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Autore	Shnyukov Evgeny
Titolo	Mud Volcanoes of the Black Sea Region and their Environmental Significance / / by Evgeny Shnyukov, Valentina Yanko-Hombach
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Descrizione fisica	1 online resource (XIX, 494 p. 470 illus., 215 illus. in color.)
Disciplina	333.7
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Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Geological-geographical overview of the Black Sea region -- Chapter 2. History and methods of mud volcano investigation -- Chapter 3. Modern conceptions of mud volcano development and activities -- Chapter 4. Geologic structures related to mud volcanoes: compensated or compressed geosynclinals -- Chapter 5. Regional overview of mud volcanoes -- Chapter 6. Other manifestations of Black Sea degassing (e.g., gas seeps and bogs of CH <sub>4</sub> , H <sub>2</sub> S, CO <sub>2</sub> , etc.) -- Chapter 7. Mineral resources formed by mud volcanoes -- Chapter 8. Influence of mud volcanoes on the environment, industrial constructions, fishing, and navigation.
Sommario/riassunto	This exceptionally well-illustrated book at a high scientific level describes mud volcanism as a complex, multidimensional phenomenon requiring multidisciplinary study. Mud volcanoes can be used as "cheap windows" to search for gas-hydrates and other mineral resources in the Black Sea region. Nothing similar has been published before, and as

one of its unique features the book includes a vast amount of new data unavailable so far to the western reader. The book includes new data on driving forces, mechanisms, origin, geological and geomorphological features of mud volcanoes as well as new data on composition of solid, gaseous, and liquid components of erupted material. It covers a wide geographic region, and its subjects range from geological to environmental to industrial applications.

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