1. Record Nr. UNINA9910337676603321

Autore	Doukas Haris
Titolo	Understanding Risks and Uncertainties in Energy and Climate Policy : Multidisciplinary Methods and Tools for a Low Carbon Society / / edited by Haris Doukas, Alexandros Flamos, Jenny Lieu
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-03152-7
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (XVI, 259 p. 40 illus., 34 illus. in color.)
Classificazione	BUS049000BUS069000BUS070040POL028000SCI092000
Disciplina	333.7
Soggetti	Environmental economics Operations research Climatology Energy policy Political planning Environmental Economics Operations Research and Decision Theory Climate Sciences Energy Policy, Economics and Management Public Policy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	A detailed overview and consistent classification of climate-economy models -- ‘Consensus Building in Engagement Processes’ for reducing risks in developing sustainable pathways: Indigenous interests as core elements of engagement -- An application of calibration and uncertainty quantification techniques for agent-based models -- Investments in the EU power system: A stress-test analysis on the effectiveness of decarbonisation policies -- Impact Assessment of Climate and Energy Policy Scenarios: A Multi Criteria Approach -- Water Stress Implications of Energy Scenarios for the Middle East: an Assessment of Risks and Uncertainties -- Evaluation of national environmental efficiency under uncertainty using Data Envelopment Analysis -- Hypothesis for a Risk Cost of Carbon: Revising the

	Externalities and Ethics of Climate Change -- Assessment of Renewable Energy Projects using a Decision Support System: a process to endorse the Social License to Operate -- A unilateral climate and supply market model. .
Sommario/riassunto	This open access book analyzes and seeks to consolidate the use of robust quantitative tools and qualitative methods for the design and assessment of energy and climate policies. In particular, it examines energy and climate policy performance and associated risks, as well as public acceptance and portfolio analysis in climate policy, and presents methods for evaluating the costs and benefits of flexible policy implementation as well as new framings for business and market actors. In turn, it discusses the development of alternative policy pathways and the identification of optimal switching points, drawing on concrete examples to do so. Lastly, it discusses climate change mitigation policies' implications for the agricultural, food, building, transportation, service and manufacturing sectors.