Record Nr. UNINA9910788455303321 Modelling of pollutants in complex environmental systems . Volume I / **Titolo** / edited by Grady Hanrahan Pubbl/distr/stampa St. Albans, Hertfordshire:,: ILM Publications,, 2009 ©2009 **ISBN** 1-906799-23-7 Descrizione fisica 1 online resource (370 p.) Collana Advanced topics in environmental science series Altri autori (Persone) HanrahanGrady Disciplina 363.738015118 Soggetti Pollution - Mathematical models Pollutants - Mathematical models **Environmental monitoring** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and indexes. part I. Aquatic modelling and uncertainty -- part II. Hydrology-based Nota di contenuto modelling and pollutant loading -- part III. Subsurface modelling and pollutant transport in soils -- part IV. Uncertainty in bioaccumulation modelling -- part V. Air quality modelling and sensitivity analysis. Environmental modelling has enjoyed a long tradition, but there is a Sommario/riassunto defined need to continually address both the power and the limitations of such models, as well as their quantitative assessment. This book showcases modern environmental modelling methods, the basic theory behind them and their incorporation into complex environmental investigations. It highlights advanced computing technologies and how they have led to unprecedented and adaptive modelling, simulation and decision-support tools to study complex environmental systems, and how they can be applied to current environmental concer