

1. Record Nr.	UNINA9910881096203321
Titolo	Engineering Geology for a Habitable Earth: IAEG XIV Congress 2023 Proceedings, Chengdu, China : Volume 5: Megacity Development and Preservation of Cultural Heritage Engineering Geology / / edited by Sijing Wang, Runqiu Huang, Rafiq Azzam, Vassilis P. Marinos
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	9789819992034 9789819992027
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (562 pages)
Collana	Environmental Science and Engineering, , 1863-5539
Disciplina	624.151
Soggetti	Geotechnical engineering Rock mechanics Soil mechanics Sustainability Natural disasters Climatology Transportation engineering Traffic engineering Geotechnical Engineering and Applied Earth Sciences Soil and Rock Mechanics Natural Hazards Climate Sciences Transportation Technology and Traffic Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Forward -- Preface -- Climate Change Mitigation and Adaption -- Engineering Geology and Green Development -- Engineering Geology and Environmental Disaster -- Mechanism, Prevention and Assessment of Geological Disasters -- Environmental Engineering Geology and Ecosystem Protection -- Geotechnical Properties of Rock and Soil Mass -- Traffic Engineering Geology and Sichuan-Tibet Railway Construction -- Energy Engineering Geology and Deep Earth Resource Exploitation

-- Urban Engineering Geology and Underground Space Utilization --
Marine Engineering Geology and Coastal Development -- Polar
Engineering Geology and Disasters -- Planetary Engineering Geology
and Disasters -- Artificial Intelligence, Big Data and Engineering
Geology -- New Theory and Technology of Engineering Geology --
Preservation of Cultural Heritage and Engineering Geology -- Education
and Disciplinary Development of Engineering Geology -- Water
reservoirs, Large Dams and associated Ground Stability.

Sommario/riassunto

This book collects the selected papers of the XIV Congress of the International Association for Engineering Geology and the Environment held in Chengdu, Sichuan, China from September 21st - 27th, 2023, with the theme of Engineering Geology for a Habitable Earth. The meeting proceedings analyses the dynamic role of engineering geology in our changing world. The congress is expected to enhance the interdisciplinary research development of international engineering geology and the environment, and contribute to the advancement of major projects, ecological progress, and habitable earth with in-depth discussion in the area of engineering geology and global climate change, geological hazard assessment and prevention, geotechnical properties of rock and soil mass, engineering geology and the environmental issues concerning marine, transportation, urban and ecological environment protection, engineering geology and resilience engineering construction, intelligent engineering geology, and new theories, methods, and techniques in engineering geology.