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Nota di contenuto	Comparative Risk Assessment; Table of Contents; Foreword; Acknowledgements; Summary; 1 Introduction; 2 Concepts and Definitions; 2.1 Risk; 2.2 Danger/Potential for Damage-Hazard; 2.3 Incertitude and Uncertainty; 2.4 Risk Assessment; 2.5 Risk Evaluation; 2.6 Risk Comparison; 2.7 Risk Management; 2.8 Risk Regulation; 2.9 Risk Communication; 3 CRA in Practice; 3.1 Political Environment of CRA; 3.1.1 CRA in the USA; 3.1.2 CRA in Europe; 3.1.3 CRA in Germany; 3.2 Project Case Studies; 3.2.1 US EPA Unfinished Business Project; 3.2.2 Comparative Risk Framework Methodology and Case Study (US EPA) 3.2.3 Global Burden of Disease (GBD) Study 3.2.4 ExternE Project; 3.2.5 Comprehensive Assessment of Energy Systems Project; 3.2.6 Classification of Carcinogenic Airborne Pollutants for the German TA Air Novella; 3.2.7 Summary; 4 The Empirical Foundations of CRA; 4.1 A Starting Point for Risk Comparisons; 4.2 Risk Comparisons as a Means of Risk Communication; 4.3 Procedural Challenges; 4.3.1 Framework: What is to be Kept in Mind when Determining the System Boundaries for CRA?; 4.3.2 Risk Categories: What Influence Do They Have on

Comparisons?

4.3.3 Attributes: What Influence Do They Have on Comparisons? 4.3.4

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6.5 The Sequence of Events in a CRA 6.6 The Organization of Communication; Appendix 1: Risk Metrics; Appendix 2: Multiattribute Comparative Risk Evaluation (MCRA); Appendix 3: Comparative Evaluation of Unclear Risks; Appendix 4: Comparative Evaluation of the Risks of Hazardous Incidents; References; Abbreviations of Organizations; Index

Sommario/riassunto

Providing a catalogue of suggested solutions for different categories of issues, this book offers a balanced overview and methodological examples for the practical implementation of the CRA. It considers CRA in the USA, Europe and Germany, using case studies to analyze and exemplify the decision-making processes and challenges involved. The authors then go on to look at the practical lessons learned from these case studies, together with an in-depth discussion of the underlying scientific hypotheses. Sound scientific knowledge for everyone who makes decisions, whether government ministers,
