1. Record Nr. UNINA9910557620403321 Autore Yeomans Julian Scott Titolo Sustainability Analysis and Environmental Decision-Making Using Simulation, Optimization, and Computational Analytics Basel, : MDPI - Multidisciplinary Digital Publishing Institute, 2022 Pubbl/distr/stampa Descrizione fisica 1 electronic resource (248 p.) Soggetti Research & information: general Mathematics & science Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Sommario/riassunto 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.