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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Introduction -- Summary; Sven Ove Hansson and Gertrude Hirsch Hadorn -- The argumentative turn; Sven Ove Hansson and Gertrude Hirsch Hadorn -- Part I. Argumentative strategies -- Choosing among the uncertainties; Sven Ove Hansson -- Accounting for possibilities; Gregor Betz -- Framing; Till Grüne-Yanoff -- Timing strategies; Gertrude Hirsch Hadorn -- Setting and revising goals; Karin Edvardsson Björnberg -- Value uncertainty; Niklas Möller -- Ethical orientations for policy decisions; Rafaela Hillerbrand, Pieter van Gelder, and Genserik Reniers -- Participation as a means to better argumentation; Jeroen van den Hoven, Alessandra Palmigiano, and Francis M Brazier -- Argumentative roads to agreement; Georg Brun and Gregor Betz -- Part II Argumentation in practice -- Climate geoengineering; Kevin Elliott -- Water governance; Neelke Doorn -- Synthetic biology; Armin Grunwald -- Nuclear waste; Kristin Shrader-Frechette -- Financial markets;

Michael Schefczyk.

Sommario/riassunto

This book describes argumentative tools and strategies that can be used to guide policy decisions under conditions of great uncertainty. Contributing authors explore methods from philosophical analysis and in particular argumentation analysis, showing how it can be used to systematize discussions about policy issues involving great uncertainty. The first part of the work explores how to deal in a systematic way with decision-making when there may be plural perspectives on the decision problem, along with unknown consequences of what we do. Readers will see how argumentation tools can be used for prioritizing among uncertain dangers, for determining how decisions should be framed, for choosing a suitable time frame for a decision, and for systematically choosing among different decision options. Case studies are presented in the second part of the book, showing argumentation in practice in the areas of climate geoengineering, water governance, synthetic biology, nuclear waste, and financial markets. In one example, argumentation analysis is applied to proposals to solve the climate problem with various technological manipulations of the natural climate system, such as massive dispersion of reflective aerosols into the stratosphere. Even after a thorough investigation of such a proposal, doubt remains as to whether all the potential risks have been identified. In such discussions, conventional risk analysis does not have much to contribute since it presupposes that the risks have been identified, whereas the argumentative approach to uncertainty management can be used to systematize discussions.
