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Titolo	Surviving 1,000 centuries : can we do it? // Roger-Maurice Bonnet and Lodewijk Woltjer
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Descrizione fisica	1 online resource (xviii, 422 pages) : illustrations (some color), color maps
Collana	Springer-Praxis books in popular science
Altri autori (Persone)	WoltjerLodewijk <1930->
Disciplina	303.49 550.112
Soggetti	Civilization - Forecasting Forecasting End of the world (Astronomy) Human ecology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	A Brief History of the Earth -- Cosmic Menaces -- Terrestrial Hazards -- The Changing Climate -- Climate Futures -- The Future of Survivability: Energy and Inorganic Resources -- The Future of Survivability: Water and Organic Resources -- Leaving Earth: From Dreams to Reality? -- Managing the Planet's Future: The Crucial Role of Space -- Managing the Planet's Future: Setting-Up the Structures -- Conclusion.
Sommario/riassunto	The circumstances that will shape the long-term future of our planet will be constrained by what is physically possible and what is not. This full color book provides a quantitative view of our civilization over the next 100,000 years, in comparison to the 40-60,000 years it took for modern humans to emerge from Africa, on the basis of contemporary scientific and technological knowledge. The evolution of the Earth's atmosphere and the origin of water are highlighted as the most

important factors for the emergence and the development of life. The authors consider both cosmic and natural hazards, pointing out that scientific information provided by satellites and communication systems on the ground could prevent many unnecessary casualties by forward planning and the installation of elementary precautions. The Earth's evolving climate is considered, showing how greenhouse gases have played an important role in the past climate, whereas human industrial and agricultural emissions will greatly impact our future.
