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Nota di contenuto	Cover; Title Page; Copyright; Contents; Preface to Second Edition; Preface to First Edition; Part I What is Geodiversity?; Chapter 1 Defining Geodiversity; 1.1 A diverse world; 1.2 Biodiversity; 1.3 Geodiversity; 1.4 Aims and structure of the book; Chapter 2 Geodiversity: the Global Scale; 2.1 Origin the Earth; 2.2 Early history of the Earth; 2.3 Plate tectonics; 2.4 Landscapes of plate interiors; 2.5 Evolution of biodiversity and geodiversity; 2.6 Conclusions; Chapter 3 Geodiversity: the Local Scale; 3.1 Earth materials; 3.2 Processes and landforms; 3.3 Conclusions Part II Values and ThreatsChapter 4 Valuing Geodiversity in an 'Ecosystem Services' Context; 4.1 Introduction; 4.2 Intrinsic or existence value; 4.3 Regulating services; 4.4 Supporting services; 4.5 Provisioning services; 4.6 Cultural services; 4.7 Knowledge services; 4.8 Geodiversity and the 'ecosystem services' approach; 4.9 Conclusions; Chapter 5 Threats to Geodiversity; 5.1 The Nature of the threats; 5.2 Mineral extraction; 5.3 Landfill and quarry restoration; 5.4 Land development and urban expansion; 5.5 Coastal management and engineering; 5.6 River management, hydrology and engineering

5.7 Forestry, vegetation growth and removal5.8 Agriculture; 5.9 Other land management changes; 5.10 Recreation/tourism pressures; 5.11 Removal of geological specimens; 5.12 Climate and sea-level change; 5.13 Fire; 5.14 Military activity; 5.15 Lack of information/education; 5.16 Cumulative impacts and sensitivity to change; 5.17 Conclusions; Part III Geoconservation: the 'Protected Area' Approach; Chapter 6 International Geoconservation: an Introduction; 6.1 Beginnings of the conservation movement in North America; 6.2 Early British experience 6.3 The 'Protected Area' and legislative approaches6.4 The UN; 6.5 The IUCN; 6.6 Geosites; 6.7 Geomorphosites; 6.8 GSSPs; 6.9 PaleoParks; 6.10 The European dimension; 6.11 Other International agreements; 6.12 Conclusions; Chapter 7 World Heritage Sites; 7.1 The World Heritage Convention; 7.2 Nomination and inscription of sites; 7.3 Criteria for selection; 7.4 Endangered sites; 7.5 Towards a 'representative, balanced and credible' list; 7.6 Validity of inscription criteria; 7.7 Case studies; 7.8 Conclusions; Chapter 8 Global Geoparks; 8.1 History; 8.2 Principles 8.3 The European Geopark Network (EGN)8.4 Other 'geoparks'; 8.5 Geoparks and geodiversity; 8.6 Other geopark case studies; 8.7 Conclusions; Chapter 9 National Geoconservation; 9.1 Introduction; 9.2 United States; 9.3 Canada; 9.4 United Kingdom; 9.5 Republic of Ireland; 9.6 The rest of Europe; 9.7 Australia; 9.8 New Zealand; 9.9 The rest of the world; 9.10 Conclusions on protected area geoconservation; Part IV Geoconservation: the 'Wider Landscape' Approach; Chapter 10 Geoconservation in the 'Wider Landscape'; 10.1 The need for a 'wider landscape' approach; 10.2 The physical landscape layer 10.3 Geoconservation initiatives in 'the wider landscape'

Sommario/riassunto

The first book to focus exclusively on the subject, Geodiversity, Second Edition describes the interrelationships between geodiversity and biodiversity, the value of geodiversity to society, as well as current threats to its existence. Illustrated with global case studies throughout, the book examines traditional approaches to protecting geodiversity and the new management agenda now being implemented. The Second Edition of this successful textbook continues to build on the success of the first edition which is still the standard reference for the subject.

Fully revised and upd
