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### Sommario/riassunto

This book is based on the accepted papers for presentation at the 2nd MedGU Annual Meeting, Marrakesh 2022. With five parts spanning a large spectrum of geological and geophysical topics, this book presents a series of newest research studies that are nowadays relevant to Middle East, Mediterranean region, and Africa. The book includes the latest research studies on seismic hazard and risk assessment, earthquake geodesy, seismotectonics, archeoseismology and active faulting, well logging methods, geodesy and exploration/theoretical geophysics, geological engineering, geotechnical engineering, numerical and analytical methods in mining sciences and geomechanics, and geo-informatics and remote sensing.