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Collana	Environmental Earth Sciences, , 2199-9155
Disciplina	551.49
Soggetti	Geoecology Environmental geology Hydrology Geotechnical engineering Geoecology/Natural Processes Hydrology/Water Resources Geotechnical Engineering & Applied Earth Sciences
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Expect the Unexpected! Groundwater Flow in Karstified Carbonate Aquifers -- Hydraulic properties of karst groundwater and its impacts on large structures -- Inferred Conduit Network Geometry from Geological Evidences and Water-head in a Fluvio-karstic system (Val D' Orleans, France) -- Contribution of isotopes of the water molecule to determine recharge altitude of the main springs welling up in the Middle Atlas limestone (Morocco) -- Detection of underground cavities by combining electrical resistivity imaging and ground penetrating radar surveys: a case study from Draa Douamis area (North East of Algeria) -- Using Hybrid Genetic Algorithms in Assembling Master Recession Curves of Karst Springs -- Well hydrograph analysis for the estimation of hydraulic and geometric parameters of karst and connected water systems -- Distributed hydrological modeling and model adaption in high Alpine karst at regional scale (Berchtesgaden Alps, Germany) -- Diagnostic plots applied to well-tests in karst systems -- Application of methods for resource and source

vulnerability mapping in the Orehek karst aquifer, SW Slovenia -- Study of subterranean floods in oceanic subpolar karst of Madre de Dios archipelago (Patagonia, Chile) -- Characterizing the Hydrogeology of Bell Harbour Catchment, a Coastal Karstic Aquifer Influenced by the Tide and Affected by a Saltwater Intrusion -- Contaminant Attenuation in Karst Aquifers: A Paradigm Shift.

Sommario/riassunto

Chapters in this book are contributions from the 9th Conference on limestone hydrogeology, organized in Besançon in September 2011 selected by the scientific committee of H2Karst. The book presents latest results on in the field of groundwater flow and storage within the different subsystems of karst aquifers; insights into the complex interaction between groundwater and surface water in karst areas by a multidisciplinary approach; current knowledge on contamination problems and contaminant transport in karst aquifers as well as an overview of karst hydrogeology in different contexts around the world.
