

1. Record Nr.	UNINA9910466888603321
Autore	Vojinovic Zoran
Titolo	Flood risk : the holistic perspective : from integrated to interactive planning for flood resilience / / Zoran Vojinovic
Pubbl/distr/stampa	London, [England] : , : IWA Publishing, , 2015 ©2015
ISBN	1-78040-533-2
Descrizione fisica	1 online resource (300 p.)
Collana	Urban Hydroinformatics Series
Disciplina	363.34936
Soggetti	Flood damage prevention Flood control Electronic books.
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 index.
Nota di contenuto	<p>""Cover""; ""Copyright""; ""Dedication""; ""Contents""; ""Foreword by Michael B. Abbott""; ""Foreword by Kuniyoshi Takeuchi""; ""Preface""; ""Acknowledgements""; ""Chapter 1: Floods in urban areas""; ""1.1 Setting the Scene""; ""1.2 On Values and Qualities""; ""1.3 Paving the Way Forward: Shifting the Focus""; ""1.4 Differentiating between Different Types of Floods and Their Impacts""; ""1.5 The Need for Adaptation Calls for Holistic Approaches""; ""1.6 Towards a New Economic Paradigm: Economics, Ethics and Wellbeing""; ""Chapter 2: Holistic thinking""; ""2.1 The Rise of Holistic Thinking""</p> <p>""2.2 From the Parts to the Whole""""2.3 Tracing the Roots of Urban Flood Risk from Four Levels of the Whole""; ""2.4 Mathematics of Complexity and Interactions""; ""Chapter 3: Moving beyond traditional practices""; ""3.1 Towards Holistic Planning for Flood Resilience""; ""3.2 Synergy with Ecosystem Services""; ""3.3 Good Governance for Holistic Planning""; ""3.4 The ABC Framework for Implementation of Holistic Approaches""; ""Chapter 4: A. Holistic risk assessment""; ""4.1 The Purpose of the Holistic Flood Risk Assessment""; ""4.2 Data Gathering""; ""4.3 Root Causes""; ""4.4 Diagnostics""</p> <p>""4.4.1 Assessment of hazards""""4.4.2 Assessment of vulnerabilities""; ""4.4.3 Assessment of impacts""; ""4.4.4 Quantitative assessment of risk""; ""4.4.5 Qualitative assessment of risk""; ""4.4.6 Combining</p>

quantitative and qualitative data and methods into holistic frameworks"; ""4.5 Uncertainty in Flood Risk Assessment"; ""4.6 Recognition - Raising Risk Awareness"; ""4.6.1 Methods for raising hazard/risk awareness"; ""Chapter 5: B. Holistic scenario analysis"; ""5.1 The Purpose of the Holistic Scenario Analysis"; ""5.2 Identification of Drivers and Actors""  
""5.2.1 Climate change impacts on rainfall characteristics""""5.2.2 Population growth"; ""5.2.3 Land use change and economic growth"; ""5.2.4 Urban actors"; ""5.3 Assessment and Evaluation of Scenarios"; ""5.3.1 Climate change scenarios"; ""5.3.2 Socio-economic scenarios"; ""5.3.3 Evaluation of scenarios"; ""5.4 Supporting Tools for Holistic Scenario Analysis"; ""5.4.1 Climate modelling"; ""5.4.2 Modelling land-use change"; ""5.4.3 Modelling behaviour of actors"; ""5.5 Development of a Knowledgebase of Measures"; ""5.5.1 Pluvial flood protection""  
""5.5.2 Fluvial flood protection""""5.5.3 Groundwater flood protection"; ""5.5.4 Coastal flood protection"; ""5.5.5 Flash flood protection"; ""5.5.6 Stakeholder capacity building"; ""5.5.7 Land use planning"; ""5.5.8 Flood preparedness"; ""5.5.9 Contingency planning"; ""5.5.10 Financial preparedness"; ""5.5.11 Amenities of flood resilience measures"; ""Chapter 6: C. Holistic decision-making"; ""6.1 The Purpose of the Holistic Decision-Making"; ""6.2 Development of Indicators"; ""6.3 Combining Different Measures for Flood Resilience"; ""6.4 Evaluation and Selection of Measures""  
""6.5 Development of Plans and Implementation of Projects""

---