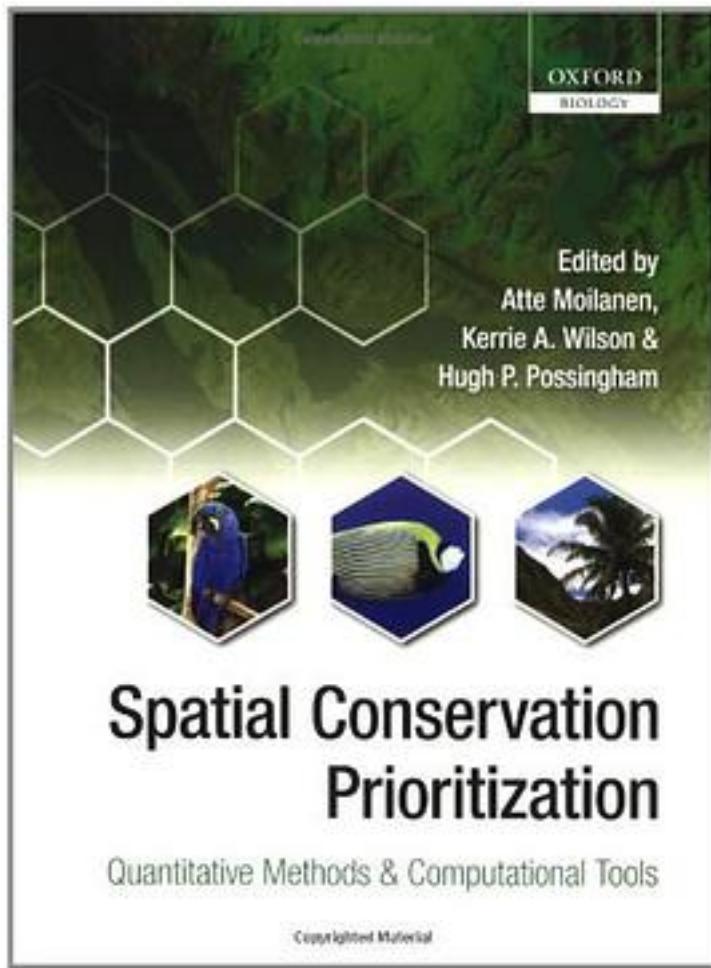


Spatial Conservation Prioritization



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著者:Moilanen, Atte (EDT)/ Wilson, Kerrie A. (EDT)/ Possingham, Hugh P. (EDT)

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Habitat loss and deterioration, climate change, and economic pressures for resource extraction have all led to a global loss of biodiversity. The limited resources available

for conservation need to be used both effectively and efficiently in order to minimise further losses. Spatial conservation prioritization addresses the question of how we should allocate conservation effort and funds in space and time. While the benefits of quantitative conservation prioritization methods have been widely promoted, adoption of these methods in "real-world" planning and implementation is still in its infancy, partly due to the difficulty of identifying which methods and tools (if any) are suited to specific planning problems. Spatial Conservation Prioritization brings together a team of leading scientists to introduce the conceptual and methodological aspects of how to undertake spatial conservation planning in a quantitative manner. It provides the reader with information on when, why, and how to use which statistical and computational methods for conservation prioritization. Important topics underlying spatial prioritization including metapopulation modelling, population viability analysis modelling, species distribution modelling, and uncertainty analysis are discussed, as well as operational definitions and methods. The book includes chapters on the most widely used and latest software, and concludes with an insight into the future of the field.

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