Record Nr. UNINA9910139501403321 Sediment cascades [[electronic resource]]: an integrated approach // **Titolo** edited by Tim Burt, Robert Allison Pubbl/distr/stampa Chichester, West Sussex;; Hoboken, NJ,: Wiley, 2010 **ISBN** 1-282-68999-1 9786612689994 0-470-68287-6 0-470-68286-8 Descrizione fisica 1 online resource (483 p.) Altri autori (Persone) BurtT. P AllisonR. J (Robert J.) 627/.122 Disciplina Soggetti Sediment transport Sedimentation and deposition Sediments (Geology) 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 Sediment Cascades: An Integrated Approach; Contents; Contributors; Preface: 1 Sediment Cascades in the Environment: An Integrated Approach; 2 Mountains and Montane Channels; 3 Landslides and Rockfalls: 4 Sediment Cascades in Active Landscapes: 5 Pacific Rim Steeplands; 6 Local Buffers to the Sediment Cascade: Debris Cones and Alluvial Fans; 7 Overland Flow and Soil Erosion; 8 Erosional Processes and Sediment Transport in Upland Mires; 9 Gravel-Bed Rivers; 10 The Fine-Sediment Cascade; 11 Streams, Valleys and Floodplains in the Sediment Cascade: 12 Lakes and Reservoirs in the Sediment Cascade 13 Continental-Scale River Basins14 Estuaries; 15 The Continental Shelf and Continental Slope; Index Sediment Cascades: An Integrated Approach provides a comprehensive Sommario/riassunto overview that addresses the transport of sediment through the landscape. Suitable for academic researchers, industry practitioners, research students and advanced level undergraduates, seeking detailed knowledge and an up-to-date review of the recent research literature.

The emphasis is on contemporary sediment system dynamics with

relevance both to landscape management and landform development. Sediment Cascades: An Integrated Approach begins with an explanation of the need for an integrated approach to sed