



**sustainability**



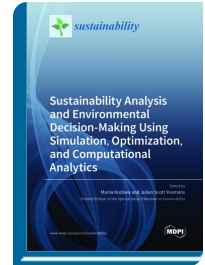
*Special Issue Reprint*

## **Sustainability Analysis and Environmental Decision-Making Using Simulation, Optimization, and Computational Analytics**

[www.mdpi.com/books/reprint/5001](http://www.mdpi.com/books/reprint/5001)

Edited by  
Julian Scott Yeomans  
Mariia Kozlova

ISBN 978-3-0365-3199-1 (Hardback)  
ISBN 978-3-0365-3198-4 (PDF)



Effective environmental decision-making is often challenging and complex, where final solutions frequently possess inherently subjective political and socio-economic components. Consequently, complex sustainability applications in the “real world” frequently employ computational decision-making approaches to construct solutions to problems containing numerous quantitative dimensions and considerable sources of uncertainty. This volume includes a number of such applied computational analytics papers that either create new decision-making methods or provide innovative implementations of existing methods for addressing a wide spectrum of sustainability applications, broadly defined. The disparate contributions all emphasize novel approaches of computational analytics as applied to environmental decision-making and sustainability analysis – be this on the side of optimization, simulation, modelling, computational solution procedures, visual analytics, and/or information technologies.



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