1. Record Nr. UNINA9910712844203321

Titolo	Guidance on the development of modeled emission rates for precursors (MERPs) as a Tier 1 demonstration tool for ozone and PM2.5 under the PSD permitting program
Pubbl/distr/stampa	Research Triangle Park, NC : , : U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Air Quality Assessment Division, Air Quality Modeling Group, , April 2019
Descrizione fisica	1 online resource (71 pages) : illustrations (chiefly color), maps (chiefly color)
Soggetti	Air quality management - United States Air quality - Mathematical models Air - Pollution - Standards - United States Air - Pollution - Measurement Air - Pollution - Standards Air quality management United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"EPA-454/R-19-003." "April 2019"
Nota di bibliografia	Includes bibliographical references (pages 61-63).

2. Record Nr. UNINA9910975230203321

Titolo	Department of Homeland Security bioterrorism risk assessment : a call for change
Pubbl/distr/stampa	Washington, D. C., : National Academies Press, 2008
ISBN	9786611972998 9780309185745 0309185742 9781281972996 1281972991 9780309120296 0309120292
Descrizione fisica	1 online resource (xiii, 157 pages) : illustrations
Disciplina	353.6
Soggetti	Bioterrorism - Mathematical models Bioterrorism - Risk assessment
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Committee on Methodological Improvements to the Department of Homeland Security's Biological Agent Risk Analysis, Board on Mathematical Science and their Applications Division on Engineering and Physical Sciences, Board on Life Sciences Division on Earth and Life Studies, National Research Council of the National Academies".
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Acknowledgments""; ""Contents""; ""Summary""; ""1 Introduction""; ""2 The Critical Contribution of Risk Analysis to Risk Management and Reduction of Bioterrorism Risk""; ""3 Description and Analysis of the Department of Homeland Security's Biological Threat Risk Assessment of 2006""; ""4 Department of Homeland Security Decision Requirements for Risk Management""; ""5 Risk Assessment for Unknown and Engineered Biothreat Agents""; ""6 Improving Bioterrorism Consequence Assessment"" ""7 Improving the Department of Homeland Security's Biological Threat Risk Assessment and Adding Risk Management"" ""Appendix A: Lexicon""; ""Appendix B: Mathematical Characterization of the Biological Threat Risk Assessment Event Tree and Risk Assessment""; ""Appendix

C: Computational Example Illustrating the Replacement of a Joint Distribution of Arc Probabilities with Marginal Expected Values of Individual Arc Probabilities""; ""Appendix D: Bioterrorism Risk Analysis with Decision Trees""
""Appendix E: Optimizing Department of Homeland Security Defense Investments: Applying Defender-Attacker (-Defender) Optimization to Terror Risk Assessment and Mitigation"" ""Appendix F: Combining Game Theory and Risk Analysis in Counterterrorism: A Smallpox Example""; ""Appendix G: On the Quantification of Uncertainty and Enhancing Probabilistic Risk Analysis""; ""Appendix H: Game Theory and Interdependencies""; ""Appendix I: Review of BTRA Modeling"";
""Appendix J: Reprinted Interim Report""; ""Appendix K: Meeting Agendas""; ""Appendix L: Biographies of Committee Members""
""Appendix M: Acronyms""

Sommario/riassunto

"The mission of Department of Homeland Security Bioterrorism Risk Assessment: A Call for Change, the new book from the National Research Council, is to independently and scientifically review the methodology that led to the 2006 Department of Homeland Security report, Bioterrorism Risk Assessment (BTRA) and provide a foundation for future updates. This book identifies a number of fundamental concerns with the BTRA of 2006, ranging from mathematical and statistical mistakes that have corrupted results, to unnecessarily complicated probability models and models with fidelity far exceeding existing data, to more basic questions about how terrorist behavior should be modeled. Rather than merely criticizing what was done in the BTRA of 2006, this new NRC book consults outside experts and collects a number of proposed alternatives that could improve DHS's ability to assess potential terrorist behavior as a key element of risk-informed decision making, and it explains these alternatives in the specific context of the BTRA and the bioterrorism threat."--Publisher's website