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| Nota di contenuto | Global Warming and Water: Basic Science to Clinical and Environmental Science -- Factor 5: Towards a Sustainable Society with Minimum Resource Consumption -- Energy and the Use of Nuclear Power -- Politics of Dynamic Earth: Fear of Global Warming -- Sustainable Society after Great East Japan Earthquake. |
| Sommario/riassunto | This book is an outcome of the symposium "Towards Earth Friendly Use of Resources and Energy," organized by the Nagoya University Center of Excellence Program "From Earth System Science to Basic and Clinical Environmental Studies" and presents papers by four eminent researchers. 1) Syukuro Manabe, who was honored in 2008 by the Earth Hall of Fame Kyoto, together with Ms. Maathai and Ms. Brundtland, |

describes the mechanisms of extreme weather, drought, and flood that were caused by climate change due to CO₂ emissions. 2) Ernst Ulrich von Weizsäcker, co-chair of the Club of Rome, describes “Factor 4 and 5” concepts such as technological progress and redesigning socioeconomic systems, e.g. taxation, and stresses the importance of humanity. 3) Hans-Peter Dürr, ex-president of the Max Planck Physics Institute as a successor of Heisenberg, explains the mechanism of a living Earth sustained by accumulated energy resources provided by the sun. He clarifies a point on preserving the dynamic stability of minerals and life on Earth. 4) Shohei Yonemoto, a well-known political scientist focusing on sustainability, explains environmental politics and why the IPCC and UNFCCC framework were established based on precaution principles. He puts forward a new concept called futurology, which considers population and food problems from a Malthusian standpoint and incorporates them into issues such as climate change and natural disasters. This book is written and based on a very simple but concrete idea and provides the readers with a chance to consider the shape of future Earth.
