

1. Record Nr.	UNINA9910785653203321
Autore	Aven Terje
Titolo	Quantitative risk assessment : the scientific platform / / Terje Aven [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2011
ISBN	1-107-21651-6 1-139-03612-2 1-283-05456-6 9786613054562 0-511-97412-4 1-139-04158-4 1-139-04235-1 1-139-04498-2 1-139-03844-3 1-139-04081-2
Descrizione fisica	1 online resource (xi, 211 pages) : digital, PDF file(s)
Disciplina	519.2/87
Soggetti	Probabilities Risk assessment - Statistical methods Decision making - Statistical methods
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Machine generated contents note: Preface; 1. Introduction to risk management and risk assessments. Challenges; 2. Concepts and perspectives on risk; 3. Science and scientific requirements; 4. Introduction to case studies; 5. Risk assessment when the objective is accurate risk estimation; 6. Risk assessment when the objective is uncertainty descriptions; 7. Risk management and communication issues; 8. Towards a holistic approach to risk assessments; 9. Conclusions; Appendix A. Introduction to probability theory and statistical analysis; Appendix B. Terminology; References; Index.
Sommario/riassunto	Quantitative risk assessments cannot eliminate risk, nor can they resolve trade-offs. They can, however, guide principled risk

management and reduction - if the quality of assessment is high and decision makers understand how to use it. This book builds a unifying scientific framework for discussing and evaluating the quality of risk assessments and whether they are fit for purpose. Uncertainty is a central topic. In practice, uncertainties about inputs are rarely reflected in assessments, with the result that many safety measures are considered unjustified. Other topics include the meaning of a probability, the use of probability models, the use of Bayesian ideas and techniques, and the use of risk assessment in a practical decision-making context. Written for professionals, as well as graduate students and researchers, the book assumes basic probability, statistics and risk assessment methods. Examples make concepts concrete, and three extended case studies show the scientific framework in action.

2. Record Nr.

Autore

UNINA9910557498603321

Titolo

Tiranti Davide

Pubbl/distr/stampa

Landslide Hazard in a Changing Environment

Frontiers Media SA, 2019

Descrizione fisica

1 online resource (137 p.)

Soggetti

Physical geography and topography

Science: general issues

Lingua di pubblicazione

Inglese

Formato

Materiale a stampa

Livello bibliografico

Monografia

Sommario/riassunto

This eBook is a collection of articles from a Frontiers Research Topic. Frontiers Research Topics are very popular trademarks of the Frontiers Journals Series: they are collections of at least ten articles, all centered on a particular subject. With their unique mix of varied contributions from Original Research to Review Articles, Frontiers Research Topics unify the most influential researchers, the latest key findings and historical advances in a hot research area! Find out more on how to

host your own Frontiers Research Topic or contribute to one as an author by contacting the Frontiers Editorial Office: [frontiersin.org/about/contact](http://frontiersin.org/about/contact)

---