1. Record Nr. UNINA9910789648403321

Autore	Christian David <1946->
Titolo	Maps of time : an introduction to big history / / David Christian
Pubbl/distr/stampa	Berkeley : , : University of California Press, , [2011] ©2011
ISBN	1-283-27973-8 9786613279736 0-520-95067-4
Descrizione fisica	1 online resource (xxvii, 642 pages) : illustrations
Collana	California World History Library ; ; 2
Disciplina	901
Soggetti	Civilization - Philosophy Human evolution World history
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	Front matter -- Contents -- Illustrations -- Tables -- Foreword -- Acknowledgments -- Preface to the 2011 Edition -- Introduction: A Modern Creation Myth? -- Part I. The Inanimate Universe -- Part II. Life on Earth -- Part III. Early Human History: Many Worlds -- Part IV. The Holocene: Few Worlds -- Part V. The Modern Era: One World -- Part VI. Perspectives on the Future -- Appendix 1. Dating Techniques, Chronologies, and Timelines -- Appendix 2 . Chaos and Order -- Notes -- Bibliography -- Index
Sommario/riassunto	An introduction to a new way of looking at history, from a perspective that stretches from the beginning of time to the present day, Maps of Time is world history on an unprecedented scale. Beginning with the Big Bang, David Christian views the interaction of the natural world with the more recent arrivals in flora and fauna, including human beings. Cosmology, geology, archeology, and population and environmental studies-all figure in David Christian's account, which is an ambitious overview of the emerging field of "Big History." Maps of Time opens with the origins of the universe, the stars and the galaxies, the sun and the solar system, including the earth, and conducts readers through the evolution of the planet before human habitation. It surveys the

		development of human society from the Paleolithic era through the transition to agriculture, the emergence of cities and states, and the birth of the modern, industrial period right up to intimations of possible futures. Sweeping in scope, finely focused in its minute detail, this riveting account of the known world, from the inception of space-time to the prospects of global warming, lays the groundwork for world history-and Big History-true as never before to its name.

2.	Record Nr.	UNINA9910253961503321
	Autore	Galvin J.M
	Titolo	Ground Engineering - Principles and Practices for Underground Coal Mining / / by J.M. Galvin
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
	ISBN	3-319-25005-1
	Edizione	[1st ed. 2016.]
	Descrizione fisica	1 online resource (XXIII, 684 p. 421 illus., 136 illus. in color.)
	Disciplina	622.28
	Soggetti	Engineering geology Engineering—Geology Foundations Hydraulics Mines and mineral resources Fossil fuels Geotechnical engineering Geoengineering, Foundations, Hydraulics Mineral Resources Fossil Fuels (incl. Carbon Capture) Geotechnical Engineering & Applied Earth Sciences
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Includes index.
	Nota di contenuto	1. Scope of ground engineering -- 2. Fundamental principles for ground engineering -- 3. Excavation mechanics -- 4. Pillar systems -- 5. Interaction between workings -- 6. Support and reinforcement --

Systems -- 7. Ground support design -- 8. Pillar extraction -- 9. Longwall mining -- 10. Overburden subsidence -- 11. Operational hazards -- 12. Managing risk in ground engineering -- Glossary of terms and symbols -- Appendices.

Sommario/riassunto

This book teaches readers ground engineering principles and related mining and risk management practices associated with underground coal mining. It establishes the basic elements of risk management and the fundamental principles of ground behaviour and then applies these to the essential building blocks of any underground coal mining system, comprising excavations, pillars, and interactions between workings. Readers will also learn about types of ground support and reinforcement systems and their operating mechanisms. These elements provide the platform whereby the principles can be applied to mining practice and risk management, directed primarily to bord and pillar mining, pillar extraction, longwall mining, sub-surface and surface subsidence, and operational hazards. The text concludes by presenting the framework of risk-based ground control management systems for achieving safe workplaces and efficient mining operations. In addition, a comprehensive reference list provides additional sources of information on the subject. Throughout, a large variety of examples show good and bad mining situations in order to demonstrate the application, or absence, of the established principles in practice. Written by an expert in underground coal mining and risk management, this book will help students and practitioners gain a deep understanding of the basic principles behind designing and conducting mining operations that are safe, efficient, and economically viable. Provides a comprehensive coverage of ground engineering principles within a risk management framework Features a large variety of examples that show good and poor mining situations in order to demonstrate the application of the established principles in practice Ideal for students and practitioners About the author Emeritus Professor Jim Galvin has a relatively unique combination of industrial, research and academic experience in the mining industry that spans specialist research and applied knowledge in ground engineering, mine management and risk management. His career encompasses directing ground engineering research groups in South Africa and Australia; practical mining experience, including active participation in the mines rescue service and responsibility for the design, operation, and management of large underground coal mines and for the consequences of loss of ground control as a mine manager; appointments as Professor and Head of the School of Mining Engineering at the University of New South Wales; and safety advisor to a number of Boards of Directors of organisations associated with mining.